

May 7–11, 2011

Pennsylvania Convention Center  
Philadelphia, PA, USA

# AATS 91<sup>ST</sup>

## ANNUAL MEETING

CONGRESS OF THE  
DECLARATION  
THE REPRESENTATIVES OF THE  
ED STATES OF AMERICA  
CENTRAL CONGRESS ASSEMBLY

### Program Guide



AMERICAN ASSOCIATION  
FOR THORACIC SURGERY

[www.aats.org](http://www.aats.org)





## AMERICAN ASSOCIATION FOR THORACIC SURGERY

### 91<sup>ST</sup> ANNUAL MEETING

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## Irving L. Kron, MD Welcomes You to Philadelphia



Welcome to the 91<sup>st</sup> AATS Annual Meeting! We are very pleased with the robust educational program developed by our Program and Planning Committees which provides a variety of learning opportunities for each participant. The AATS remains steadfastly committed to education and scholarship and I believe our committees have carefully crafted new content to meet the needs of a broader scope of participants.

This weekend, AATS will unveil its Physician Assistant, Nurse Practitioner and Perfusionist program, chaired by Michael Argenziano, MD. Another highlight of the weekend activities will be a half-day session presented by our colleagues from the Royal College of Surgeons of Edinburgh entitled, "High Performance Teams in the Operating Room: Using the NOTSS Program ("Non-Technical Skills for Surgeons") to Improve Communication, Understanding and Performance". This unique session will focus on the underlying human factors and non-technical skills which enable or hinder surgical performance.

I am honored that Dr. Susan B. Shurin, Acting Director at the National Heart, Lung and Blood Institute at NIH, accepted my invitation to serve as the Basic Science Lecturer during Monday morning's session. Dr. Michael J. Mack of Dallas, the current President of the STS, will present the Honored Speaker Lecture during Tuesday morning's session.

Two late-breaking presentations have been added to the Plenary Session. On Monday morning there will be an update on the PARTNER Clinical Trial while the final presentation on Monday afternoon will address SYNTAX Outcomes.

We once again will have programming and demonstrations of Cardiac and General Thoracic Operating Rooms of the Future and will unveil an ICU of the Future in the Exhibit Hall from Sunday through Tuesday. The latter will include the latest technological advances in monitoring, connectivity, "smart room" applications, remote display imaging, advanced information technology, communications and point of care laboratory testing used in CT critical care.

Wednesday morning begins with a session on "Sex and Gender: The Impact on Disease and Patient Outcomes in Cardiothoracic Surgery" chaired by Dr. Yolonda Colson followed by a lively debate on TAVI featuring Drs. D. Craig Miller and Craig R. Smith. I am also excited to hold a second debate on Wednesday morning entitled "For the Care of the Cardiothoracic Surgery Patient, the Canadian System is Superior to the U.S." Dr. Carlos Mestres will moderate while Drs. Tirone E. David and G. Alec Patterson engage in a spirited debate.

On behalf of the AATS Council and leadership I once again welcome you to Philadelphia and look forward to your active participation in the discussion we believe this program will engender. I hope to see you Tuesday night at the Special Reception at the National Constitution Center to enjoy live music, the Statue Gallery and interpretive displays at America's most interactive museum.



## GENERAL MEETING INFORMATION

### AATS—PROMOTING SCHOLARSHIP IN THORACIC AND CARDIOVASCULAR SURGERY

Founded in 1917, the American Association for Thoracic Surgery (AATS) is an international organization consisting of over 1,200 of the world's foremost cardiothoracic surgeons representing 35 countries. Surgeons must have a proven record of distinction within the cardiothoracic surgical field and have made meritorious contributions to the extant knowledge base about cardiothoracic disease and its surgical treatment to be considered for membership. The Annual Meeting, research grants and awards, educational symposia and courses, and the AATS official journal, *The Journal of Thoracic and Cardiovascular Surgery*, all strengthen its commitment to science, education and research.

### Continuing Medical Education (CME) Accreditation

The American Association for Thoracic Surgery is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The American Association for Thoracic Surgery designates this educational activity for a maximum of 36.25 **AMA PRA Category 1 Credits™**. Physicians should only claim credit commensurate with the extent of their participation in the activity.

### American Academy for Nurse Practitioners (AANP) Accreditation

This program is approved for 16.25 contact hours of continuing education by the American Academy of Nurse Practitioners. **Program ID 1103113.**

This program was planned in accordance with AANP CE Standards and Policies and AANP Support Standards.

### American Academy of Physician Assistants (AAPA) Accreditation

This program has been reviewed and is approved for a maximum of 16.25 hours of AAPA Category I CME credit by the Physician Assistant Review Panel. Physician assistants should claim only those hours actually spent participating in the CME activity.

This program was planned in accordance with AAPA's CME Standards for Live Programs and for Commercial Support of Live Programs.





### **American Board of Cardiovascular Perfusion (ABCP) Accreditation**

The American Board of Cardiovascular Perfusion designates this educational activity for a maximum of 39.9 Category 1 CEUs.

The American Association for Thoracic Surgery designates the following credit hours:

#### **Saturday, May 7, 2011 – up to 7.75 hours (CME, AANP, AAPA, ABCP)**

- ☐ Physician Assistant/Nurse Practitioner/Perfusionist Program, up to 7 hours
- ☐ Adult Cardiac Skills, up to 3.75 hours
- ☐ Congenital Skills, up to 3.5 hours
- ☐ General Thoracic Skills, up to 3.5 hours
- ☐ Developing the Academic Surgeon, up to 4 hours
- ☐ High Performance Teams in the Operating Room: Using the NOTSS Program ("Non-Technical Skills for Surgeons") to Improve Communication, Understanding and Performance, up to 3 hours

#### **Sunday, May 8, 2011 – up to 8.5 hours (CME, AANP, AAPA, ABCP)**

- ☐ Adult Cardiac Surgery, up to 8.5 hours
- ☐ Cardiothoracic Critical Care, up to 8 hours
- ☐ Congenital Heart Disease, up to 8 hours
- ☐ General Thoracic Surgery, up to 8 hours
- ☐ C. Walton Lillehei Resident Forum, up to 2 hours

#### **Monday, May 9, 2011 – up to 7.5 hours (CME, ABCP)**

- ☐ Plenary Scientific Session, Basic Science Lecture, Presidential Address, up to 3.75 hours
- ☐ Adult Cardiac Surgery Simultaneous Session, up to 2.5 hours
- ☐ Congenital Heart Disease Simultaneous Session, up to 2.5 hours
- ☐ General Thoracic Surgery Simultaneous Session, up to 2.5 hours
- ☐ Coronary Artery Disease in 2011 and Beyond: What The Surgeon Needs To Know About Three Year Syntax Outcomes, Other Randomized Controlled Trials in CAD and the New CABG Guidelines, up to 1.25 hours



**Tuesday, May 10, 2011 – up to 7.5 hours (CME, ABCP)**

- ☐ Adult Cardiac Surgery Forum, up to 1.75 hours
- ☐ General Thoracic Surgery Forum, up to 1.75 hours
- ☐ Plenary Scientific Session, Honored Speaker Lecture, up to 3.5 hours
- ☐ Adult Cardiac Surgery Simultaneous Session, up to 2.25 hours
- ☐ Aortic/Endovascular Simultaneous Session, up to 2.25 hours
- ☐ Congenital Heart Disease Simultaneous Session, up to 2.25 hours
- ☐ General Thoracic Surgery Simultaneous Session, up to 2.25 hours

**Wednesday, May 11, 2011 – up to 5 hours (CME, ABCP)**

- ☐ Emerging Technologies and Techniques Forum, up to 2 hours
- ☐ Sex and Gender: The Impact on Disease and Patient Outcomes in Cardiothoracic Surgery, up to 1.5 hours
- ☐ Controversies in Cardiothoracic Surgery, up to 1.5 hours

For further information on the Accreditation Council for Continuing Medical Education (ACCME) standards of commercial support, **please visit [www.accme.org](http://www.accme.org)**.





### **CME/CE Kiosks/Letter of Attendance**

Attendees may obtain CME (Continuing Medical Education) and CE credits and Letter of Attendance at the CME/CE Pavilion located on the 200 Level of the Convention Center adjacent to Registration. The CME/CE Pavilion computers will allow attendees to manage their CME/CE credits and Letter of Attendance for the Annual Meeting and/or email their information to their personal email address. At the end of the Annual Meeting, attendees may print their CME/CE certificate and/or Letter of Attendance. Following the Annual Meeting, attendees may access their CME/CE information and/or Letter of Attendance at <http://ceu.experient-inc.com/aat111>.

### **Statement of Need**

Cancer and cardiovascular disease are the leading causes of mortality and morbidity around the globe. Major advances in these conditions continue to be made at a rapid pace. Improvements in diagnostic techniques as well as interventional approaches to treatment, both surgical and percutaneous, challenge the clinical practitioner to remain current. Increasingly sophisticated technology to accomplish these aims is being developed and introduced into clinical practice. Exciting advances in basic and clinical science offer opportunities for participation in scientific studies and clinical trials. All of these elements create a significant educational need for the practicing cardiothoracic surgeon. The AATS Annual Meeting fills this need through a combination of lectures, original scientific presentations and discussion forums.

### **Educational Objectives**

At the conclusion of the AATS Annual Meeting, through comprehensive lectures and discussions, participants will be able to:

- ☐ Assess the latest techniques and current research specifically related to Adult Cardiac Surgery, General Thoracic Surgery and Congenital Heart Disease.
- ☐ Analyze the pros and cons of each paper presented to gain an overall perspective of their current practices.
- ☐ Select appropriate surgical procedures and other interventions for their own patients based upon results presented.
- ☐ Integrate state-of-the art knowledge into their current practice.
- ☐ Identify the basic science developments and emerging technologies and techniques across the spectrum of cardiothoracic surgery.

## Target Audience

The AATS Annual Meeting is specifically designed to meet the educational needs of:

- ☐ Cardiothoracic Surgeons
- ☐ Physicians in related specialties including Cardiothoracic Anesthesia, Critical Care, Cardiology, Pulmonology, Radiology, Gastroenterology, Thoracic Oncology and Vascular Surgery
- ☐ Fellows and Residents in Cardiothoracic and General Surgical training programs
- ☐ Allied Health Professionals involved in the care of cardiothoracic surgical patients including Nurses, Physician Assistants, Surgical Assistants and Perfusionists
- ☐ Medical students with an interest in cardiothoracic surgery

## Disclosure Policy

It is the policy of the American Association for Thoracic Surgery that any individual who is involved in planning, presenting or is an author on a program designated for *AMA Physician's Recognition Award Category 1 Credit™* must disclose any financial interest or other relationship (grant, research support, consultant, etc.) that individual has with any manufacturer(s) of any commercial product(s) that may be discussed in the individual's presentation. This information is disclosed to the audience prior to an activity. The AATS has procedures in place if a conflict of interest should arise. In addition, faculty members are asked to disclose when any discussion of unapproved use of pharmaceutical or medical device occurs.

**For further information on the Accreditation Council for Continuing Medical Education (ACCME) Standards of Commercial Support, please visit [www.accme.org](http://www.accme.org).**

## Acknowledgements

**We would like to thank the following companies for their support of this educational activity through educational grants:**

Medtronic  
St. Jude Medical, Inc.

**We would like to thank the following companies for their exhibit support:**

A & E Medical Corporation  
Abbott Vascular  
ABIOMED, Inc.  
Accuray Incorporated  
Acute Innovations  
Aesculap Inc.  
American College of Surgeons  
Applied Fiberoptics/Vitalcor

AtriCure, Inc.  
Atrium Medical Corporation  
Baxter Healthcare  
Berlin Heart  
BFW, Inc.  
Biomet Microfixation  
Boss Instruments, Ltd.  
Cadence Pharmaceuticals





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|--|---|
| California Medical Laboratories              | LifeLike BioTissue, Inc.                    |
| Cardiogenesis Corp.                          | LifeNet                                     |
| CardioNet                                    | Lippincott Williams & Wilkins               |
| Cardiovascular Research Foundation           | LSI Solutions                               |
| CareFusion                                   | MAQUET Cardiovascular                       |
| Caris Life Sciences                          | Masimo Corporation                          |
| CAS Medical Systems, Inc.                    | Med-USA Medical Inc.                        |
| Castlewood Surgical                          | Medela, Inc.                                |
| Ceremed                                      | Medi-Stim                                   |
| Chase Medical Inc.                           | Medical Concepts Europe                     |
| Clear Catheter Systems                       | Medtronic Inc.                              |
| Cook Medical                                 | National Institute of Health, Office of     |
| Cormatrix Cardiovascular, Inc.               | History                                     |
| Covidien                                     | Neomend, Inc.                               |
| CryoLife, Inc.                               | Nonin Medical, Inc.                         |
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| Designs For Vision, Inc.                     | Oscor Medical Corp.                         |
| Doctors Research Group, Inc.                 | Pemco Inc.                                  |
| EACTS  | PeriOptix, Inc.                             |
| Edwards Lifesciences                         | Peters Surgical/Med Alliance Solutions, LLC |
| Elsevier                                     | Philips Healthcare                          |
| Essential Pharmaceuticals                    | Pioneer Surgical Technology                 |
| Ethicon Endo-Surgery                         | Plasma Surgical, Inc.                       |
| Fehling Surgical Instruments, Inc.           | Precision Therapeutics                      |
| GE Healthcare                                | Qualiteam s.r.l.                            |
| Genesee BioMedical, Inc.                     | Quest Medical Inc.                          |
| GerMedUSA                                    | RMD Instruments Corp.                       |
| Heart Hugger/Gen'l Cardiac Technology        | Rose Micro Solutions                        |
| Heart Valve Interactive Corp                 | Rultract/Pemco Inc.                         |
| HeartWare, Inc                               | Rumex International                         |
| HRA Hospital Research Associates             | Scanlan International, Inc.                 |
| I-Flow Corporation                           | SIC Brevetti SRL                            |
| ImaCor, Inc.                                 | Siemens Medical Solutions USA, Inc.         |
| Implantable Devices                          | Society for Heart Valve Disease             |
| Integra Lifesciences                         | Society of Thoracic Surgeons                |
| International Society for Minimally Invasive | Sontec Instruments Inc.                     |
| Cardiothoracic Surgery                       | Sorin Group                                 |
| Intuitive Surgical, Inc.                     | St. Jude Medical, Inc.                      |
| Kapp Surgical Instrument Inc.                | STS DC Office                               |
| Kardium                                      | superDimension, Inc.                        |
| Karl Storz Endoscopy-America, Inc.           | Surgical Acuity, Inc.                       |
| KLS Martin, LP                               | Surgitel/General Scientific Corp            |

SynCardia Systems, Inc.  
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Teleflex Medical  
Terumo Cardiovascular Systems  
Thoracic Surgery Foundation for  
Research and Education  
Thoramet Surgical Products  
Thoratec Corporation

Transonic Systems, Inc.  
USB Medical, Ltd.  
ValveXchange, Inc.  
Vision-Sciences, Inc.  
Vitalitec  
Wexler Surgical Supplies  
Wiley Blackwell

**We would like to thank the following companies for their marketing support:**

Abiomed, Inc.  
Baxter Healthcare  
Belmont Instrument  
Cardiopulmonary Corp.  
CareFusion  
Clear Catheter Systems  
Covidien  
Draeger Medical, Inc.  
Edwards Lifesciences  
Epocal, Inc.  
Ethicon-Endo Surgery, Inc.  
GE Healthcare  
Hutchinson Technology, Inc.  
ImaCor  
iMDsoft  
Instrumentation Laboratory Company  
InTouch Health  
Karl Storz Endoscopy-America, Inc.  
Lippincott Williams & Wilkins

Maquet Cardiovascular  
Medi-Stim  
Medtronic, Inc.  
METI® Learning  
mVisum  
Nonin Medical, Inc.  
Olympus Medical Systems  
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Sorin Group  
St. Jude Medical, Inc.  
Stryker Medical  
Transonic Systems, Inc.  
Vascutek, Ltd.  
Vocera

**We would like to thank the following companies for their support of:**

**Cardiac Hybrid OR of the Future®**

Philips Healthcare  
Karl Storz Endoscopy-America, Inc.  
Maquet  
Nonin Medical, Inc.  
Siemens  
Sorin Group  
Transonic Systems

**General Thoracic Hybrid OR of the Future®**

Belmont Instruments  
Covidien  
Draeger Medical Inc.  
Olympus America, Inc.  
Scanlan International  
Siemens Healthcare  
Steris Corporation





### ICU of the Future®

Abiomed  
Cardiopulmonary Corp.  
Carefusion  
Clear Catheter Systems  
Epocal, Inc.  
GE Healthcare  
Hutchinson Technology  
ImaCor, Inc.

iMDsoft  
Instrumentation Laboratory  
InTouch Health  
METI® Learning  
mVisum  
Pronia Medical Systems  
Radiometer America, Inc.  
Stryker, Medical Inc.  
Vocera Communications

### Camera, Recording, Cell Phone and No-Smoking Policies

Due to privacy issues, it is the policy of AATS that no cameras are permitted in the meeting sessions or exhibit hall. Please refrain from taking photos in these locations. Audio and videotaping is also prohibited.

For the courtesy of all faculty and participants, please ensure that cell phone ringers are silenced during all sessions. Smoking is not permitted in the Convention Center, Hotels or Special Event Venues.

### Coat and Luggage Check

A complimentary coat and luggage check will be located in the Grand Hall of the Convention Center.

Service will be provided during the following dates and times:

|                   |                        |
|-------------------|------------------------|
| Saturday, May 7   | 6:30 a.m. – 5:00 p.m.  |
| Sunday, May 8     | 6:30 a.m. – 7:00 p.m.  |
| Monday, May 9     | 6:30 a.m. – 6:15 p.m.  |
| Tuesday, May 10   | 6:30 a.m. – 5:00 p.m.  |
| Wednesday, May 11 | 6:30 a.m. – 12:30 p.m. |

### Course Information

Pre-registration for all of the Saturday Courses and Sunday Symposia is required. Due to the large volume of registrants for these courses, we STRONGLY suggest registering Friday or Saturday to avoid delays.

Badges will be scanned at all Saturday and Sunday ticketed events in place of tickets. Please remember to have your badge ready at the door.



### Saturday Courses

The **Adult Cardiac Skills Course** will take place on Saturday, May 7, 2011 in Ballroom AB of the PACC from 8:00 a.m. – 12:00 noon. Pre-registration is required.

The **Congenital Skills Course** will take place on Saturday, May 7, 2011 in 201 ABC of the PACC from 8:00 a.m. – 12:00 noon. Pre-registration is required.

The **General Thoracic Skills Course** will take place on Saturday, May 7, 2011 in 204 ABC of the PACC from 8:00 a.m. – 12:00 noon. Pre-registration is required.

The **Developing the Academic Surgeon Symposium** will take place on Saturday, May 7, 2011 in 204 ABC of the PACC from 1:00 p.m. – 5:10 p.m. Pre-registration is required.

**The High Performance Teams in the Operating Room: Using the NOTSS Program (“Non-Technical Skills for Surgeons”) to Improve Communication, Understanding and Performance** will take place on Saturday, May 7, 2011 in 201 ABC of the PACC from 1:00 p.m. – 4:00 p.m. Pre-registration is required.

The **Physician Assistant/Nurse Practitioner/Perfusionist Program** will take place on Saturday, May 7, 2011 in 108 AB of the PACC from 8:00 a.m. – 5:00 p.m. Pre-registration is required.

### Sunday AATS/STS Postgraduate Symposia

The **Adult Cardiac Surgery Symposium** will take place on Sunday, May 8, 2011 in Ballroom AB of the PACC from 7:55 a.m. – 5:00 p.m. A boxed lunch will be offered in the room. Pre-registration is required.

The **Cardiothoracic Critical Care Symposium** will take place on Sunday, May 8, 2011 in 108 AB of the PACC from 8:00 a.m. – 5:00 p.m. A boxed lunch will be offered in the room. Pre-registration is required.

The **Congenital Heart Disease Symposium** will take place on Sunday, May 8, 2011 in 201 ABC of the PACC from 7:55 a.m. – 5:00 p.m. A boxed lunch will be offered in the room. Pre-registration is required.

The **General Thoracic Surgery Symposium** will take place on Sunday, May 8, 2011 in 204 ABC of the PACC from 8:00 a.m. – 5:00 p.m. A boxed lunch will be offered in the room. Pre-registration is required.





### **Cardiothoracic Residents' Luncheon – Ticketed Event**

The 34<sup>th</sup> Annual Cardiothoracic Residents' Luncheon will begin at 12:15 p.m. on Monday, May 9, 2011 in 103 ABC of the PACC. Physicians in cardiothoracic residency programs and medical students interested in attending this luncheon as guests of the AATS must be pre-registered for the luncheon. You will receive a ticket with your registration materials.

There is limited seating.

### **Ethics Forum Luncheon: Use of Transcatheter Aortic Valve Implantation Should Be Rationed – Ticketed Event**

*Chair:* Robert M. Sade, MD, Medical University of South Carolina

The Ethics Forum Luncheon will begin at 12:15 p.m. on Monday, May 9, 2011 in 105 AB of the PACC. This debate is on the ethical issue of health care rationing. TAVI is often used in elderly patients with multiple co-morbidities who are not candidates for open valve replacement. Many of these patients have limited social support, leading to very extended hospital stays because of insufficient rehabilitation facilities. This disproportionately large utilization of hospital resources may compromise scheduling of elective cardiothoracic surgery cases. Should patients who are eligible for TAVI but are elderly with multiple co-morbidities be denied this procedure? Pre-registration is required.

There is limited seating.

### **Exhibits**

The Exhibit Hall will be in Hall A on the 200 Level of the PACC. The Exhibit hall will be open during the following hours:

|                 |                       |   |
|-----------------|-----------------------|---|
| Sunday, May 8   | 5:00 p.m. – 7:00 p.m. | (Welcome Reception)   |
| Monday, May 9   | 9:00 a.m. – 4:30 p.m. | (Breaks – 9:20 a.m. – 10:00 a.m.,<br>3:20 p.m. – 3:55 p.m.,<br>Lunch – 12:15 p.m. – 2:00 p.m.)  |
| Tuesday, May 10 | 9:00 a.m. – 4:00 p.m. | (Breaks – 10:05 a.m. – 10:40 p.m.,<br>3:00 p.m. – 3:45 p.m.,<br>Lunch – 12:30 p.m. – 2:00 p.m.) |

### **Operating Rooms of The Future: Hybrid Technologies®**

Interactive Exhibits

Sunday, May 8 – Tuesday, May 10 in Exhibit Hall A

### **Educational Program: Building the Hybrid Operating Rooms of the Future®**

Monday, May 9 1:00 p.m. – 5:30 p.m. in 108 AB



## **ICU of the Future: Interactive Exhibit**

Sunday, May 8 – Tuesday, May 10 in Exhibit Hall A

The AATS will feature Cardiac and General Thoracic OR displays and a related didactic session. An ICU of the Future will be showcased providing a first hand glimpse into what the future holds for CT surgical critical care.

## **Welcome Reception and Lunches**

A Welcome Reception will be held on Sunday, May 8, 2011 from 5:00 p.m. – 7:00 p.m. in Exhibit Hall A of the PACC. All registered members, non-members, allied health personnel, spouses and guests are invited to attend. Please note that children will be allowed in the Exhibit Hall during the reception only and must be accompanied by an adult. Children under 16 years of age will not be allowed in the Exhibit Hall at any other time. Lunch will be available for purchase in the Exhibit Hall on Monday, May 9 and Tuesday, May 10. Professional registrants will be provided with a coupon (\$10 value) found with their name badge to offset the cost of lunch. Complimentary morning and afternoon coffee breaks will also be held in Exhibit Hall A.

## **Hospitality Suite**

The Hospitality Suite, located in Room 310 on the 300 Level of the Philadelphia Downtown Marriott, will be open during the following dates and times:

|                   |                        |
|-------------------|------------------------|
| Sunday, May 8     | 8:00 a.m. – 4:00 p.m.  |
| Monday, May 9     | 8:00 a.m. – 4:00 p.m.  |
| Tuesday, May 10   | 8:00 a.m. – 4:00 p.m.  |
| Wednesday, May 11 | 8:00 a.m. – 12:00 p.m. |

Staff will be on hand throughout the meeting to greet you, answer your questions and be of assistance to you and your family. Special optional tours have been arranged for Saturday, Sunday, Monday and Tuesday.

## **Registration**

Registration will be located on the 200 Level Bridge of the PACC. Registration will take place during the following hours:

|                   |                        |
|-------------------|------------------------|
| Friday, May 6     | 1:00 p.m. – 5:00 p.m.  |
| Saturday, May 7   | 6:30 a.m. – 5:00 p.m.  |
| Sunday, May 8     | 6:30 a.m. – 6:00 p.m.  |
| Monday, May 9     | 6:30 a.m. – 5:00 p.m.  |
| Tuesday, May 10   | 6:30 a.m. – 5:00 p.m.  |
| Wednesday, May 11 | 6:30 a.m. – 12:00 p.m. |





- a.) Badges must be worn at all times and will be required for admission to the Sessions and Exhibit Hall.
- b.) To avoid lines in the registration area, we strongly suggest that attendees register on Friday, May 6 and Saturday, May 7.
- c.) House Officers, Fellows, Residents and Medical Students will be admitted without payment of the non-member registration fee if they pre-registered. If not pre-registered, registration fees will be assessed. Proof of Fellowship is required.

### Special Accessibility Needs

If you require special accommodations to fully participate in the meeting, please visit the Registration Area at the Pennsylvania Convention Center and an AATS staff member will be happy to assist you.

### Speaker Ready Room

The Speaker Ready Room is located in 202AB of the PACC. It is critical that ALL speakers visit the Speaker Ready Room at least 2 hours before presenting to ensure their presentation has been properly loaded and any embedded video or media files work with the audiovisual system. ***Please note: presentations will NOT be loaded in the meeting rooms. Personal laptops will NOT be used in the session rooms.***

The Speaker Ready Room will be open during the following dates and times:

|                   |                        |
|-------------------|------------------------|
| Friday, May 6     | 1:00 p.m. – 6:00 p.m.  |
| Saturday, May 7   | 6:30 a.m. – 6:00 p.m.  |
| Sunday, May 8     | 6:30 a.m. – 6:00 p.m.  |
| Monday, May 9     | 6:30 a.m. – 6:00 p.m.  |
| Tuesday, May 10   | 6:00 a.m. – 6:00 p.m.  |
| Wednesday, May 11 | 6:00 a.m. – 12:00 p.m. |

## PRESENTATION AND DISCUSSION GUIDELINES

### Speaker and Discussant Guidelines

**Discussion of Papers:** Members, non-member physicians and invited speakers have the privilege of discussing papers. Discussants are limited to 2 minutes and must limit their discussion to specific questions directly related to the author's presentation. All discussion will be presented from floor microphones and may not be accompanied by slides.

| Program   | Presentation                                  | Discussion  |
|---|---|-------------|
| Plenary Sessions                                | 8 minutes                                     | 12 minutes* |
| Simultaneous Sessions                           | 8 minutes                                     | 12 minutes* |
| Adult Cardiac & General Thoracic Forum Sessions | 5 minutes                                     | 5 minutes*  |
| Emerging Technologies & Techniques Forum        | 6 minutes                                     | 5 minutes*  |
| Lillehei Resident Forum                         | 7 minutes                                     | 8 minutes*  |
| Controversies in Cardiothoracic Surgery Debates | 8 minutes each x 2 Rebuttals (7 minutes each) | 15 minutes  |

\*All discussants are limited to 2 minutes

1. Submission and acceptance of an abstract constitutes a commitment by the Author(s) to present the material at the AATS Annual Meeting. The work must not have been submitted, presented or published in abstract or manuscript form elsewhere prior to the AATS 91st Annual Meeting in May 2011. Failure to meet this requirement without prior approval of the Association will jeopardize a presenter's further acceptance of abstracts for presentation and/or publication. The AATS Council seriously regards and adheres to the submission/presentation policy and will strictly enforce sanctions upon all authors who fail to meet the policies outlined in the rules for submission and presentation of abstracts once submitted. Any questions should be addressed to the Secretary of the Association, Thoralf M. Sundt, III, MD.
2. Papers presented at the meeting in the Plenary and Simultaneous Sessions shall become the property of the Association. They shall be submitted electronically to the *JTCVS* Editor prior to presentation (<http://www.editorialmanager.com/jtcvs>) and NO LATER than MAY 9, 2011 at 5:00 p.m. EST. To expedite review and publication the Editor requests that submission occur **one month** prior to the Annual Meeting.





3. The AATS strongly encourages Cardiac Surgery Forum, General Thoracic Surgery Forum, Emerging Technologies and Techniques Forum and Lillehei Forum presenters to submit their manuscript to the *JTCVS* Editor although the requirement for manuscript submission to the *JTCVS* does not apply to these sessions. If you do not plan to submit, please notify the *JTCVS* Editor at [JTCVS@aats.org](mailto:JTCVS@aats.org). Should you submit, papers must be submitted electronically to the *JTCVS* Editor prior to presentation (<http://www.editorialmanager.com/jtcvs/>) and NO LATER than MAY 9, 2011 at 5:00 p.m. EST. To expedite review and publication the Editor requests that submission occur **one month** prior to the meeting.

## SPECIAL EVENTS

### Sunday, May 8, 2011

|  |                       |
|--|-----------------------|
| 14 <sup>th</sup> Annual C. Walton Lillehei Resident Forum Session<br><i>105 AB</i> | 3:00 p.m. – 5:00 p.m. |
| Welcome Reception<br><i>Exhibit Hall A</i>   | 5:00 p.m. – 7:00 p.m. |

### Monday, May 9, 2011

|   |                        |
|---|------------------------|
| Business Session<br>(AATS Members Only)<br><i>Ballroom AB</i>   | 7:30 a.m.              |
| Basic Science Lecture<br><i>Ballroom AB</i>   | 10:00 a.m.             |
| Presidential Address<br><i>Ballroom AB</i>  | 11:25 a.m.             |
| Exhibit Hall Lunch<br><i>Exhibit Hall A</i>   | 12:15 p.m. – 2:00 p.m. |
| Cardiothoracic Residents Luncheon<br><i>Pre-registration required</i><br><i>103 ABC</i>   | 12:15 p.m. – 2:00 p.m. |
| Ethics Forum Luncheon: Use of Transcatheter Aortic Valve Implantation Should Be Rationed<br><i>Pre-registration required</i><br><i>105 AB</i> | 12:15 p.m. – 2:00 p.m. |

## Tuesday, May 10, 2011

|  |                        |
|--|------------------------|
| Honored Guest Lecture<br><i>Ballroom AB</i>                                    | 11:40 a.m.             |
| Exhibit Hall Lunch<br><i>Exhibit Hall A</i>                                    | 12:30 p.m. – 2:00 p.m. |
| Academic Leadership Lunch<br><i>By Invitation Only</i><br><i>107 AB</i>        | 12:30 p.m. – 2:00 p.m. |
| International Leadership Lunch<br><i>By Invitation Only</i><br><i>103 AB</i>   | 12:30 p.m. – 2:00 p.m. |
| Executive Session<br><i>(AATS Members Only)</i><br><i>Ballroom AB</i>          | 5:00 p.m.              |
| AATS Special Reception<br><i>National Constitution Center (Ticketed Event)</i> | 7:00 p.m. – 10:00 p.m. |

## Wednesday, May 11, 2011

|  |                         |
|--|-------------------------|
| Sex and Gender: The Impact on Disease and Patient Outcomes in Cardiothoracic Surgery<br><i>Ballroom AB</i>   | 9:00 a.m. – 10:30 a.m.  |
| Controversies in CT Surgery: Striking the Utility/Futility Balance as Transcatheter Valve Implantation (TAVI) Enters the Marketplace<br><i>Ballroom AB</i> | 10:30 a.m. – 11:15 a.m. |
| Controversies in CT Surgery: For the Care of the Cardiothoracic Surgery Patient, the Canadian System Is Superior to the U.S.<br><i>Ballroom AB</i>         | 11:15 a.m. – 12:00 p.m. |

## Transportation

Due to their close proximity to the Center, there will be no AATS-sponsored transportation from the meeting hotels to the PACC.

During the Tuesday evening Special Reception, shuttle buses will run continuously from 6:45 p.m. – 10:00 p.m. between the Philadelphia Downtown Marriott, Loews Philadelphia Hotel, the Philadelphia Downtown Courtyard and the Ritz Carlton Philadelphia to the National Constitution Center.

All tours depart from the West Side of the 12<sup>th</sup> Street entrance (under the tunnel) of the PACC.





### **Business Center**

A FedEx office is located in the lobby of the Philadelphia Marriott Downtown Hotel.

### **Emergencies**

For any emergency call 4911 from an internal phone or (215) 418-4911 from your cell phone. Do NOT call 911 as responding emergency staff will not know your precise location. Please be sure that your emergency contact information is accurate and is listed on the back of your badge.

### **First Aid**

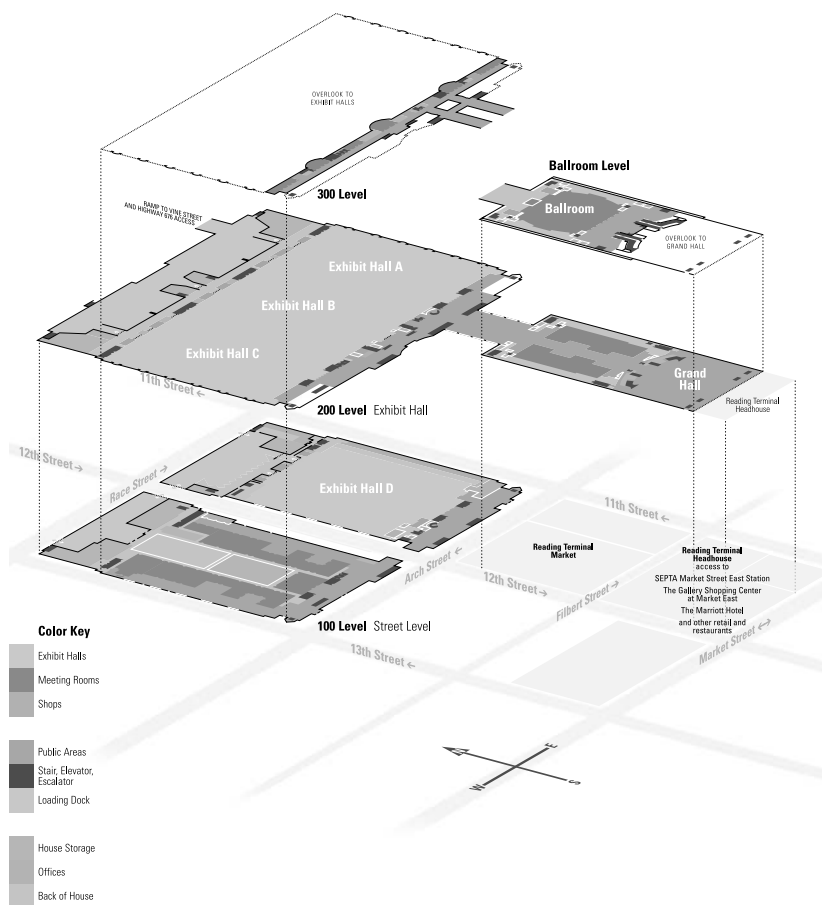
A First Aid Station will be located in 302 of the PACC.

### **Electronic Program Guide**

An interactive, electronic version of the Program Guide will be available for download in the Registration area on the 200 Level Bridge. The interactive program allows you to search program topics, faculty, exhibitors, social functions, Philadelphia information, and more. This mobile application is designed to work on all Web-based devices, including iPhones, iPods, iPads, Androids, Palm, E-readers (must be Web-enabled) and BlackBerry.

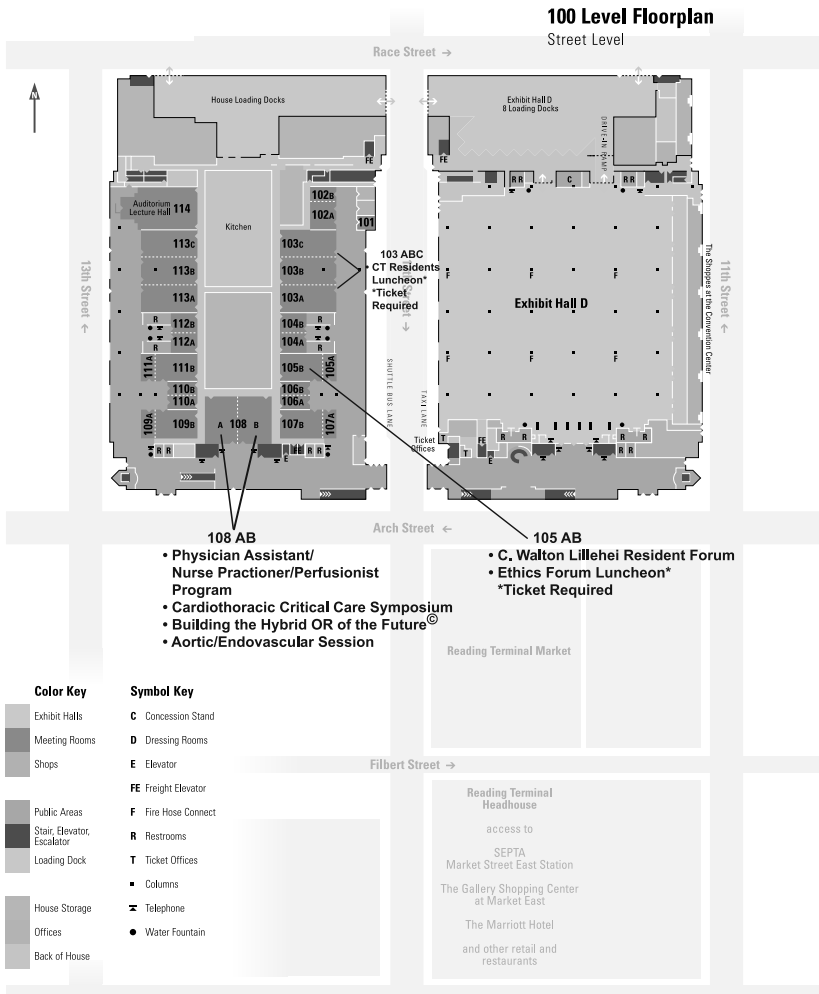
## Pennsylvania Convention Center (PACC)

### Spacial Orientation



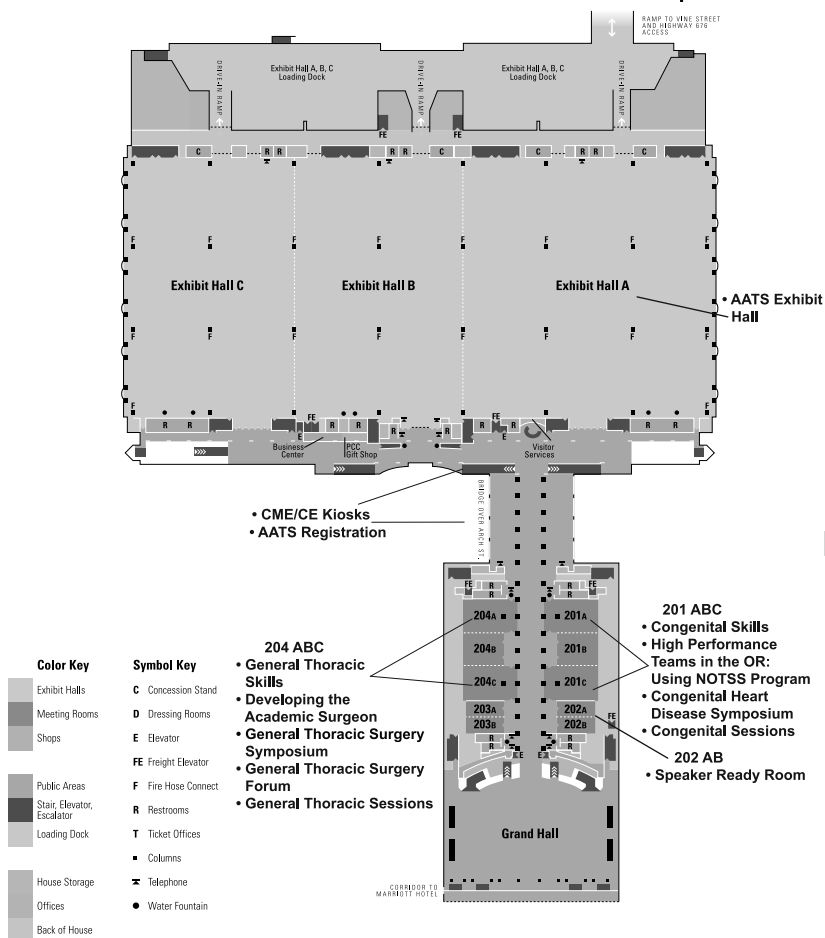


Pennsylvania Convention Center (PACC)



## Pennsylvania Convention Center (PACC)

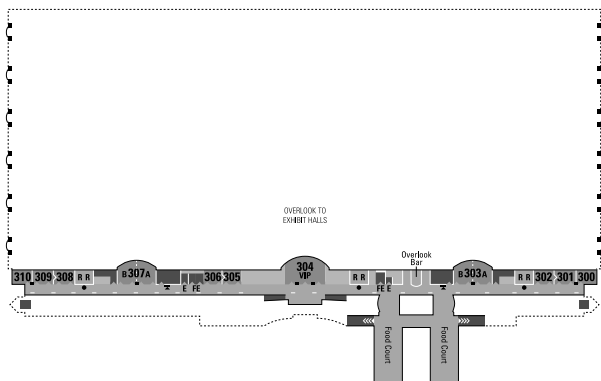
### 200 Level Floorplan





Pennsylvania Convention Center (PACC)

300 Level Floorplan



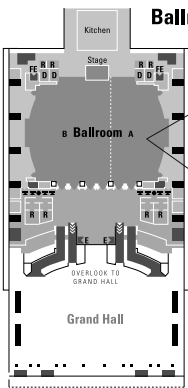
Ballroom Level Floorplan

Color Key

- Exhibit Halls
- Meeting Rooms
- Shops
- Public Areas
- Stair, Elevator, Escalator
- Loading Dock
- House Storage
- Offices
- Back of House

Symbol Key

- C Concession Stand
- D Dressing Rooms
- E Elevator
- FE Freight Elevator
- F Fire Hose Connect
- R Restrooms
- T Ticket Offices
- Columns
- Telephone
- Water Fountain

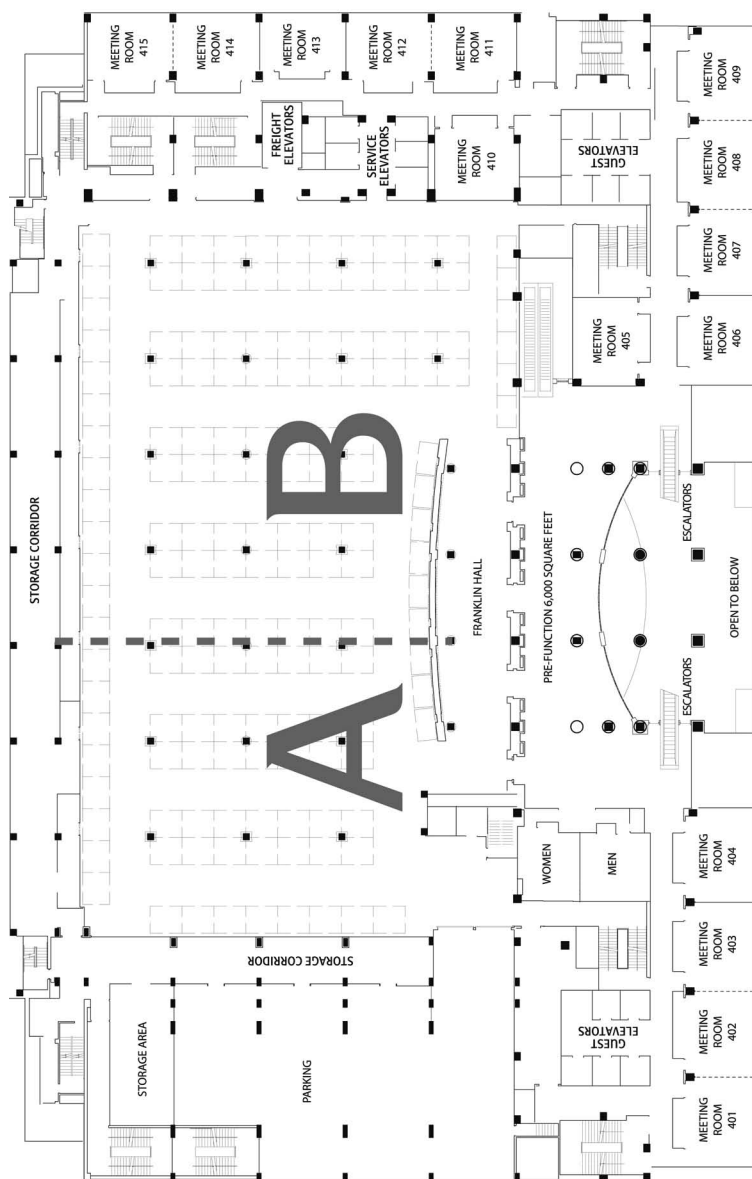


No access from Ballroom Level to Level 300 rooms

Ballroom AB

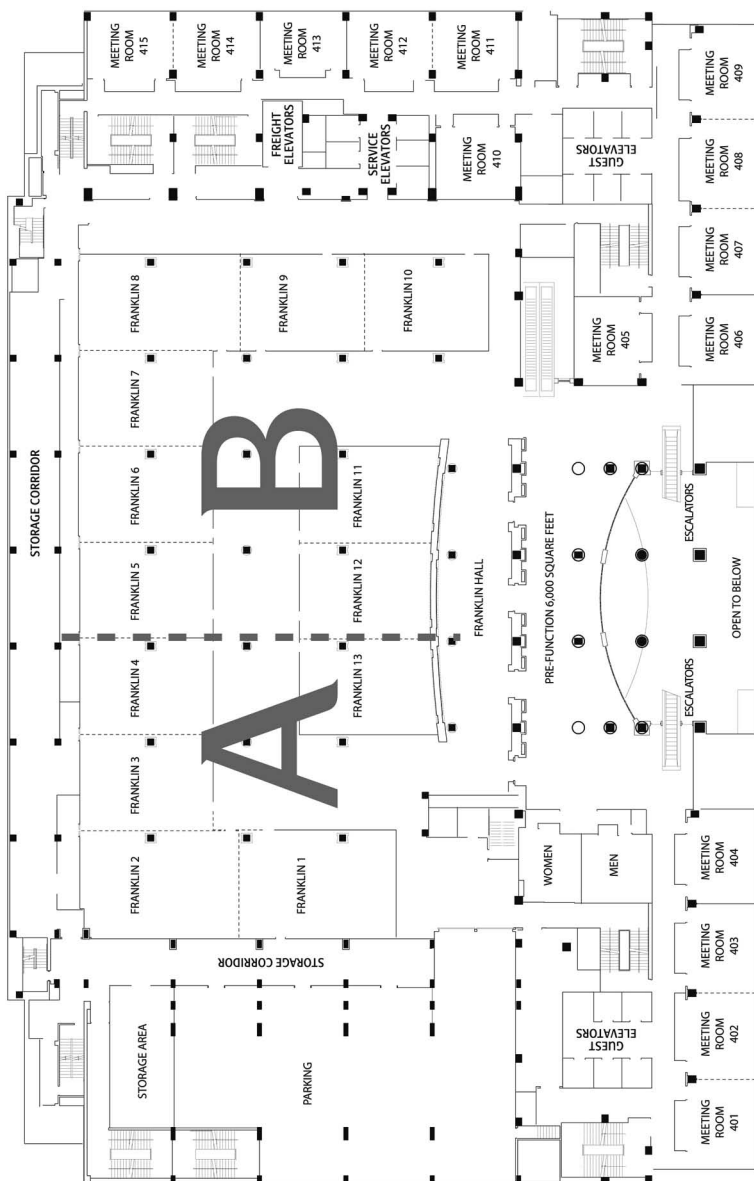
- Adult Cardiac Skills
- Adult Cardiac Surgery Symposium
- Plenary Scientific Session
- Adult Cardiac Sessions
- Coronary Artery Disease in 2011 and Beyond—Syntax Outcomes
- Cardiac Surgery Forum
- Emerging Technologies and Techniques Forum
- Sex and Gender: The Impact on Disease and Patient Outcomes in Cardiothoracic Surgery
- Controversies – Plenary Session

**Philadelphia Downtown Marriott**  
**4<sup>th</sup> Floor – Franklin Hall-Exhibit Space and Meeting Rooms**

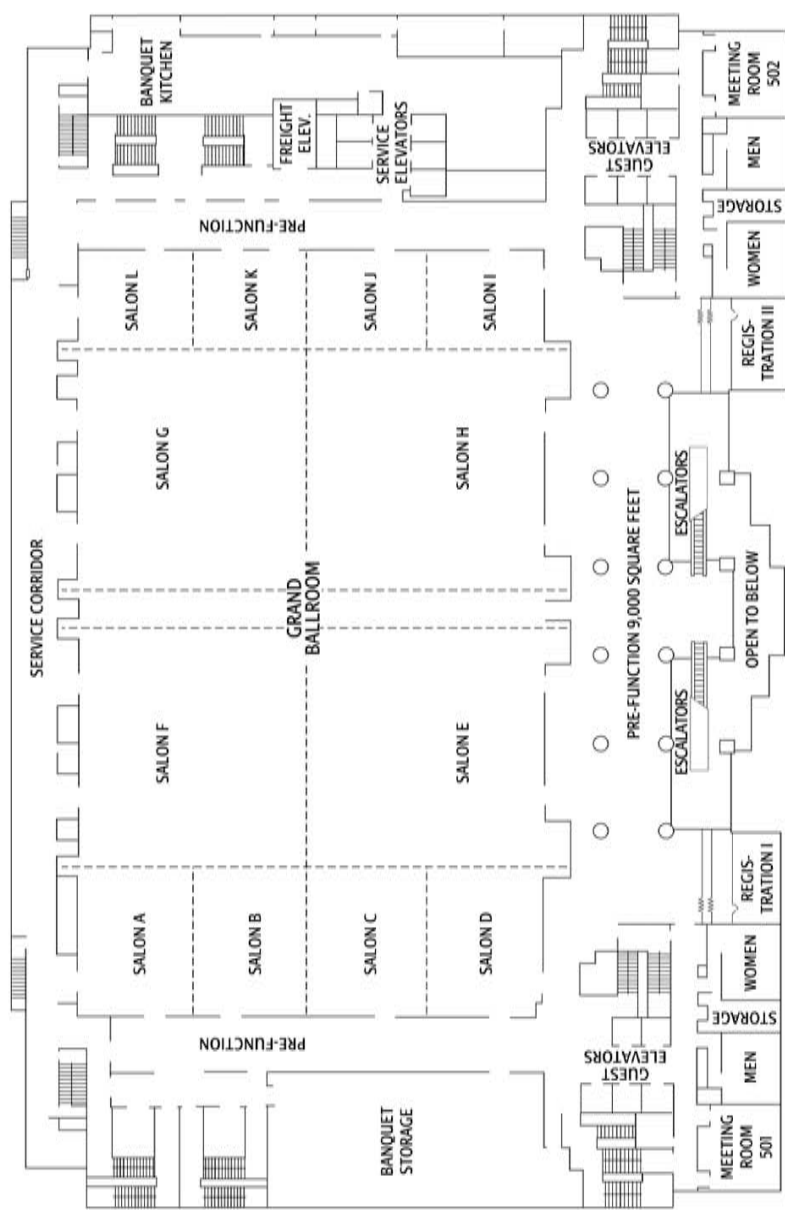




**Philadelphia Downtown Marriott**  
**4<sup>th</sup> Floor – Franklin Hall-Meeting Space**

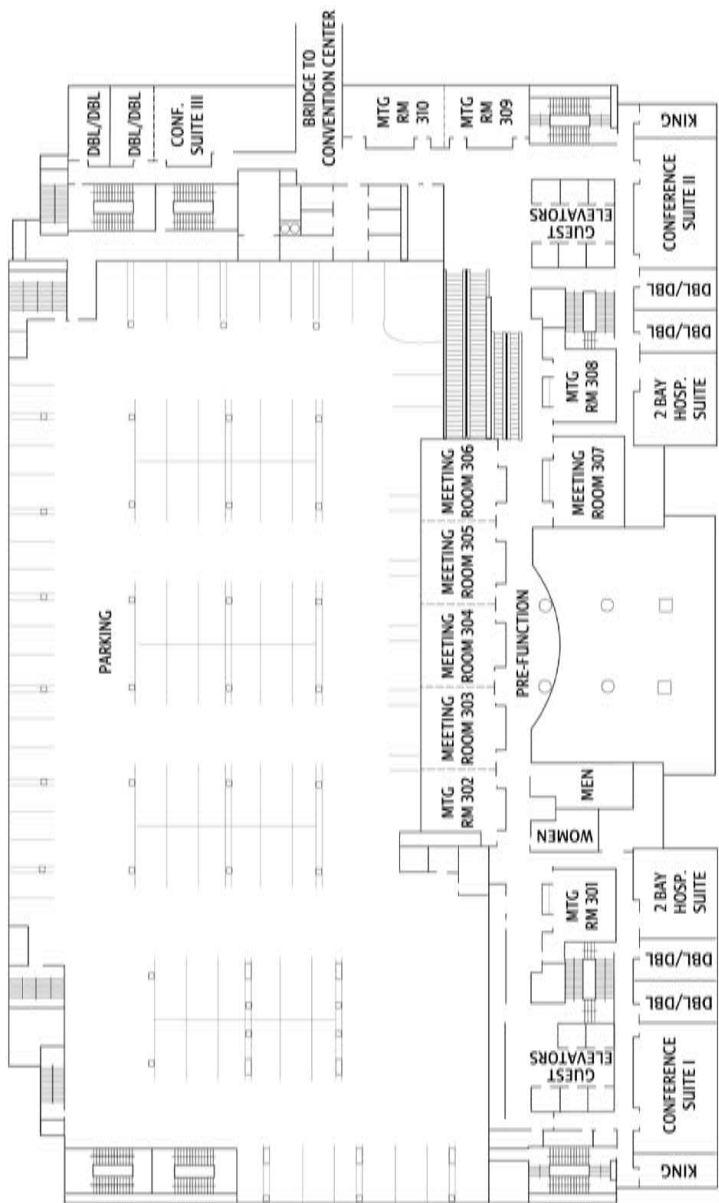


**Philadelphia Downtown Marriott**  
**5<sup>th</sup> Floor – Grand Ballroom**

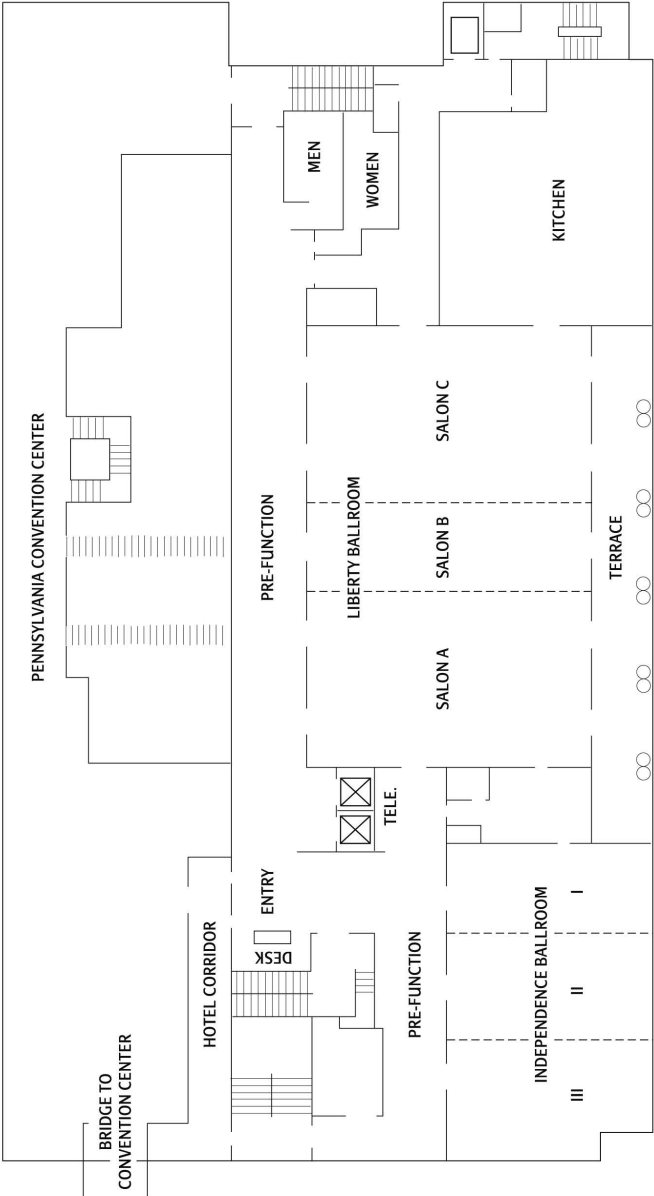




**Philadelphia Downtown Marriott**  
**3<sup>rd</sup> Floor – Meeting Rooms and Conference Suites**



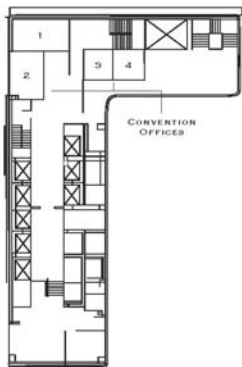
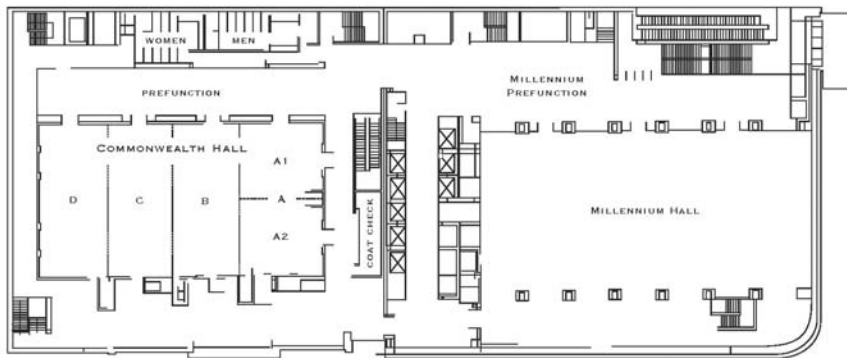
**Philadelphia Downtown Marriott**  
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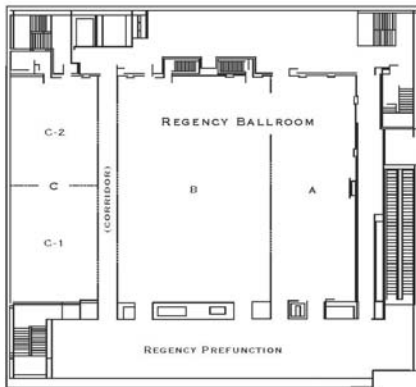


Loews Philadelphia Hotel

SECOND FLOOR

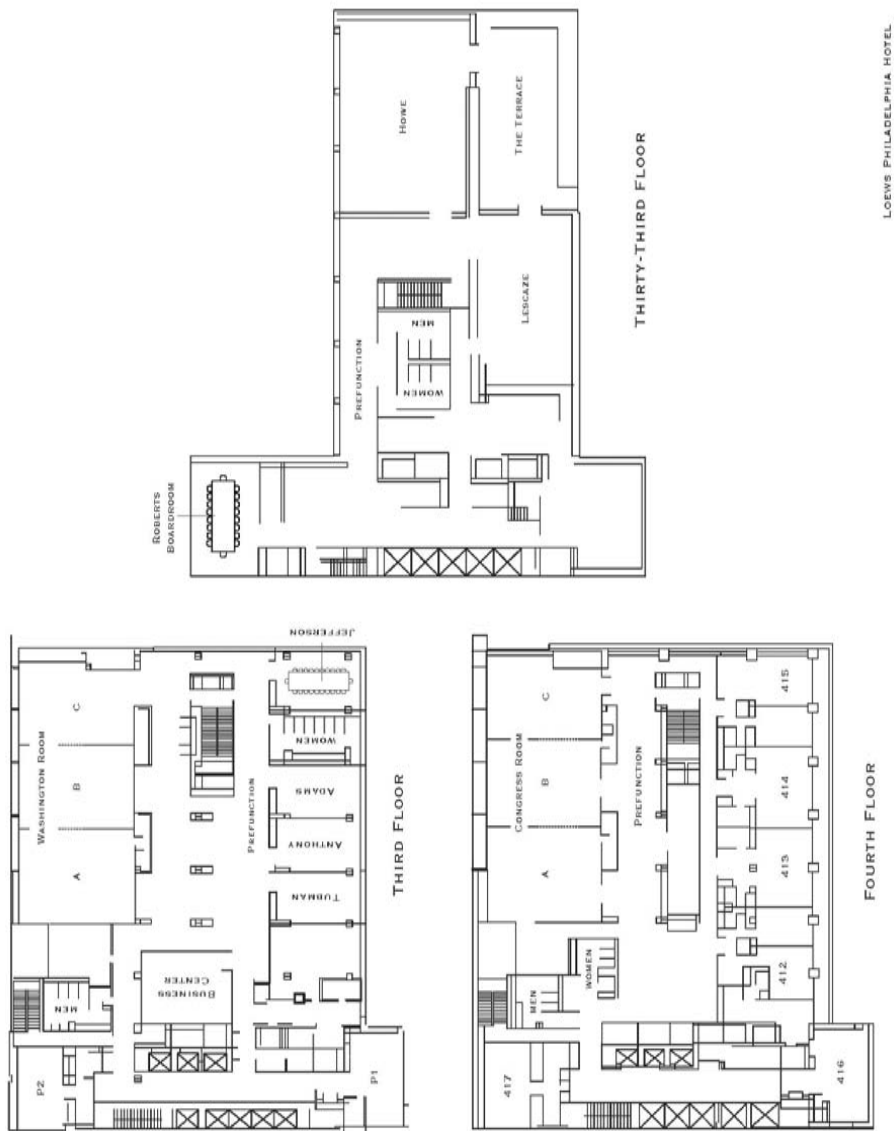


FIRST FLOOR MEZZANINE



SECOND FLOOR MEZZANINE

Loews Philadelphia Hotel





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# SCHEDULE AT A GLANCE



**FRIDAY, May 6, 2011**  
**REGISTRATION OPEN**  
1:00 p.m. – 5:00 p.m.  
**EXHIBITOR**  
**REGISTRATION OPEN**  
9:00 a.m.

Complimentary morning and afternoon coffee breaks will be provided. Lunch will be available for purchase in Exhibit Hall A on Monday and Tuesday. All scientific sessions and exhibits will take place at the Pennsylvania Convention Center.

**KEY LOCATIONS**  
**Pennsylvania Convention Center**  
**CME/CE Kiosk**  
Outside of Exhibit Hall A  
**Coat & Luggage Check**  
Grand Hall  
**First Aid**  
302  
**Speaker Ready Room**  
202 AB  
**Registration**  
200 Level Bridge  
**Internet Kiosk**  
Exhibit Hall A  
**Tour Shuttle Departures**  
West Side of the 12<sup>th</sup> Street Entrance (under the tunnel)

**Philadelphia Marriott**  
**Business Center**  
Lobby  
**Hospitality Suite**  
310

## AATS ANNUAL MEETING

|  |  |  |  |   |  |  |  |   |  |
|--|--|--|--|---|--|--|--|---|--|
| SATURDAY, May 7, 2011<br>PA/NP/PERFUSIONIST PROGRAM,<br>SKILLS COURSES AND SYMPOSIA<br><br>6:30 a.m. – 5:00 p.m. Registration Open |  | SUNDAY, May 8, 2011<br>AATS/STS POSTGRADUATE SYMPOSIA<br>& LILLEHEI FORUM<br>6:30 a.m. – 6:00 p.m. Registration Open<br>5:00 p.m. – 7:00 p.m. Exhibits Open/ Welcome Reception<br>5:00 p.m. – 7:00 p.m. Operating Rooms of the Future:<br>Hybrid Technologies® & CT ICU of the Future® |  | MONDAY, May 9, 2011<br>6:30 a.m. – 5:00 p.m. Registration Open<br>9:00 a.m. – 4:30 p.m. Exhibits Open<br>9:00 a.m. – 4:30 p.m. Operating Rooms of<br>the Future: Hybrid Technologies® & CT ICU<br>of the Future®      |  | TUESDAY, May 10, 2011<br>6:30 a.m. – 5:00 p.m. Registration Open<br>9:00 a.m. – 4:00 p.m. Exhibits Open<br>9:00 a.m. – 4:00 p.m. Operating Rooms of<br>the Future: Hybrid Technologies® & CT ICU<br>of the Future® |  | WEDNESDAY, May 11, 2011<br>6:30 a.m. – 12:00 p.m. Registration<br>Open  |  |
| 7:00 a.m.  |  |  |  |   |  |  |  | 7:00 a.m.   |  |
| 8:00 a.m.  |  |  |  |   |  |  |  | 8:00 a.m.   |  |
| 9:00 a.m.  |  | SYMPOSIA   |  | 7:30 a.m.<br>Business Session (AATS Members Only)   |  | Cardiac<br>Surgery Forum<br>Ballroom AB  |  | General Thoracic<br>Surgery Forum<br>204 ABC  |  |
| 10:00 a.m.   |  | Adult<br>Cardiac<br>Surgery<br>**  |  | PLENARY SCIENTIFIC SESSION<br>Ballroom AB   |  | Ballroom AB  |  | Emerging Technologies and<br>Techniques Forum<br>Ballroom AB  |  |
| 11:00 a.m.   |  | Congenital<br>Heart<br>Disease<br>**   |  | Award Presentations<br>9:20 a.m. – 10:00 a.m. Break–Visit Exhibits<br>Basic Science Lecture:<br>“Public Support of Biomedical Research”<br>Susan B. Shurin, MD<br>National Heart, Lung and Blood Institute at the NIH |  | Break  |  | Sex and Gender: The Impact on<br>Disease and Patient Outcomes<br>in Cardiothoracic Surgery  |  |
| 12:00 p.m.   |  | General<br>Thoracic<br>Surgery<br>**   |  | PLENARY SCIENTIFIC SESSION<br>Ballroom AB   |  | Break  |  | NEW<br>IN<br>2011<br>Controversies in CT Surgery: Striking the<br>Utility/Futility Balance as Transcatheter Valve<br>Implantation (TAVI) Enters the Marketplace |  |
| 1:00 p.m.  |  | Physician<br>Assistant/<br>Nurse<br>Practitioner/<br>Perfusionist<br>Program   |  | Presidential Address: “Surgical Mentoring”<br>Irving L. Kron, MD<br>University of Virginia  |  | Honored Speaker Lecture:<br>“The Only Constant is Change”<br>Michael J. Mack, MD<br>Baylor Health Care System  |  | Controversies in CT Surgery: For the Care<br>of the Cardiothoracic Surgery Patient, the<br>Canadian System is Superior to the U.S.                              |  |
| 2:00 p.m.  |  | Break  |  | 12:15 p.m. – 2:00 p.m.<br>Lunch in Exhibit Hall A<br>Cardiothoracic Residents’ Luncheon***<br>103 ABC<br>Ethics Forum Luncheon***<br>105 AB   |  | 12:05 a.m. Break–Visit Exhibits  |  | Ballroom AB   |  |
| 3:00 p.m.  |  | Break  |  | SIMULTANEOUS SESSIONS   |  | 12:30 p.m. – 2:00 p.m.<br>Lunch in Exhibit Hall A  |  | 12:00 p.m.  |  |
| 4:00 p.m.  |  | Break  |  | Adult<br>Cardiac<br>Surgery<br>Break<br>Visit Exhibits  |  | Educational<br>Program:<br>Building<br>the Hybrid<br>OR of the<br>Future®  |  | 1:00 p.m.   |  |
| 5:00 p.m.  |  | Break  |  | Congenital<br>Heart<br>Disease<br>Break<br>Visit Exhibits   |  | 108 AB   |  | 2:00 p.m.   |  |
| 6:00 p.m.  |  | Break  |  | General<br>Thoracic<br>Surgery<br>Break<br>Visit Exhibits   |  |  |  | 3:00 p.m.   |  |
| 7:00 p.m.  |  | Break  |  | Break   |  |  |  | 4:00 p.m.   |  |
| 8:00 p.m.  |  | Break  |  | Break   |  |  |  | 5:00 p.m.   |  |
| 9:00 p.m.  |  | Break  |  | Break   |  |  |  | 6:00 p.m.   |  |
| 10:00 p.m.   |  | Break  |  | Break   |  |  |  | 7:00 p.m.   |  |
|  |  | Break  |  | Break   |  |  |  | 8:00 p.m.   |  |
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1. St. Jude Medical, Inc. Pre-Market Approval Application Supplement. Regent Heart Valve. Washington, D.C.; U.S. Food and Drug Administration. 2002. P810002/S57.

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| Ihekweazu, Ugonna              | 58          | Kim, Young                   | F12             |
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| Jacobs, Jeffrey <sup>+</sup>   | 19          | Kormos, Robert <sup>+</sup>  | T7              |
| Jacobs, Marshall <sup>+</sup>  | 19          | Korst, Robert <sup>+</sup>   | F14             |
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| Menon, Tiziano                | F10        | Nakagiri, Tomoyuki   | 24    |
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| Merritt, Robert               | F13        | Napel, Sandy         | F13   |
| Mery, Carlos                  | 39         | Narsule, Chaitan     | T9    |
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| Takeuchi, Yukiyasu            | 24      | Weiss, Eric                    | 5, L1      |
| Talbot, C                     | L1      | Welsh, Gavin                   | F7         |
| Tessari, Maddalena            | F10     | Welsh, James                   | 27         |
| Theurer, Patricia             | 31      | West, LaShondra                | F2         |
| Thiagarajan, Ravi             | 3       | Weyant, Michael                | L8         |
| Tingley, Judy                 | 37      | Whitaker, Tammy                | T1         |
| Todd, Anita                   | T1      | Whyte, Richard <sup>+</sup>    | F13        |
| Topilsky, Yan                 | 8       | Wi, Hyun Cho                   | F12        |
| Toth, Tibor                   | F7      | Wiedemann, Dominik             | T2         |
| Toyoda, Yoshiya <sup>+</sup>  | T7      |                                |            |

+AATS Member





|                                   |     |                            |     |
|-----------------------------------|-----|----------------------------|-----|
| Williams, Mathew <sup>+</sup>     | 49  | Yi, Tai                    | F5  |
| Williams, Timothy                 | 37  | Yom, Sue                   | 22  |
| Wilson, Mary Ann                  | L1  | Young, Cindi               | 35  |
| Woo, Edward                       | 43  | Yu, Jessica                | L8  |
|                                   |     | Yuh, David <sup>+</sup>    | T6  |
| <b>X</b>                          |     | <b>Z</b>                   |     |
| <hr/>                             |     | <hr/>                      |     |
| Xiao, Aizhen                      | F17 | Zachar, Vladimir           | F4  |
| Xu, Shu-hua                       | L6  | Zacher, Michael            | 44  |
| Xu, Xiaoyin                       | F20 | Zafar, Farhan              | 54  |
| Xu, Yue                           | F13 | Zapolanski, Alex           | 37  |
| <b>Y</b>                          |     | Zenati, Marco <sup>+</sup> | 38  |
| <hr/>                             |     | Zhan, Xiaochun             | 44  |
| Yagihara, Toshikatsu <sup>+</sup> | 50  | Zhang, ChuiYe              | 12  |
| Yaku, Hitoshi                     | 29  | Zhang, Hargen              | 18  |
| Yamagishi, Masaaki                | 29  | Zhang, Mary                | F18 |
| Yamamoto, Kazuhiro                | 24  | Zhang, Peng                | F11 |
| Yamamoto, Yusuke                  | 29  | Zhang, Yaoguang            | F6  |
| Yang, Maocheng                    | F18 | Zhao, Yunge                | F15 |
| Yang, Zequan                      | L4  | Zhovnir, Volodymyr         | 16  |
| Yarbrough, William                | F8  | Zoole, Jennifer            | 32  |
| Yashima, Masafumi                 | 29  | Zubris, Kimberly Ann       | F20 |
| Yasufuku, Kazuhiro <sup>+</sup>   | 2   | Zurakowski, David          | 51  |
| Yau, Terrence <sup>+</sup>        | F6  |                            |     |
| Yemets, Illya                     | 16  |                            |     |

### ABMS Competencies Key



Medical Knowledge



Interpersonal and Communication Skills



Patient Care



Practice-Based Learning and Improvement



Professionalism



Systems-Based Practice

This activity has been developed in recognition of the American Board of Medical Specialties Six Core Competencies. This activity will increase your competency in the areas of Patient Care, Medical Knowledge, Systems-Based Practice, Practice-Based Learning and Improvement, and Professionalism. The AATS has designated the primary competency each session will address.

## PROGRAM INFORMATION

**SATURDAY, MAY 7, 2011**

**8:00 a.m. – 5:00 p.m.**



***Medical Knowledge***

**PHYSICIAN ASSISTANT/NURSE PRACTITIONER/  
PERFUSIONIST PROGRAM**

*108 AB, Pennsylvania Convention Center*

**Chair:** Michael Argenziano, MD  
Columbia University

This program will provide a state-of-the-art update on many evolving areas in cardiothoracic surgery, including percutaneous and hybrid approaches to coronary and valvular disease, treatment of aortic disease, and management of difficult challenges in the care of general thoracic surgery patients. In addition, presentations will be devoted to advanced perfusion techniques, cerebral and neuroprotection strategies and innovations in blood conservation, advanced respiratory support, and controversies in saphenous vein harvesting. Emphasis will be placed on application of appropriate criteria for considering each of these options for patients. Finally, advanced simulation technology and potential educational and training opportunities will be outlined.



## Course Objectives

At the conclusion of this course, participants will be able to:

- ❑ Apply advanced perfusion cerebral protection techniques and strategies.
- ❑ Integrate innovations in blood conservation, advanced critical care, and saphenous vein harvesting into their practices.
- ❑ Describe the newly available options in percutaneous and minimally invasive valve therapy and apply appropriate criteria for considering each of these options for their patients.
- ❑ Become familiar with advanced simulation technology and potential educational and training opportunities.

8:00 a.m. – 8:05 a.m.

### Welcome and Course Introduction

Michael Argenziano, MD  
Columbia University

## SESSION I – PERCUTANEOUS VS. MINIMALLY INVASIVE AVR

8:05 a.m. – 8:10 a.m.

### Case Presentation

Robin Gibbs, MSN, CRNP  
University of Pennsylvania

8:10 a.m. – 8:35 a.m.

### Argument in Favor of Minimally Invasive Surgical AVR

Prem Sadanand Shekar, MD  
Brigham and Women's Hospital

8:35 a.m. – 9:00 a.m.

### Argument in Favor of Percutaneous AVR

Craig R. Smith, MD  
Columbia University

9:00 a.m. – 9:10 a.m.

### DISCUSSION AND Q&A

## SESSION II – COMPLEX AORTIC SURGERY

9:10 a.m. – 9:15 a.m.

### Case Presentation

Tracy Andrews, DNP, CCRN, ACNP, APRN-BC, CMC, CSC  
Columbia University

9:15 a.m. – 9:40 a.m.

### Technical Approaches to Thoracic Aortic Disease

Allan Stewart, MD  
New York-Presbyterian Hospital

9:40 a.m. – 10:05 a.m.

### Cerebral and Neuroprotection Strategies

John W. Hammon, MD  
Wake Forest School of Medicine

10:05 a.m. – 10:15 a.m.

### DISCUSSION AND Q&A

10:15 a.m. – 10:45 a.m.

### BREAK



### SESSION III – HOT TOPICS IN CARDIOTHORACIC SURGERY

|                         |  |
|-------------------------|--|
|                         | <b>Moderators:</b> Linda Mongero, CCP<br>Columbia University<br>James Beck, CCP<br>Columbia University                           |
| 10:45 a.m. – 11:05 a.m. | <b>Advances in Intraoperative Blood Conservation and Mini-Circuits</b><br>Jeffrey B. Riley, MHPE, CCT, CCP<br>Mayo Clinic        |
| 11:05 a.m. – 11:25 a.m. | <b>Current Thoracic Aortic Stent Grafting Techniques</b><br>Wilson Y. Szeto, MD<br>University of Pennsylvania                    |
| 11:25 a.m. – 11:45 a.m. | <b>What's New in Mechanical Support and Miniature VADs</b><br>Scott C. Silvestry, MD<br>Washington University School of Medicine |
| 11:45 a.m. – 12:05 p.m. | <b>Simulation as an Educational Tool in Cardiothoracic Surgery</b><br>Harold M. Burkhart, MD<br>Mayo Clinic                      |
| 12:05 p.m. – 12:15 p.m. | <b>DISCUSSION AND Q&amp;A</b>  |
| 12:15 p.m. – 1:05 p.m.  | <b>LUNCH BREAK</b>   |

### SESSION IV – TECHNIQUES IN GENERAL THORACIC SURGERY

|                       |   |
|-----------------------|---|
|                       | <b>Moderator:</b> Eric Beninhof, PA-C<br>New York-Presbyterian Hospital   |
| 1:05 p.m. – 1:25 p.m. | <b>Management of the Pleural Space and CXR Interpretation</b><br>Isaac George, MD<br>New York-Presbyterian Hospital |
| 1:25 p.m. – 1:45 p.m. | <b>Fundamentals of VATS Surgery</b><br>Traves D. Crabtree, MD<br>Washington University School of Medicine           |
| 1:45 p.m. – 2:05 p.m. | <b>Advanced Support and ECMO for Respiratory Failure</b><br>Matthew D. Bacchetta, MD<br>Columbia University         |
| 2:05 p.m. – 2:15 p.m. | <b>DISCUSSION AND Q&amp;A</b>   |
| 2:15 p.m. – 2:45 p.m. | <b>BREAK</b>  |





**SESSION V – “KNIFE VS. CATHETER” DEBATES**

2:45 p.m. – 3:25 p.m.

**Moderator:** Michael Guiry, PA  
Columbia University

**Debate #1: PCI Is Better than CABG for Left Main and Multivessel CAD**

**Pro:** Mathew R. Williams, MD  
Columbia University

**Con:** Frederick Yen-Ching Chen, MD  
Brigham and Women’s Hospital

3:25 p.m. – 4:05 p.m.

**Debate #2: Open Saphenectomy Is Superior to Endoscopic Saphenectomy**

**Pro:** Marco A. Zenati, MD  
Harvard Medical School

**Con:** Mark W. Connolly, MD  
St. Joseph’s Regional Medical Center

4:05 p.m. – 4:45 p.m.

**Debate #3: Surgical Mitral Valve Repair Is Superior to the Percutaneous Clip Technique**

**Pro:** Robert L. Smith, MD  
COR Specialty Associates of North Texas

**Con:** William A. Gray, MD  
New York-Presbyterian Hospital/Columbia University

4:45 p.m. – 5:00 p.m.

**CLOSING REMARKS**

5:00 p.m.

**ADJOURN**

## SATURDAY MORNING MAY 7, 2011

8:00 a.m. – 12:00 p.m.



### ***Practice-Based Learning and Improvement***

#### **ADULT CARDIAC SKILLS**

*Ballroom AB, Pennsylvania Convention Center*

**Chairs:** Gorav Ailawadi, MD  
University of Virginia

W. Randolph Chitwood, Jr., MD  
East Carolina University

Data will be presented providing the methodology to evaluate treatment approaches for valvular and coronary diseases as well as arrhythmias. Faculty will outline how to determine individual patient indications for each procedure and explain the best practice skills essential for each operation and for after care. An outline of new technologies which facilitate adult cardiac surgical operations will be available.

### **Course Objectives**

At the conclusion of this course, participants will be able to:

- ☐ Evaluate various methods to surgically treat valvular, coronary, and arrhythmias.
- ☐ Determine individual patient indications for each procedure.
- ☐ Apply the best practice skills for each operation or after care.
- ☐ Become acquainted with new technologies that facilitate adult cardiac surgical operations.

## **SESSION I – CORONARY ARTERY DISEASE**

8:00 a.m. – 8:10 a.m.

### **Radials, Veins, and ITAs: When and How?**

Bruce W. Lytle, MD  
Cleveland Clinic

8:10 a.m. – 8:20 a.m.

### **OFF-Pump, Beating Pump, and Arrested: When and How?**

Gorav Ailawadi, MD  
University of Virginia

8:20 a.m. – 8:30 a.m.

### **Hybrid Revascularization: Is this Good for Patients?**

Joseph J. DeRose, MD  
Albert Einstein College of Medicine/Montefiore  
Medical Center





8:30 a.m. – 8:40 a.m.

**MIS Coronary Surgery: What are the Best Methods?**

Johannes Bonatti, MD  
University of Maryland

8:40 a.m. – 8:55 a.m.

**DISCUSSION**

**SESSION II – MITRAL VALVE DISEASE**

8:55 a.m. – 9:05 a.m.

**Complex Mitral Valve Repairs: Please Simplify for Surgeons!**

Irving L. Kron, MD  
University of Virginia

9:05 a.m. – 9:15 a.m.

**Robotic and “Keyhole” Mitral Repairs: Planning, Executing, and Defending!**

Tomislav Mihaljevic, MD  
Cleveland Clinic

9:15 a.m. – 9:25 a.m.

**Catheter Based Alfieri Repair vs. Open Mitral Repair: What’s the Real Deal?**

Michael Argenziano, MD  
Columbia University

9:25 a.m. – 9:35 a.m.

**Redo Surgery: I Need a Mitral Operation!**

W. Randolph Chitwood, Jr., MD  
East Carolina University

9:35 a.m. – 9:50 a.m.

**DISCUSSION**

9:50 a.m. – 10:10 a.m.

**BREAK**

**SESSION III – ATRIAL FIBRILLATION**

10:10 a.m. – 10:20 a.m.

**Which Energy Source Is Being Proven Best?**

Niv Ad, MD  
Fairfax Hospital

10:20 a.m. – 10:30 a.m.

**MIS and Robotic AF Ablation: Is this Method Prevailing?**

Evelio Rodriguez, MD  
East Carolina University

10:30 a.m. – 10:40 a.m.

**AFib in Setting of CABG or AVR: When to Ablate?**

Ralph J. Damiano, Jr., MD  
Washington University School of Medicine

10:40 a.m. – 10:50 a.m.

**That Damned Atrial Appendage: Tell Me What to Do!**

A. Marc Gillinov, MD  
Cleveland Clinic

10:50 a.m. – 11:05 a.m.

**DISCUSSION**



**SESSION IV – AORTIC VALVE DISEASE**

**11:05 a.m. – 11:15 a.m.**

**Transcatheter AVR: In Europe 30% of all AVRs are Percutaneous!**

Thomas Walther, MD, PhD  
Kerckhoff Heartcenter

**11:15 a.m. – 11:25 a.m.**

**How Do I Save the Aortic Valve with Annulo-Aortic Ectasia?**

Michael A. Borger, MD, PhD  
Leipzig Heart Center

**11:25 a.m. – 11:35 a.m.**

**Small Root Needs Big Valve: Patch Enlargement, Stentless, or Konno?**

David A. Fullerton, MD  
University of Colorado, Denver

**11:35 a.m. – 11:45 a.m.**

**Minimally Invasive AVR: Hemisternotomy vs. Mini-Thoracotomy**

Glenn R. Barnhart, MD  
Swedish Heart and Vascular Institute

**11:45 a.m. – 12:00 p.m.**

**DISCUSSION**

**12:00 p.m.**

**ADJOURN**





## SATURDAY MORNING MAY 7, 2011

8:00 a.m. – 12:00 p.m.



### Medical Knowledge

### CONGENITAL SKILLS

201 ABC, Pennsylvania Convention Center

**Chair:** Constantine Mavroudis, MD  
Cleveland Clinic

Presenters will address and discuss practice gaps in Truncus Arteriosus with interrupted aortic arch, arrhythmia surgery in association with congenital heart repairs, left ventricular outflow tract obstruction in adolescents with aortic stenosis with and without a small annulus, recognition and repair options concerning anomalous aortic origin of the coronary arteries, cardiac transplantation in abnormal recipient anatomy, addressing pulmonary arteriovenous malformations in association with the Kawashima operation for single ventricle patients, Double Outlet Right Ventricle (DORV) with distant ventricular septal defect, and clinical application of the intra/extracardiac Conduit Fenestrated Fontan.

### Course Objectives

At the conclusion of this course, participants will be able to:

- ☐ Appreciate how the operation for truncus arteriosus with interrupted aortic arch can be performed with a minimum of complications.
- ☐ Explain the mechanisms of the various arrhythmias and the surgical ablative techniques necessary to treat them.
- ☐ Review the techniques that are available to treat infants, children, and adolescent patients with left ventricular outflow tract obstruction.
- ☐ Describe the techniques that surgeons use to approach patients with anomalous aortic origin of the coronary arteries.
- ☐ Apply different techniques for cardiac transplantation in the setting of abnormal patient recipient anatomy.
- ☐ Implement solutions for the treatment of pulmonary arteriovenous malformations in Fontan patients.
- ☐ Describe new techniques to achieve biventricular repair in patients with complex double outlet right ventricle.
- ☐ Appreciate the options for extracardiac Fontan operation to preserve sinus rhythm and potentially decrease the incidence of future arrhythmias.

8:00 a.m. – 8:05 a.m.

**Welcome and Introduction**

Constantine Mavroudis, MD  
Cleveland Clinic

8:05 a.m. – 8:20 a.m.

**Truncus with Interrupted Aortic Arch**

Edward L. Bove, MD  
University of Michigan

8:20 a.m. – 8:30 a.m.

**DISCUSSION**

8:30 a.m. – 8:45 a.m.

**DORV with Uncommitted VSD**

Francois G. Lacour-Gayet, MD  
Montefiore Children's Hospital

8:45 a.m. – 8:55 a.m.

**DISCUSSION**

8:55 a.m. – 9:10 a.m.

**Modified Ross-Konno Left Ventricular Outflow Tract Obstruction**

Erle H. Austin, III, MD  
University of Louisville

9:10 a.m. – 9:20 a.m.

**DISCUSSION**

9:20 a.m. – 9:35 a.m.

**Coronary Unroofing for Anomalous Aortic Origin of the Coronary Arteries**

Robert D. Stewart, MD  
Cleveland Clinic

9:35 a.m. – 9:45 a.m.

**DISCUSSION**

9:45 a.m. – 10:15 a.m.

**BREAK**

10:15 a.m. – 10:30 a.m.

**Hepatic Vein to Azygous Vein Anastomosis After Kawashima Operation for Pulmonary Arteriovenous Fistulas**

Tjark Ebels, MD, PhD  
University Medical Centre Groningen

10:30 a.m. – 10:40 a.m.

**DISCUSSION**





10:40 a.m. – 10:55 a.m.

**Operations for Arrhythmia Surgery for Congenital Heart Disease**

Constantine Mavroudis, MD  
Cleveland Clinic

10:55 a.m. – 11:05 a.m.

**DISCUSSION**

11:05 a.m. – 11:20 a.m.

**The Intra/Extracardiac Conduit Fenestrated Fontan**

Richard A. Jonas, MD  
Children's National Medical Center

11:20 a.m. – 11:30 a.m.

**DISCUSSION**

11:30 a.m. – 11:45 a.m.

**Cardiac Transplantation for Complex Recipient Anatomy**

Jeffrey P. Jacobs, MD  
Cardiac Surgical Associates

11:45 a.m. – 12:00 p.m.

**DISCUSSION**

12:00 p.m.

**ADJOURN**

## SATURDAY MORNING MAY 7, 2011

8:00 a.m. – 12:00 p.m.



### **Patient Care**

### **GENERAL THORACIC SKILLS**

*204 ABC, Pennsylvania Convention Center*

**Chair:** Christine L. Lau, MD  
University of Virginia

The faculty will address targeted lung cancer therapy, the possible role of thoracoscopic surgery in advanced lung cancer, treatment of Barrett's esophagus, the changes in lung transplantation in the new LAS era, and the potential options to the management of a bronchopleural fistula and the optimal time to use them.

### **Course Objectives**

At the conclusion of this course, participants will be able to:

- ☐ Describe targeted lung cancer therapy.
- ☐ Identify the possible role of thoracoscopic surgery in advanced lung cancer.
- ☐ Apply the best treatment for Barrett's esophagus.
- ☐ Detail the changes in lung transplantation in the new LAS era.
- ☐ Describe the potential options to manage a bronchopleural fistula and the optimal time to use the options.

8:00 a.m. – 8:10 a.m.

### **Introduction and Course Overview**

Christine L. Lau, MD  
University of Virginia

## **SESSION I**

8:10 a.m. – 8:30 a.m.

### **Status of Lung Cancer Immunotherapy – Targeted Therapy**

A. Sasha Krupnick, MD  
Washington University School of Medicine

8:30 a.m. – 8:50 a.m.

### **Sleeve Resections**

Walter Klepetko, MD  
Vienna Medical University

8:50 a.m. – 9:10 a.m.

### **Assessment of the Solitary Pulmonary Nodule**

Eric L. Grogan, MD, MPH  
Vanderbilt University





9:10 a.m. – 9:30 a.m.

**Role of VATS in Resection of Locally Advanced Lung Cancer**

Thomas A. D'Amico, MD  
Duke University

9:30 a.m. – 9:45 a.m.

**DISCUSSION**

9:45 a.m. – 10:15 a.m.

**BREAK**

**SESSION II**

10:15 a.m. – 10:35 a.m.

**Novel Treatments of Barrett's Esophagus**

Michael J. Weyant, MD  
University of Colorado

10:35 a.m. – 11:05 a.m.

**Transhiatal Esophagectomy**

Mark B. Orringer, MD  
University of Michigan

11:05 a.m. – 11:25 a.m.

**Who Not to Perform a Lung Transplant On**

Michael S. Mulligan, MD  
University of Washington Medical Center

11:25 a.m. – 11:45 a.m.

**Management of the Postpneumonecotomy Empyema**

Walter Weder, MD  
University Hospital

11:45 a.m. – 12:00 p.m.

**DISCUSSION**

12:00 p.m.

**ADJOURN**

## SATURDAY AFTERNOON MAY 7, 2011

1:00 p.m. – 5:10 p.m.



### **Professionalism**

### **DEVELOPING THE ACADEMIC SURGEON SYMPOSIUM**

*204 ABC, Pennsylvania Convention Center*

**Chair:** Bryan F. Meyers, MD, MPH  
Washington University School of Medicine

Personal success stories of several CT surgeons who have achieved funded research grants will be augmented by discussion of pathways towards extramural funded research accessible to cardiothoracic surgeons. The faculty will identify several options for collaboration or mentorship outside the field and will detail the true potential cost in time and seed money necessary to launch and support a new investigator towards independence. Other issues pertinent to engaging and recruiting young surgeons into academic cardiothoracic surgery will be covered as well.

### **Course Objectives**

At the conclusion of this course, participants will be able to:

- ☐ Identify at least three pathways toward extramural funded research accessible to cardiothoracic surgeons.
- ☐ Summarize details and milestones in the personal successes of at least three CT surgeons achieving funded research grants.
- ☐ Identify several options for collaboration or mentorship outside the field of other CT surgeons.
- ☐ Describe the true potential cost in time and seed money support to launch a new investigator towards independence.

1:00 p.m. – 1:10 p.m.

#### **Introduction**

Bryan F. Meyers, MD, MPH  
Washington University School of Medicine

1:10 p.m. – 1:30 p.m.

#### **Successful Academic Recruitment**

John S. Ikonomidis, MD, PhD  
Medical University of South Carolina

1:30 p.m. – 1:50 p.m.

#### **Getting to R01 Funded Status: Key Steps and Tips**

Daniel Kreisel, MD, PhD  
Washington University School of Medicine

1:50 p.m. – 2:10 p.m.

#### **NIH K12 Career Development Awards**

Dennis Wigle, MD, PhD  
Mayo Clinic





2:10 p.m. – 2:30 p.m.

**K08 with the AHRQ: Mentored Research with a Non-Surgeon Mentor**

Benjamin D. Kozower, MD, MPH  
University of Virginia

2:30 p.m. – 2:50 p.m.

**Collaborative Research Between Surgeons and Educators**

Sarah Peyre, EdD  
Harvard University/Brigham and Women's Hospital

2:50 p.m. – 3:10 p.m.

**BREAK**

3:10 p.m. – 3:30 p.m.

**Academic Surgery Present and Future Prospects**

W. Roy Smythe, MD  
Texas A&M University Health Science Center

3:30 p.m. – 3:50 p.m.

**Building on Local Strengths as a Path to Academic Success**

Patricia A. Thistlethwaite, MD, PhD  
University of California, San Diego

3:50 p.m. – 4:10 p.m.

**How Much Is that R Grant in the Window?**

G. Alec Patterson, MD  
Washington University School of Medicine

4:10 p.m. – 4:30 p.m.

**Sparkling the Flame of the Next Generation of Academic Surgeons**

William A. Baumgartner, MD  
The Johns Hopkins Hospital

4:30 p.m. – 4:50 p.m.

**Enrollment Challenges in Surgical Clinical Trials**

Robert E. Michler, MD  
Montefiore Medical Center/Albert Einstein College of Medicine

4:50 p.m. – 5:10 p.m.

**DISCUSSION**

5:10 p.m.

**ADJOURN**



## SATURDAY AFTERNOON MAY 7, 2011

1:00 p.m. – 4:00 p.m.



### ***Professionalism***

#### **HIGH PERFORMANCE TEAMS IN THE OPERATING ROOM: USING THE NOTSS PROGRAM (“NON-TECHNICAL SKILLS FOR SURGEONS”) TO IMPROVE COMMUNICATION, UNDERSTANDING AND PERFORMANCE**

*201 ABC, Pennsylvania Convention Center*

**Chairs:** Simon Paterson-Brown, MBBS, FRCS, MPhil, MS  
Royal College of Surgeons of Edinburgh

George Youngson, CBE, PhD  
Royal College of Surgeons of Edinburgh

Steven Yule, MA, PhD, MSc  
Royal College of Surgeons of Edinburgh

An interactive session focused on the underlying human factors and non-technical skills essential for successful surgical outcomes which are not covered in formal training programs. Participants will be provided with an introduction to observational techniques and become familiar with a behavior rating system to assist in the evaluation of the performance of surgeons in the operating room. Audience participation will be augmented by structured methods of analyzing behavior and some initial training in identifying and discussing performance in surgery.

### **Course Objectives**

At the conclusion of this course, participants will be able to:

- ☐ Understand the role of human factors in surgical safety.
- ☐ Demonstrate an understanding of the relevance of observational techniques to improving clinical practice, including benefits and limitations.
- ☐ Identify and rate examples of good and poor behaviors in the operating room.
- ☐ Discuss key non-technical skills within a surgical context.





1:00 p.m. – 1:30 p.m.

**Introduction and 'Never Events' in the OR  
Human Factors**

1:30 p.m. – 1:45 p.m.

1:45 p.m. – 2:05 p.m.

**Video Scenario 1 – High Performance in the OR?**

2:05 p.m. – 2:15 p.m.

**The NOTSS Behavior Rating System**

2:15 p.m. – 3:20 p.m.

**Breaking Down the NOTSS System:**

☐ **Situation Awareness**

☐ **Decision Making**

☐ **Communication and Teamwork**

☐ **Leadership**

3:20 p.m. – 3:40 p.m.

**Video Scenario 2 – High Performance Teamwork?**

3:40 p.m. – 4:00 p.m.

**Practical Applications**

**SUNDAY**  
**MAY 8, 2011**

**7:55 a.m. – 5:00 p.m.**



**Medical Knowledge**

**AATS/STS ADULT CARDIAC SURGERY SYMPOSIUM**

*Ballroom AB, Pennsylvania Convention Center*

**Chair:** John A. Kern, MD  
University of Virginia

This symposium will address important new developments and updates in the broad field of adult cardiac surgery, particularly in the areas of aortic and mitral valve disease and therapies, as well as the treatment of thoracic aortic aneurysms, dissections, penetrating ulcers, and intramural hematomas. Participants will have a better understanding of the importance of data management and utilization, and will hear evidence based recommended changes in practice patterns, particularly as they relate to ischemic heart disease. Participants will also hear presentations on the optimal use of pre-operative cardiac imaging, the optimal treatment of hypertrophic cardiomyopathy, techniques for safer re-do cardiac surgery and when to consider LVAD therapy. Panel discussions will follow each session to allow time for questions and answers.

**Course Objectives**

At the conclusion of this course, participants will be able to:

- ☐ Appropriately choose and utilize all diagnostic modalities to accurately and completely diagnose patients with valvular heart disease and coronary artery disease and justify the use of each imaging modality.
- ☐ Describe the long-term results of various techniques for surgical coronary revascularization and how they compare to percutaneous stenting, in addition to detailing the long-term patency of various coronary bypass conduits so that surgeons may appropriately and justifiably tailor individual operations for individual patients.
- ☐ Apply evidence-based guidelines to their treatment of patients with aortic valve disease. Specifically, apply the knowledge gained from ongoing clinical trials involving trans-catheter valve therapy to patients with aortic stenosis so that they may more appropriately choose optimal therapy.
- ☐ Select appropriate treatment options and timing of interventions for all patients with aortic dissections. Determine when to intervene on pathologies of the aortic arch and when to utilize endovascular stent graft technologies in light of what is presently known about long-term results of such therapies.
- ☐ Appropriately utilize mitral valve repair technique options when approached with patients with mitral valve insufficiency and appreciate when mitral valve replacement is justified.
- ☐ Gain an appreciation for the long-term limitations of and complications encountered (such as GI bleeding) with LVAD therapy.





7:55 a.m. – 8:00 a.m.

**Welcome and Course Overview**

John A. Kern, MD  
University of Virginia

**SESSION I – AORTIC VALVE**

8:00 a.m. – 8:20 a.m.

**Does Choice of Prosthesis Really Matter**

Neal D. Kon, MD  
Wake Forest University

8:20 a.m. – 8:40 a.m.

**Patient-Prosthesis Mismatch: Is it for Real**

Marc R. Moon, MD  
Washington University School of Medicine

8:40 a.m. – 9:00 a.m.

**Transcatheter AVR Update**

Mathew R. Williams, MD  
Columbia University

9:00 a.m. – 9:20 a.m.

**Aortic Valve Repair: Technical Aspects and How Much Residual AI Is Too Much**

Gebrine El Khoury, MD  
St-Luc Hospital

9:20 a.m. – 9:30 a.m.

**DISCUSSION**

9:30 a.m. – 9:50 a.m.

**BREAK**

**SESSION II – MITRAL VALVE**

9:50 a.m. – 10:10 a.m.

**Understanding Mechanisms of MR as a Means to Optimizing Repair: What Have We Learned over 30 Years**

W. Randolph Chitwood, Jr., MD  
East Carolina University

10:10 a.m. – 10:30 a.m.

**What Is the Science (Data) Behind the Use of Neo-Chords**

Vinod H. Thourani, MD  
Emory University

10:30 a.m. – 10:50 a.m.

**Moderate MR Associated with Other Cardiac Pathology: When to Treat**

James S. Gammie, MD  
University of Maryland

10:50 a.m. – 11:00 a.m.

**DISCUSSION**

SUNDAY

### SESSION III – EVIDENCE/DATA BASED PRACTICES AND ISCHEMIC HEART DISEASE

11:00 a.m. – 11:20 a.m.

**Data Reporting, Management, and Utilization:  
Why Is it Important**

T. Bruce Ferguson, Jr., MD  
East Carolina University

11:20 a.m. – 11:40 a.m.

**New and Creative Strategies for Revascularization:  
How to Prepare for a Value-Based Reimbursement  
World**

John G. Byrne, MD  
Vanderbilt University

11:40 a.m. – 12:00 p.m.

**Data/Evidence Based Treatment of Ischemic Heart  
Disease**

David P. Taggart, MD, PhD  
University of Oxford

12:00 p.m. – 1:30 p.m.

**LUNCH SYMPOSIUM**

**Evolving Technologies: Incorporating New  
Technologies and Developing Proficiency**

Michael J. Mack, MD  
Baylor Health Care System

### SESSION IV – THORACIC AORTIC DISEASE

1:30 p.m. – 1:50 p.m.

**Re-Intervention on Failed Endografts: When and How**

Wilson Y. Szeto, MD  
University of Pennsylvania

1:50 p.m. – 2:10 p.m.

**When and How to Operate on the Aortic Arch**

Joseph S. Coselli, MD  
Baylor College of Medicine

2:10 p.m. – 2:30 p.m.

**Changing Paradigms for the Treatment of Aortic  
Dissections**

G. Michael Deeb, MD  
University of Michigan

2:30 p.m. – 2:50 p.m.

**How Should We Manage Penetrating Ulcers and  
Intramural Hematomas of the Thoracic Aorta?**

Thomas G. Gleason, MD  
University of Pittsburgh Medical Center

2:50 p.m. – 3:00 p.m.

**DISCUSSION**

3:00 p.m. – 3:30 p.m.

**BREAK**





**SESSION V – SPECIAL TOPICS IN ADULT CARDIAC SURGERY**

3:30 p.m. – 3:50 p.m.

**Optimal Utilization of Cardiac MRI in 2011**

David D. Yuh, MD  
The Johns Hopkins Hospital

3:50 p.m. – 4:10 p.m.

**Tips for Safe Re-Operative Heart Surgery**

Patrick E. Parrino, MD  
Ochsner Clinic Foundation

4:10 p.m. – 4:30 p.m.

**Tips for the Optimal Treatment of HCM**

Hartzell V. Schaff, MD  
Mayo Clinic

4:30 p.m. – 4:50 p.m.

**When All Else Fails: LVAD**

John V. Conte, MD  
The Johns Hopkins Hospital

4:50 p.m. – 5:00 p.m.

**DISCUSSION**

5:00 p.m.

**ADJOURN TO WELCOME RECEPTION IN  
EXHIBIT HALL A**

SUNDAY

**SUNDAY**  
**MAY 8, 2011**

**8:00 a.m. – 5:00 p.m.**



**Patient Care**

**AATS/STS CARDIOTHORACIC CRITICAL CARE  
SYMPOSIUM**

*108 AB, Pennsylvania Convention Center*

**Chairs:** Nevin M. Katz, MD  
Johns Hopkins University  
  
Michael S. Mulligan, MD  
University of Washington Medical Center

Emphasis will be placed on the unique specialty aspects of Cardiovascular-Thoracic (CVT) Critical Care including ECMO, mechanical support, transplant perioperative care, and management of patients after aortic surgery. Fundamental areas of critical care will be presented in a case related format in order to practically relate them to specific cardiothoracic applications. These areas include: evidenced based blood conservation and transfusion guidelines, nutritional support, renal replacement therapies, optimal antibiotic utilization, vasopressor and inotrope support, and arrhythmia management. Significant challenges exist to the establishment of cardiothoracic critical care units at different institutions. A review of relevant issues and potential solutions will be discussed in an open forum and hemodynamic simulation luncheon session. Attendees are encouraged to share the issues and concerns that have arisen at the own institutions.

**Course Objectives**

At the conclusion of this course, participants will be able to:

- ☐ Describe unique specialty aspects of Cardiovascular-Thoracic (CVT) Critical Care including ECMO and mechanical circulatory support.
- ☐ Integrate nutritional innovations into the practice of CVT Critical Care.
- ☐ Apply evidence-based blood and component transfusion guidelines to clinical practice.
- ☐ Select appropriate anti-microbial agents and practices for treatment and prevention of nosocomial infection including CVL infections.





|                         |   |
|-------------------------|---|
| 8:00 a.m. – 8:10 a.m.   | <b>Welcome and Opening Remarks</b><br>Michael S. Mulligan, MD<br>University of Washington Medical Center                      |
| 8:10 a.m. – 8:40 a.m.   | <b>CT Critical Care: Challenges and Developments</b><br>Nevin M. Katz, MD<br>Johns Hopkins University                         |
| 8:40 a.m. – 9:10 a.m.   | <b>Cardiovascular Pharmacologic Support</b><br>Jerrold H. Levy, MD<br>Emory University  |
| 9:10 a.m. – 9:40 a.m.   | <b>Post-Op Cardiac Surgery Arrhythmia Management</b><br>Ralph J. Damiano, Jr., MD<br>Washington University School of Medicine |
| 9:40 a.m. – 10:10 a.m.  | <b>Post-Operative Care of LVAD Recipients</b><br>Lyle D. Joyce, MD, PhD<br>Mayo Clinic  |
| 10:10 a.m. – 10:30 a.m. | <b>BREAK</b>  |
| 10:30 a.m. – 11:00 a.m. | <b>Algorithm for Support of the Failing Heart</b><br>Ranjit John, MD<br>University of Minnesota                               |
| 11:00 a.m. – 11:30 a.m. | <b>Principles of Aortic Surgery Postoperative Care</b><br>Anthony L. Estrera, MD<br>University of Texas at Houston            |
| 11:30 a.m. – 12:00 p.m. | <b>Latest Blood Conservation Protocols</b><br>Jerrold H. Levy, MD<br>Emory University   |
| 12:00 p.m. – 1:00 p.m.  | <b>Luncheon Symposium—Hemodynamic Simulation</b><br>Nevin M. Katz, MD<br>Johns Hopkins University                             |
| 1:00 p.m. – 1:30 p.m.   | <b>BREAK</b>  |

SUNDAY

1:30 p.m. – 2:00 p.m.

**Infection Prophylaxis and Prevention**

Dennis G. Maki, MD  
University of Wisconsin

2:00 p.m. – 2:30 p.m.

**Advanced Ventilator & ECMO Support for Failing Lungs**

Robert H. Bartlett, MD  
University of Michigan

2:30 p.m. – 3:00 p.m.

**Lung Transplant Peri-Operative Care**

Michael S. Mulligan, MD  
University of Washington Medical Center

3:00 p.m. – 3:15 p.m.

**BREAK**

3:15 p.m. – 3:45 p.m.

**Continuous vs. Intermittent Renal Replacement Therapy**

Andrew D. Shaw, MD  
Duke University

3:45 p.m. – 4:15 p.m.

**C difficile: The New Nosocomial Plague**

Dennis G. Maki, MD  
University of Wisconsin

4:15 p.m. – 4:45 p.m.

**Enteric & Parenteral Nutritional Support—Case Scenarios**

Aaron M. Cheng, MD  
Harborview Medical Center

4:45 p.m. – 5:00 p.m.

**DISCUSSION**

5:00 p.m.

**ADJOURN TO WELCOME RECEPTION IN EXHIBIT HALL A**





## SUNDAY MAY 8, 2011

7:55 a.m. – 5:00 p.m.



### **Patient Care**

### **AATS/STS CONGENITAL HEART DISEASE SYMPOSIUM**

201 ABC, Pennsylvania Convention Center

**Chair:** Pedro J. del Nido, MD  
Children's Hospital Boston

Participants will be provided data to assist them in understanding techniques for valve reconstruction covering the spectrum of congenital and acquired valve defects, and the comparative results versus replacement in children. Various options for reconstruction of the regurgitant aortic, mitral, and tricuspid valve will be presented. Faculty will stress the impact of timing of surgery on late outcomes in pulmonary valve insertion and provide an overview of non-invasive imaging techniques for assessing valve function.

SUNDAY

### **Course Objectives**

At the conclusion of this course, participants will be able to:

- ☐ Describe the comparative results of valve reconstruction versus replacement in children.
- ☐ List the various options for reconstruction of the regurgitant aortic valve.
- ☐ Discuss the impact of timing of surgery on late outcomes in pulmonary valve insertion.
- ☐ Demonstrate non-invasive imaging techniques for assessing valve function.

7:55 a.m. – 8:00 a.m.

### **Welcome and Course Overview**

Pedro J. del Nido, MD  
Children's Hospital Boston

## **SESSION I – AORTIC VALVE SURGERY**

8:00 a.m. – 8:20 a.m.

**Moderators:** Pedro J. del Nido, MD  
Children's Hospital Boston  
Frank L. Hanley, MD  
Stanford University

### **Aortic Valve Regurgitation: Leaflet Reconstruction Techniques**

Gebrine El Khoury, MD  
St-Luc Hospital



|                         |   |
|-------------------------|---|
| 8:20 a.m. – 8:40 a.m.   | <b>Aortic Valve Reconstruction in the Young Infant</b><br>Christopher Baird, MD<br>Children's Hospital Boston     |
| 8:40 a.m. – 9:00 a.m.   | <b>Valve Sparing Aortic Root Remodeling</b><br>Duke E. Cameron, MD<br>The Johns Hopkins Hospital                  |
| 9:00 a.m. – 9:20 a.m.   | <b>The Place for the Ross Operation: The "Ideal" Patient</b><br>Frank L. Hanley, MD<br>Stanford University        |
| 9:20 a.m. – 9:40 a.m.   | <b>The Rheumatic Aortic Valve in Children: Surgical Options</b><br>Magdi H. Yacoub, MD<br>Imperial College London |
| 9:40 a.m. – 10:15 a.m.  | <b>CASE DISCUSSIONS</b>   |
| 10:15 a.m. – 10:50 a.m. | <b>BREAK</b>  |

## SESSION II – THE PULMONARY VALVE

|                         |   |
|-------------------------|---|
|                         | <b>Moderators:</b> Emile A. Bacha, MD<br>Children's Hospital of New York<br>James S. Tweddell, MD<br>Medical College of Wisconsin |
| 10:50 a.m. – 11:20 a.m. | <b>Valve Sparing and Reconstruction Techniques</b><br>Emile A. Bacha, MD<br>Children's Hospital of New York                       |
| 11:20 a.m. – 11:40 a.m. | <b>Timing and Techniques for Pulmonary Valve Insertion</b><br>James S. Tweddell, MD<br>Medical College of Wisconsin               |
| 11:40 a.m. – 12:00 p.m. | <b>Options for Prosthetic Valve/Conduit Insertion</b><br>Sitaram Emani, MD<br>Children's Hospital Boston                          |
| 12:00 p.m. – 1:30 p.m.  | <b>LUNCH SYMPOSIUM</b><br><b>Heart Valve Imaging for Surgical Planning</b><br>Stephen Sanders, MD<br>Children's Hospital Boston   |





**SESSION III – TRICUSPID VALVE SURGERY**

|                       |  |
|-----------------------|--|
|                       | <b>Moderators:</b> Joseph A. Dearani, MD<br>Mayo Clinic<br><br>Richard G. Ohye, MD<br>University of Michigan                                 |
| 1:30 p.m. – 1:50 p.m. | <b>Ebstein's Anomaly of the Tricuspid Valve: The Cone Repair</b><br>Jose Pedro da Silva, MD<br>Hospital Beneficencia Portuguesa de Sao Paulo |
| 1:50 p.m. – 2:10 p.m. | <b>Tricuspid Regurgitation in Non-Ebstein's Valve Anomalies</b><br>Joseph A. Dearani, MD<br>Mayo Clinic                                      |
| 2:10 p.m. – 2:30 p.m. | <b>Tricuspid Valve Repair in Single Ventricle: Timing and Techniques</b><br>Victor T. Tsang, MD<br>Great Ormond Street Hospital for Children |
| 2:30 p.m. – 2:50 p.m. | <b>BREAK</b>   |

**SESSION IV – MITRAL VALVE RECONSTRUCTION**

|                       |  |
|-----------------------|--|
|                       | <b>Moderators:</b> Pedro J. del Nido, MD<br>Children's Hospital Boston<br><br>Afksendiyos Kalangos, MD, PhD<br>University Hospital of Geneva |
| 2:50 p.m. – 3:05 p.m. | <b>Congenital Mitral Stenosis: Morphology and Surgical Approaches</b><br>Pedro J. del Nido, MD<br>Children's Hospital Boston                 |
| 3:05 p.m. – 3:25 p.m. | <b>Mitral Regurgitation: Surgical Techniques for Reconstruction</b><br>Richard G. Ohye, MD<br>University of Michigan                         |
| 3:25 p.m. – 3:45 p.m. | <b>The Rheumatic Mitral Valve and Repair Techniques in Children</b><br>Afksendiyos Kalangos, MD, PhD<br>University Hospital of Geneva        |

SUNDAY

3:45 p.m. – 4:05 p.m.

**The Regurgitant Heterotaxy Valve**

Shunji Sano, MD, PhD  
Okayama University

4:05 p.m. – 4:25 p.m.

**Resection/Non-Resection Techniques in Degenerative Mitral Disease in Young Adults**

David H. Adams, MD  
Mount Sinai Medical Center

4:25 p.m. – 5:00 p.m.

**CASE DISCUSSIONS**

5:00 p.m.

**ADJOURN TO WELCOME RECEPTION  
IN EXHIBIT HALL A**





## SUNDAY MAY 8, 2011

7:55 a.m. – 5:00 p.m.



### **Medical Knowledge**

### **AATS/STS GENERAL THORACIC SURGERY SYMPOSIUM**

204 ABC, Pennsylvania Convention Center

**Chair:** David R. Jones, MD  
University of Virginia

This symposium features a number of educational formats including didactic lectures, "How-I-Do-It" sessions, and a debate. In addition to other topics, the current status of the management of Pancoast tumors, stage IIIA NSCLC, esophageal diverticuli, and gastroesophageal cancers will be reviewed by experts in the field. In addition, surgeon experts will discuss technical advances and how to avoid potential pitfalls for a number of operative procedures including thoracoscopic thymectomy, VAMLA and TEMPLA, VATS segmentectomy, superior vena cava resection, and reconstruction and chest wall resection and reconstruction. Finally, important updates on the current status of lung cancer screening as well as targeted therapies for NSCLC will be presented.

SUNDAY

### **Course Objectives**

At the conclusion of this course, participants will be able to:

- ☐ Describe the current status of lung cancer screening programs.
- ☐ Outline the indications for and results of surgery for patients with stage III (N2) NSCLC.
- ☐ Apply and modify practice patterns if indicated on the current treatment strategies for Pancoast resections.
- ☐ Develop an understanding of current applications and indication for targeted therapies in lung cancer patients.
- ☐ Evaluate and manage intrathoracic esophageal diverticuli.
- ☐ Assess and appreciate differences in the surgical approach to repair of giant para-esophageal hiatal hernias.
- ☐ Discuss the optimal therapy for GE junction tumors.
- ☐ Appreciate and become familiar with new technical approaches to perform a minimally-invasive esophagectomy.
- ☐ Delineate the various treatment modalities for managing an esophageal leak.
- ☐ List current evidence-based recommendations for induction and adjuvant therapies for lymph node positive esophageal cancer.



- ❑ Describe the important technical and procedural components to perform several operations including thoracoscopic thymectomy, VATS lymph nodal dissection, VATS segmentectomy, superior vena cava resection, and chest wall resection and reconstruction.
- ❑ Describe potential technical pitfalls and how to avoid them to improve clinical results in the operative procedures listed above.

8:00 a.m. – 8:10 a.m.

**Introduction and Course Overview**

David R. Jones, MD  
University of Virginia

**SESSION I – LUNG CANCER**

8:10 a.m. – 8:30 a.m.

**Current Status of Lung Cancer Screening**

Frank C. Detterbeck, MD  
Yale University

8:30 a.m. – 9:00 a.m.

**Current Surgical Therapy for Stage IIIA (N2) NSCLC**

Valerie W. Rusch, MD  
Memorial Sloan-Kettering Cancer Center

9:00 a.m. – 9:30 a.m.

**Trimodality Therapy for Pancoast Tumors: Results and Outcomes**

David H. Harpole, Jr., MD  
Duke University

9:30 a.m. – 10:00 a.m.

**Targeted Therapy for NSCLC: Which Drug for Which Patient?**

Mark A. Socinski, MD  
University of North Carolina

10:00 a.m. – 10:30 a.m.

**BREAK**

**SESSION II – BENIGN ESOPHAGEAL DISEASE**

10:30 a.m. – 10:50 a.m.

**Evaluation and Management of Intrathoracic Esophageal Diverticuli**

Benjamin D. Kozower, MD, MPH  
University of Virginia

10:50 a.m. – 11:20 a.m.

**Surgical Management of End-Stage Achalasia**

Stephen C. Yang, MD  
The Johns Hopkins Hospital





11:20 a.m. – 12:00 p.m.

**Surgical Controversies: Open vs. Laparoscopic Repair of Giant Paraesophageal Hiatal Hernia (GPEH) Open Thoracotomy Is Best for GPEH**

Henning A. Gaissert, MD  
Massachusetts General Hospital

**Laparoscopic Repair Is Best for GPEH**

Michael A. Maddaus, MD  
University of Minnesota

12:00 p.m. – 1:30 p.m.

**LUNCH SYMPOSIUM**

**Why We Make Mistakes: Impact on Quality and What Surgeons Can Do About It**

Jeffrey S. Young, MD  
University of Virginia

SUNDAY

**SESSION III – ESOPHAGEAL CANCER**

1:30 p.m. – 2:00 p.m.

**Optimal Therapy for GE Junction Tumors**

Steven G. Swisher, MD  
MD Anderson Cancer Center

2:00 p.m. – 2:20 p.m.

**Technical Tips for Performing a Minimally Invasive Esophagectomy**

Bryan F. Meyers, MD, MPH  
Washington University School of Medicine

2:20 p.m. – 2:40 p.m.

**Management of the Post-Esophagectomy Anastomotic Leak**

James S. Allan, MD  
Massachusetts General Hospital

2:40 p.m. – 3:00 p.m.

**Induction and Adjuvant Therapies for Node-Positive Esophageal Cancer**

Gail E. Darling, MD  
University of Toronto

3:00 p.m. – 3:30 p.m.

**BREAK**

**SESSION IV – SURGICAL TECHNIQUES: How I Do It**

|                              |   |
|------------------------------|---|
| <b>3:30 p.m. – 3:45 p.m.</b> | <b>VATS – Mediastinal Lymph Node Dissection for NSCLC</b><br>Scott J. Swanson, MD<br>Brigham and Women's Hospital |
| <b>3:45 p.m. – 4:00 p.m.</b> | <b>Thoracoscopic Thymectomy</b><br>Stephen D. Cassivi, MD<br>Mayo Clinic  |
| <b>4:00 p.m. – 4:15 p.m.</b> | <b>VATS Segmentectomy</b><br>Joshua R. Sonett, MD<br>Columbia University  |
| <b>4:15 p.m. – 4:30 p.m.</b> | <b>Superior Vena Cava Resection and Reconstruction</b><br>Thomas K. Waddell, MD, PhD<br>University of Toronto     |
| <b>4:30 p.m. – 4:45 p.m.</b> | <b>Video-Assisted Mediastinal Lymphadenectomy (VAMLA)</b><br>Todd L. Demmy, MD<br>Roswell Park Cancer Center      |
| <b>4:45 p.m. – 5:00 p.m.</b> | <b>Chest Wall Resection and Reconstruction</b><br>Gaetano Rocco, MD<br>National Cancer Institute – Italy          |
| <b>5:00 p.m.</b>             | <b>ADJOURN TO WELCOME RECEPTION IN EXHIBIT HALL A</b>   |



## SUNDAY, MAY 8, 2011

3:00 p.m. – 5:00 p.m.

### 14<sup>th</sup> Annual C. Walton Lillehei Resident Forum

105 AB, Pennsylvania Convention Center

(7 minutes presentation, 8 minutes discussion)

**Chairs:** J. William Gaynor, MD  
Children's Hospital of Philadelphia  
Patrick M. McCarthy, MD  
Northwestern University

#### L1. **Serum Levels of Neuron-Specific UCH-L1 Can Predict Brain Injury in a Canine Model of Hypothermic Circulatory Arrest**

George J. Arnaoutakis<sup>1</sup>, Timothy J. George<sup>1</sup>, Kevin K. Wang<sup>6</sup>, Mary Ann Wilson<sup>3,7</sup>, Jeremiah G. Allen<sup>1</sup>, Eric S. Weiss<sup>1</sup>, Mary E. Blue<sup>2,7</sup>, C.C. Talbot<sup>5</sup>, Juan C. Troncoso<sup>4</sup>, Michael V. Johnston<sup>+2,7</sup>, William A. Baumgartner<sup>+1</sup>

1. Division of Cardiac Surgery, The Johns Hopkins Medical Institutions, Baltimore, MD, United States. 2. Neurology, The Johns Hopkins Medical Institutions, Baltimore, MD, United States. 3. Neuroscience, The Johns Hopkins Medical Institutions, Baltimore, MD, United States. 4. Neuropathology, The Johns Hopkins Medical Institutions, Baltimore, MD, United States. 5. Institute of Genetic Medicine, The Johns Hopkins Medical Institutions, Baltimore, MD, United States. 6. Banyan Biomarkers, Alachua, FL, United States. 7. Hugo W. Moser Research Institute, Kennedy-Krieger, Baltimore, MD, United States.

#### L2. **Pretreatment Strategy with Adenosine A2A Receptor Agonist Attenuates Reperfusion Injury in a Preclinical Porcine Lung Transplantation Model**

Damien J. LaPar<sup>1</sup>, Abbas Emaminia<sup>1</sup>, Ivan K. Crosby<sup>+1</sup>, Ashish K. Sharma<sup>1</sup>, Heather M. Sumner<sup>2</sup>, Christine L. Lau<sup>+1</sup>, Victor E. Laubach<sup>1</sup>, Irving L. Kron<sup>+1</sup>

1. Surgery, University of Virginia, Charlottesville, VA, United States. 2. Pathology, University of Virginia, Charlottesville, VA, United States.

#### L3. **Selective Left Ventricular Restraint Significantly Decreases Transmural Pressure and Indices of Myocardial Oxygen Consumption**

Suyog A. Mokashi, Lawrence S. Lee, Jan D. Schmitto, Rita Laurence, Siobhan McGurk, Lawrence H. Cohn<sup>+</sup>, R. Morton Bolman, III<sup>+</sup>, Frederick Y. Chen<sup>+</sup>  
Cardiac Surgery, Brigham and Women's Hospital, Boston, MA, United States.

SUNDAY



- L4. Cardioprotection Against Myocardial Infarction by Ischemic Pre- and Post-Conditioning are Both Completely Abrogated by Acute Hyperglycemia**  
Sara A. Hennessy<sup>1</sup>, Zequan Yang<sup>1</sup>, Yuan Liu<sup>1</sup>, David R. Jones<sup>+1</sup>, Brent A. French<sup>2</sup>, Irving L. Kron<sup>+1</sup>  
*1. Department of Surgery, University of Virginia, Charlottesville, VA, United States. 2. Department of Biomedical Engineering, University of Virginia, Charlottesville, VA, United States.*
- L5. The Bone Marrow Microenvironment Induces a “Mesenchymal/Stem Cell” Phenotype and Therapeutic Resistance in Non-Small Cell Lung Cancer Cells**  
Antonio Coppolino<sup>1</sup>, Ding Cheng Gao<sup>1</sup>, Raffaella Sordella<sup>2</sup>, Vivek Mittal<sup>1</sup>, Nasser K. Altorki<sup>+1</sup>, Brendon M. Stiles<sup>1</sup>  
*1. Cardiothoracic Surgery, Weill Cornell Medical College, New York, NY, United States. 2. Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, United States.*
- L6. Hypercholesterolemia and Chronic Ischemia Alter Myocardial Responses to Selective Cyclooxygenase-2 Inhibition**  
Louis M. Chu<sup>1</sup>, Michael Robich<sup>1,2</sup>, Antonio D. Lassaletta<sup>1</sup>, Shu-hua Xu<sup>2</sup>, Thomas Burgess<sup>1</sup>, Yuhong Liu<sup>1</sup>, Nicholas Sellke<sup>1</sup>, Frank W. Sellke<sup>+1</sup>  
*1. Surgery, Alpert Medical School of Brown University, Providence, RI, United States. 2. Surgery, Beth Israel Deaconess Medical Center, Boston, MA, United States.*
- L7. Lung Cancer Tumor-Initiating Cells Overexpress GADD34 and Are Sensitive to Viral Oncolysis**  
Joshua Carson<sup>1,2</sup>, Susanne Carpenter<sup>1</sup>, Drew Marano<sup>1</sup>, Valerie W. Rusch<sup>+1,2</sup>, Yuman Fong<sup>1</sup>  
*1. Surgery, Memorial Sloan-Kettering Cancer Center, New York, NY, United States. 2. Thoracic Surgery, Memorial Sloan-Kettering Cancer Center, New York, NY, United States.*
- L8. Statins Attenuate Growth and Malignant Potential of Human Esophageal Adenocarcinoma Cells**  
Miral R. Sadaria<sup>1</sup>, Amy E. Reppert<sup>1</sup>, Jessica A. Yu<sup>1</sup>, Xianzhong Meng<sup>1</sup>, David A. Fullerton<sup>+1</sup>, T. Brett Reece<sup>1</sup>, Michael J. Weyant<sup>1</sup>  
*1. Surgery, University of Colorado at Denver and Health Sciences Center, Aurora, CO, United States.*

5:00 p.m.

**ADJOURN TO WELCOME RECEPTION  
IN EXHIBIT HALL A**



## MONDAY, MAY 9, 2011

7:30 a.m.

### **Business Session**

*(AATS Members Only)*

*Ballroom AB, Pennsylvania Convention Center*

7:45 a.m.

### **PLENARY SCIENTIFIC SESSION**

*Ballroom AB, Pennsylvania Convention Center*

*(8 minutes presentation, 12 minutes discussion)*

**Moderators:** Irving L. Kron, MD  
Thoralf M. Sundt, III, MD

#### **1. Late Breaking Clinical Trial:**

##### **Frequency and Severity of Neurologic Events After Aortic Valve Replacement or Transcatheter Aortic Valve Implantation in High Surgical Risk Patients with Aortic Stenosis: The PARTNER Trial Stroke Substudy**

D. Craig Miller<sup>+</sup> on behalf of the PARTNER Trial Investigators.

**Invited Discussant:** John G. Byrne, MD

#### **2. A Prospective Controlled Trial of Endobronchial Ultrasound-Guided Transbronchial Needle Aspiration Compared to Mediastinoscopy for Mediastinal Lymph Node Staging of Lung Cancer**

Kazuhiro Yasufuku<sup>+</sup>, Andrew Pierre<sup>1</sup>, Gail E. Darling<sup>+</sup>, Marc de Perrot<sup>+</sup>, Thomas K. Waddell<sup>+</sup>, Michael R. Johnston<sup>+</sup>, Gilda D. Santos<sup>2</sup>, William R. Geddie<sup>2</sup>, Scott Boerner<sup>2</sup>, Shaf Keshavjee<sup>+</sup>

*1. Division of Thoracic Surgery, Toronto General Hospital, University Health Network, University of Toronto, Toronto, ON, Canada. 2. Department of Pathology, Toronto General Hospital, University Health Network, University of Toronto, Toronto, ON, Canada.*

**Invited Discussant:** Joel D. Cooper, MD

#### **3. Intra-Operative Adverse Events Can Be Compensated in Infants After Cardiac Surgery: A Prospective Study**

Meena Nathan<sup>1</sup>, John M. Karamichalis<sup>1</sup>, Hua Liu<sup>1</sup>, Pedro J. del Nido<sup>+</sup>, Frank A. Pigula<sup>+</sup>, Ravi Thiagarajan<sup>1</sup>, Emile A. Bacha<sup>+</sup><sup>2</sup>

*1. Cardiac Surgery, Children's Hospital Boston, Boston, MA, United States. 2. Cardiac Surgery, Morgan Stanley Children's Hospital of New York, New York, NY, United States.*

**Invited Discussant:** Marc R. de Leval, MD

MONDAY

<sup>+</sup>AATS Member



**4. On-Pump vs. Off-Pump Coronary Artery Bypass Surgery in High-Risk Patients: Operative Results of a Prospective Randomized Trial (On-Off Study)**

Massimo Lemma<sup>1</sup>, Enrico Coscioni<sup>2</sup>, Francesco P. Tritto<sup>3</sup>, Paolo Centofanti<sup>4</sup>, Corrado Fondacone<sup>5</sup>, Andrea Salica<sup>6</sup>, Monica Contino<sup>1</sup>, Agnese Rossi<sup>7</sup>, Tiziana De Santo<sup>7</sup>, Giuseppe Di Benedetto<sup>2</sup>, Luigi Piazza<sup>3</sup>, Mauro Rinaldi<sup>4</sup>, Luigi De Luca Tupputi Schinosa<sup>5</sup>, Ruggero De Paulis<sup>+6</sup>, Michele Genoni<sup>8</sup>

1. Cardiac Surgery, Luigi Sacco University Hospital, Milano, Italy. 2. Cardiac Surgery, S. Giovanni di Dio e Ruggi d'Aragona General University Hospital, Salerno, Italy. 3. Cardiac Surgery, S. Anna e S. Sebastiano Hospital, Caserta, Italy. 4. Cardiac Surgery, S. Giovanni Battista University General Hospital, Torino, Italy. 5. Cardiac Surgery, Bari University Hospital, Bari, Italy. 6. Cardiac Surgery, European Hospital, Roma, Italy. 7. Cardiovascular, Medtronic Inc., Milano, Italy. 8. Cardiac Surgery, City Hospital of Zurich, Zurich, Switzerland.

**Invited Discussant:** Bruce W. Lytle, MD

**9:05 a.m.**

**AWARD PRESENTATIONS**

**Scientific Achievement Award**

Marc R. de Leval, MD

International Congenital Cardiac Centre

**C. Walton Lillehei Resident Forum Award**

**TSRA McGoon Award**

**TSFRE Report**

**9:20 a.m.**

**INTERMISSION – VISIT EXHIBITS/COFFEE BREAK**

*Exhibit Hall A*

**10:00 a.m.**

**BASIC SCIENCE LECTURE**

**“Public Support of Biomedical Research”**

Susan B. Shurin, MD

National Heart, Lung and Blood Institute, NIH

**Introduced By:** Irving L. Kron, MD



10:40 a.m.

**PLENARY SCIENTIFIC SESSION**

**Moderators:** Craig R. Smith, MD  
Thoralf M. Sundt, III, MD

**5. Institutional Volume Modifies the Effect of Recipient Risk on Short-Term Mortality for Patients Receiving Orthotopic Heart Transplantation**

George J. Arnaoutakis<sup>1</sup>, Timothy J. George<sup>1</sup>, Stuart D. Russell<sup>2</sup>,  
Ashish S. Shah<sup>+1</sup>, John V. Conte<sup>+1</sup>, Eric S. Weiss<sup>1</sup>

*1. Division of Cardiac Surgery, The Johns Hopkins Hospital, Baltimore, MD, United States. 2. Division of Cardiology, The Johns Hopkins Medical Institutions, Baltimore, MD, United States.*

**Invited Discussant:** R. Duane Davis, MD

**6. Expanding the Indications for Septal Myectomy in Patients with Hypertrophic Cardiomyopathy: Results of Operation in Patients with Latent Obstruction**

Hartzell V. Schaff<sup>+</sup>, Joseph A. Dearani<sup>+</sup>, Steve R. Ommen, Paul Sorajja,  
Rick A. Nishimura

*Mayo Clinic, Rochester, MN, United States.*

**Invited Discussant:** Ralph J. Damiano, Jr., MD

11:25 a.m.

**PRESIDENTIAL ADDRESS:**

**"Surgical Mentoring"**

Irving L. Kron, MD  
University of Virginia

**Introduced By:** Craig R. Smith, MD

12:15 p.m.

**ADJOURN FOR LUNCH – VISIT EXHIBITS**

*Exhibit Hall A*

MONDAY

<sup>+</sup>AATS Member



## MONDAY, MAY 9, 2011

1:00 p.m.

### **Building the Hybrid OR of the Future<sup>®</sup>\***

*108 AB, Pennsylvania Convention Center*

**Chairs:** Raphael Bueno, MD  
Brigham and Women's Hospital  
John Byrne, MD  
Vanderbilt Heart & Vascular Institute

1:00 p.m. – 1:05 p.m.

### **Opening Remarks**

1:05 p.m. – 1:25 p.m.

### **How to Convince Your Hospital Administrators to Fund a Hybrid OR**

Joseph E. Bavaria, MD  
University of Pennsylvania

1:25 p.m. – 1:45 p.m.

### **How to Put the Team Together**

Steven J. Hoff, MD  
Vanderbilt Heart & Vascular Institute

1:45 p.m. – 2:05 p.m.

### **Pitfalls & Lessons Learned**

Raphael Bueno, MD  
Brigham and Women's Hospital

2:05 p.m. – 2:25 p.m.

### **What Determines Success vs. Failure?**

Michael J. Mack, MD  
Baylor Health Care System

2:25 p.m. – 2:45 p.m.

### **Where Does the Hybrid OR Fit in a World of Value Based Reimbursement?**

John R. Doty, MD  
Intermountain Medical Center

2:45 p.m. – 3:05 p.m.

### **BREAK**

3:05 p.m. – 3:25 p.m.

### **Hybrid Organization: The Cardiologist Is your Friend (Really)**

John G. Byrne, MD  
Vanderbilt Heart & Vascular Institute

3:25 p.m. – 3:45 p.m.

### **Case Presentation: Cardiac Procedure**

Wilson Y. Szeto, MD  
University of Pennsylvania

3:45 p.m. – 4:05 p.m.

### **Case Presentation: TEVAR Endovascular Case**

Eric E. Roselli, MD  
Cleveland Clinic

\* This session is not accredited.





4:05 p.m. – 4:25 p.m.

**Case Presentation: Robotic Hybrid CABG/PCI Case**

Mark Vesely, MD  
University of Maryland Heart Center

4:25 p.m. – 5:30 p.m.

**Building the ICU of the Future**

Neil A. Halpern, MD  
Memorial Sloan-Kettering Cancer Center  
  
Robert N. Sladen, MD  
Columbia University

5:30 p.m.

**ADJOURN**

## SIMULTANEOUS SCIENTIFIC SESSIONS

2:00 p.m.

**ADULT CARDIAC SURGERY  
SIMULTANEOUS SCIENTIFIC SESSION**

*Ballroom AB, Pennsylvania Convention Center  
(8 minutes presentation, 12 minutes discussion)*

**Moderators:** Ottavio R. Alfieri, MD  
R. Morton Bolman, III, MD

**7. Angiographic Predictors of Three Years Patency of Bypass Grafts Implanted to the Right Coronary Artery: A Prospective Randomized Comparison of Gastroepiploic Artery, Saphenous Vein Grafts and Right ITA**

David Glineur, William D'hoore, Claude Hanet, Laurent de Kerchove, Parla Astarci, Philippe Noirhomme, Gebrine El Khoury<sup>+</sup>  
*Cliniques Universitaire St-Luc, Bruxelles, Belgium.*

**Invited Discussant:** Joseph F. Sabik, III, MD

**8. Mitral Valve Surgery in Patients with Ischemic Cardiomyopathy and Mitral Regurgitation: The Impact of Repair vs. Replacement**

Simon Maltais, Hartzell V. Schaff<sup>+</sup>, Richard C. Daly<sup>+</sup>, Thoralf M. Sundt, III<sup>+</sup>, Joseph A. Dearani<sup>+</sup>, Rakesh M. Suri, Harold M. Burkhart<sup>+</sup>, Kevin L. Greason, Yan Topilsky, Soon J. Park<sup>+</sup>  
*Division of Cardiovascular Surgery, Mayo Clinic College of Medicine, Rochester, MN, United States.*

**Invited Discussant:** Patrick M. McCarthy, MD

MONDAY

<sup>+</sup>AATS Member



**9. Prophylactic Tricuspid Annuloplasty in Patients with Dilated Tricuspid Annulus Undergoing Mitral Valve Surgery**

Umberto Benedetto, Giovanni Melina, Emiliano Angeloni, Antonino Roscitano, Riccardo Sinatra

*Cardiac Surgery, University of Rome, Rome, Italy.*

**Invited Discussant:** W. Randolph Chitwood, Jr., MD

**3:00 p.m. INTERMISSION – VISIT EXHIBITS/COFFEE BREAK**  
*Exhibit Hall A*

**3:35 p.m. ADULT CARDIAC SURGERY  
SIMULTANEOUS SCIENTIFIC SESSION**  
*Ballroom AB, Pennsylvania Convention Center*

**Moderators:** Ottavio R. Alfieri, MD  
R. Morton Bolman, III, MD

**10. Trends in Isolated Coronary Artery Bypass Grafting: An Analysis of the STS Adult Cardiac Surgery Database**

Andrew W. ElBardissi, James S. Gammie<sup>+</sup>, Shubin Sheng, Sean M. O'Brien, Caprice Greenberg, Sary F. Aranki<sup>+</sup>

*Department of Surgery, Brigham and Women's Hospital, Boston, MA, United States.*

**Invited Discussant:** T. Bruce Ferguson, Jr., MD

**11. Robotic Mitral Valve Repair for All Prolapse Subsets Using Techniques Identical to Open Valvuloplasty: Establishing the Benchmark Against Which Percutaneous Interventions Should Be Judged**

Rakesh M. Suri, Harold M. Burkhart<sup>+</sup>, Richard C. Daly<sup>+</sup>, Thoralf M. Sundt, III<sup>+</sup>, Joseph A. Dearani<sup>+</sup>, Soon J. Park<sup>+</sup>, Zhuo Li, Maurice Enriquez-Sarano, Hartzell V. Schaff<sup>+</sup>

*Cardiovascular Surgery, Mayo Clinic, Rochester, MN, United States.*

**Invited Discussant:** Lawrence H. Cohn, MD

**12. Continue Biatrial Pacing to Prevent Early Recurrence of Atrial Fibrillation After Maze Procedure**

William Wang<sup>1</sup>, Donald Buehler<sup>1</sup>, Xiao Dong Feng<sup>2</sup>, ChuiYe Zhang<sup>2</sup>

*1. Department of Cardiothoracic Surgery, Scripps Memorial Hospital, La Jolla, CA, United States. 2. Department of Cardiac Surgery, Shanxi Cardiovascular Hospital, Taiyuan, Shanxi, China.*

**Invited Discussant:** Michael Argenziano, MD



**13. Effect of Sensitization in U.S. Bridge to Transplant Patients: Update in a Modern Cohort**

George J. Arnaoutakis<sup>1</sup>, Timothy J. George<sup>1</sup>, Arman Kilic<sup>1</sup>, Stuart D. Russell<sup>2</sup>, John V. Conte<sup>+1</sup>, Ashish S. Shah<sup>+1</sup>

1. Division of Cardiac Surgery, The Johns Hopkins Hospital, Baltimore, MD, United States. 2. Cardiology, The Johns Hopkins Medical Institutions, Baltimore, MD, United States.

**Invited Discussant:** Carmelo A. Milano, MD

**5:00 p.m. – 6:15 p.m.**

**Coronary Artery Disease in 2011 and Beyond—What the Surgeon Needs to Know About Three Year Syntax Outcomes, Other Randomized Controlled Trials in CAD and the New CABG Guidelines**

Ballroom AB, Pennsylvania Convention Center

**Moderator:** John D. Puskas, MD  
Emory University

**6:15 p.m.**

**ADJOURN**

**2:00 p.m.**

**CONGENITAL HEART DISEASE  
SIMULTANEOUS SCIENTIFIC SESSION**

201 ABC, Pennsylvania Convention Center  
(8 minutes presentation, 12 minutes discussion)

**Moderators:** Emile A. Bacha, MD  
V. Mohan Reddy, MD

**14. Anatomical Repair for Congenitally Corrected Transposition of the Great Arteries: Mid-Term Results of a Single Institution, 18-Year Experience**

Bari Murtuza<sup>1</sup>, Donna Eaton<sup>1</sup>, Oliver Stumper<sup>2</sup>, John Stickley<sup>1</sup>, Timothy J. Jones<sup>1</sup>, David J. Barron<sup>1</sup>, William J. Brawn<sup>1</sup>

1. Cardiac Surgery, Birmingham Children's Hospital, Birmingham, United Kingdom. 2. Cardiology, Birmingham Children's Hospital, Birmingham, United Kingdom.

**Invited Discussant:** Richard A. Jonas, MD

**15. Effect of Normothermic Cardiopulmonary Bypass on Renal Injury in Pediatric Cardiac Surgery: A Randomized Controlled Trial**

Massimo Caputo<sup>1,2</sup>, Nishith N. Patel<sup>1</sup>, Chris Rogers<sup>1</sup>, Paolo de Siena<sup>2</sup>, Serban Stoica<sup>2</sup>, Gianni D. Angelini<sup>+1</sup>, Andrew Parry<sup>2</sup>

1. Bristol Heart Institute, University of Bristol, Bristol Royal Infirmary, Bristol, United Kingdom. 2. Pediatric Cardiac Surgery, University Hospitals Bristol NHS Foundation Trust, Bristol Royal Hospital for Children, Bristol, United Kingdom.

**Invited Discussant:** Richard G. Ohye, MD

<sup>+</sup>AATS Member



**16. Arterial Switch Operation in the First Hours of Life Using Autologous Umbilical Cord Blood**

K. Chasovskiy<sup>1</sup>, O. Fedevych<sup>2</sup>, G. Vorobiova<sup>3</sup>, V. Zhovnir<sup>4</sup>, A. Maksimenko<sup>2</sup>, O. Boychenko<sup>5</sup>, J. Lysak<sup>1</sup>, G. Cohen<sup>6</sup>, I. Yemets<sup>2</sup>

1. *Perfusiology, Ukrainian Children's Cardiac Center, Kyiv.* 2. *Surgery, Ukrainian Children's Cardiac Center, Kyiv.* 3. *Immunology, Ukrainian Children's Cardiac Center, Kyiv.* 4. *Intensive Care, Ukrainian Children's Cardiac Center, Kyiv.* 5. *Anesthesiology, Ukrainian Children's Cardiac Center, Kyiv.* 6. *Surgery, Seattle Children's Hospital, USA.*

**Invited Discussant:** Ralph S. Mosca, MD

**17. Outcome of Size Disparity of Transplanted Hearts on Cardiac Growth in Infants and Children**

Eva Maria Delmo Walter, Roland Hetzer<sup>+</sup>

*Deutsches Herzzentrum Berlin, Berlin, Germany.*

**Invited Discussant:** Charles B. Huddleston, MD

**3:20 p.m.**

**INTERMISSION – VISIT EXHIBITS/COFFEE BREAK**

*Exhibit Hall A*

**3:55 p.m.**

**CONGENITAL HEART DISEASE  
SIMULTANEOUS SCIENTIFIC SESSION**

*201 ABC, Pennsylvania Convention Center*

**Moderators:** Emile A. Bacha, MD  
V. Mohan Reddy, MD

**18. Very Low Birth Weight Infants with Congenital Cardiac Lesions: Is There Merit in Delaying Intervention to Permit Growth and Maturation?**

Edward J. Hickey<sup>1</sup>, Yaroslava Nosikova<sup>1</sup>, Hargen Zhang<sup>1</sup>, Alyssa Parpia<sup>1</sup>, Johann Lue<sup>1</sup>, Christopher A. Caldarone<sup>+1</sup>, Lee Benson<sup>2</sup>, Andrew N. Redington<sup>2</sup>, Glen Van Arsdel<sup>+1</sup>

1. *Cardiovascular Surgery, The Hospital for Sick Children, Toronto, ON, Canada.*

2. *Cardiology, The Hospital for Sick Children, Toronto, ON, Canada.*

**Invited Discussant:** Scott M. Bradley, MD

**19. Outcomes in Adult Congenital Heart Surgery: Analysis of the Society of Thoracic Surgeons (STS) Congenital Heart Surgery Database**

Christopher E. Mascio<sup>1</sup>, Sara K. Pasquali<sup>2</sup>, Jeffrey P. Jacobs<sup>+3</sup>, Gregory Shook<sup>2</sup>, Marshall L. Jacobs<sup>+4</sup>, Erle H. Austin<sup>+1</sup>

1. *University of Louisville, Louisville, KY, United States.* 2. *Duke University, Durham, NC, United States.* 3. *University of South Florida, Tampa, FL, United States.* 4. *Cleveland Clinic Foundation, Cleveland, OH, United States.*

**Invited Discussant:** Joseph A. Dearani, MD



**20. The Effect of Morphology on Outcomes Following the Sano-Norwood Procedure: A Comparative Study of 264 Patients**

Bari Murtuza<sup>1</sup>, Douglas Wall<sup>1</sup>, Oliver Stumper<sup>2</sup>, John Stickley<sup>1</sup>,  
Timothy J. Jones<sup>1</sup>, David J. Barron<sup>1</sup>, William J. Brawn<sup>1</sup>

1. Cardiac Surgery, Birmingham Children's Hospital, Birmingham, United Kingdom. 2. Cardiology, Birmingham Children's Hospital, Birmingham, United Kingdom.

**Invited Discussant:** Charles D. Fraser, Jr., MD

**5:00 p.m.**

**Coronary Artery Disease in 2011 and Beyond—What the Surgeon Needs to Know About Three Year Syntax Outcomes, Other Randomized Controlled Trials in CAD and the New CABG Guidelines**

Ballroom AB, Pennsylvania Convention Center

**Moderator:** John D. Puskas, MD  
Emory University

**6:15 p.m.**

**ADJOURN**

**2:00 p.m.**

**GENERAL THORACIC SURGERY  
SIMULTANEOUS SCIENTIFIC SESSION**

204 ABC, Pennsylvania Convention Center  
(8 minutes presentation, 12 minutes discussion)

**Moderators:** Bryan F. Meyers, MD, MPH  
Joseph B. Shrager, MD

**21. Randomized Comparison of Awake Nonresectional vs. Nonawake Resectional Lung Volume Reduction Surgery**

Eugenio Pompeo<sup>+1</sup>, Federico Tacconi<sup>1</sup>, Mario Dauri<sup>2</sup>, Paola Rogliani<sup>3</sup>,  
Cesare Saltini<sup>3</sup>, Giuseppe Novelli<sup>4</sup>, Tommaso C. Mineo<sup>1</sup>

1. Cattedra di Chirurgia Toracica, Policlinico Universitario Tor Vergata, Rome, Italy. 2. Anesthesiology, Tor Vergata University, Rome, Italy. 3. Pneumology, Tor Vergata University, Rome, Italy. 4. Biopathology and Diagnostic Imaging, Tor Vergata University, Rome, Italy.

**Invited Discussant:** Bryan F. Meyers, MD, MPH

MONDAY

<sup>+</sup>AATS Member



**22. A Phase II Trial of Surgical Resection Following Neoadjuvant Concurrent Chemotherapy and High Dose Radiotherapy for Stage III NSCLC: RTOG 0229**

Mark J. Krasna<sup>+1</sup>, Rebecca Paulus<sup>3</sup>, Mohan Suntharalingam<sup>2</sup>, Martin Edelman<sup>2</sup>, Whitney Burrows<sup>2</sup>, Elizabeth Gore<sup>5</sup>, Sue S. Yom<sup>6</sup>, Hok Choy<sup>4</sup>

1. St. Joseph's Medical Center, Towson, MD, United States. 2. Greenebaum Cancer Center, University of Maryland, Baltimore, MD, United States. 3. RTOG Statistical Center, Philadelphia, PA, United States. 4. University of Texas Southwestern Medical School, Dallas, TX, United States. 5. Medical College of Wisconsin, Milwaukee, WI, United States. 6. University of California San Francisco, San Francisco, CA, United States.

**Invited Discussant:** Marc de Perrot, MD, MSC

**23. Outcome of Patients with Pulmonary Arterial Hypertension Referred for Lung Transplantation – A 14-Year Single-Center Experience**

Marc de Perrot<sup>+1,2</sup>, John Granton<sup>2,3</sup>, Karen McRae<sup>2</sup>, Andrew Pierre<sup>1,2</sup>, Lianne Singer<sup>2</sup>, Thomas K. Waddell<sup>+1,2</sup>, Shaf Keshavjee<sup>+1,2</sup>

1. Thoracic Surgery, Toronto General Hospital, Toronto, ON, Canada. 2. Toronto Lung Transplant Program, Toronto General Hospital, Toronto, ON, Canada. 3. Pulmonary Hypertension Program, Toronto General Hospital, Toronto, ON, Canada.

**Invited Discussant:** Kenneth R. McCurry, MD

**24. Efficacy of Low-Dose Human Atrial Natriuretic Peptide on Postoperative Cardio-Pulmonary Complications in Elderly Patients Undergoing Pulmonary Resection for Lung Cancer**

Takashi Nojiri<sup>1</sup>, Masayoshi Inoue<sup>1</sup>, Masato Minami<sup>1</sup>, Noriyoshi Sawabata<sup>1</sup>, Yoshihisa Kadota<sup>1</sup>, Yasushi Shintani<sup>1</sup>, Tomoyuki Nakagiri<sup>1</sup>, Kazuhiro Yamamoto<sup>2</sup>, Hajime Maeda<sup>3</sup>, Yukiyasu Takeuchi<sup>3</sup>, Yasunobu Funakoshi<sup>3</sup>, Meinoshin Okumura<sup>1</sup>

1. General Thoracic Surgery, Osaka University Graduate School of Medicine, Suita-City, Osaka, Japan. 2. Cardiology, Osaka University Graduate School of Medicine, Suita-City, Osaka, Japan. 3. General Thoracic Surgery, National Toneyama Hospital, Toyonaka-City, Osaka, Japan.

**Invited Discussant:** Mark K. Ferguson, MD

**3:20 p.m.**

**INTERMISSION – VISIT EXHIBITS/COFFEE BREAK**

*Exhibit Hall A*



3:55 p.m.

**GENERAL THORACIC SURGERY  
SIMULTANEOUS SCIENTIFIC SESSION**

**Moderators:** Bryan F. Meyers, MD, MPH  
Joseph B. Shrager, MD

**25. The Optimization of Mediastinal Staging in Potential Candidates for Stereotactic Radiosurgery of the Chest**

Devadatta Sarwate<sup>2</sup>, Constantine M. Burgan<sup>2</sup>, William S. Krimsky<sup>1,2</sup>,  
Kalpesh Patel<sup>2</sup>, Saiyad Sarkar<sup>1,2</sup>, Daniel P. Harley<sup>1</sup>

1. Thoracic Surgery, Franklin Square Hospital, Baltimore, MD, United States.

2. Pulmonary Medicine, Franklin Square Hospital, Baltimore, MD, United States.

**Invited Discussant:** Richard I. Whyte, MD

**26. Pulmonary Artery Reconstruction for Lung Cancer: Surgical Techniques and Long-Term Results**

Domenico Galetta, Piergiorgio Solli, Alessandro Borri, Roberto I. Gasparri,  
Francesco Petrella, Lorenzo Spaggiari

Division of Thoracic Surgery, European Institute of Oncology, Milan, Italy.

**Invited Discussant:** Scott J. Swanson, MD

**27. Neoadjuvant Chemoradiation Followed by Surgery for Esophageal Adenocarcinoma: Significance of Microscopically Positive Circumferential Margins**

John A. Harvin, Guy Lahat, Arlene M. Correa, Jared J. Lee, Dipen Maru,  
Jaffer A. Ajani, Edith M. Marom, James Welsh, Garrett L. Walsh<sup>+</sup>, Jack A.  
Roth<sup>+</sup>, Reza J. Mehran<sup>+</sup>, Ara A. Vaporciyan<sup>+</sup>, David C. Rice<sup>+</sup>, Stephen G. Swisher<sup>+</sup>,  
Wayne L. Hofstetter

Department of Thoracic and Cardiovascular Surgery, University of Texas M.D.  
Anderson Cancer Center, Houston, TX, United States.

**Invited Discussant:** Gail E. Darling, MD

MONDAY

<sup>+</sup>AATS Member



5:00 p.m.

**Late Breaking Session:**

**Coronary Artery Disease in 2011 and Beyond—What the Surgeon Needs to Know About Three Year Syntax Outcomes, Other Randomized Controlled Trials in CAD and the New CABG Guidelines**

*Ballroom AB, Pennsylvania Convention Center*

**Moderator:** John D. Puskas, MD  
Emory University

5:00 p.m. – 5:10 p.m.

**The Syntax Trial 3-Year Outcomes: Cardiologist's Perspective**

Martin B. Leon, MD  
Columbia University Medical Center/Cardiovascular Research Foundation

5:10 p.m. – 5:15 p.m.

**Questions**

5:15 p.m. – 5:25 p.m.

**The Syntax Trial 3-Year Outcomes: Surgeon's Perspective**

Michael J. Mack, MD  
Baylor Health Care System

5:25 p.m. – 5:30 p.m.

**Questions**

5:30 p.m. – 5:40 p.m.

**Why Randomized Trials in CAD Are Important to Surgeons and How to Discuss Them with Your Cardiologists**

John D. Puskas, MD  
Emory University

5:40 p.m. – 5:45 p.m.

**Questions**

5:45 p.m. – 5:55 p.m.

**Why the New European Guidelines for the Management of Coronary Artery Disease Are Important to All Cardiac Surgeons**

A. Pieter Kappetein, MD, PhD  
Erasmus MC

5:55 p.m. – 6:00 p.m.

**Questions**

6:00 p.m. – 6:10 p.m.

**The EXCEL Trial—The Natural Extension of the Syntax Trial**

Joseph F. Sabik, III, MD  
Cleveland Clinic

6:10 p.m. – 6:15 p.m.

**Questions**

6:15 p.m.

**ADJOURN**





## TUESDAY, MAY 10, 2011

7:00 a.m.

### CARDIAC SURGERY FORUM SESSION

Ballroom AB, Pennsylvania Convention Center  
(5 minutes presentation, 5 minutes discussion)

**Moderators:** R. Duane Davis, MD  
Y. Joseph Woo, MD

**F1. Enhanced Cell-Matrix Interface Proteolytic Activity in Thoracic Aortic Aneurysms: Relationship to Aneurysm Expansion**

Jeffrey A. Jones<sup>1,2</sup>, Elizabeth O'Quinn<sup>1</sup>, Robert E. Stroud<sup>1</sup>, Joseph E. Bavaria<sup>+3</sup>, Joseph H. Gorman<sup>+3</sup>, Robert C. Gorman<sup>+3</sup>, Francis G. Spinale<sup>+1,2</sup>, John S. Ikonomidis<sup>+1</sup>

1. Medical University of SC, Charleston, SC, United States. 2. Division of Cardiothoracic Surgery, Ralph H. Johnson Veterans Affairs Medical Center, Charleston, SC, United States. 3. Department of Cardiothoracic Surgery, University of Pennsylvania, Philadelphia, PA, United States.

**Invited Discussant:** Gorav Ailawadi, MD

**F2. Metabolic Characteristics of Human Hearts Preserved for 12 Hours By Static Storage, Antegrade Perfusion or Retrograde Coronary Sinus Perfusion**

Matthias Peltz<sup>1</sup>, Michael L. Cobert<sup>1</sup>, Matthew E. Merritt<sup>2</sup>, LaShondra M. West<sup>1</sup>, Michael E. Jessen<sup>+1</sup>

1. Cardiovascular and Thoracic Surgery, University of Texas Southwestern Medical Center at Dallas, Dallas, TX, United States. 2. Advanced Imaging Research Center, University of Texas Southwestern Medical Center at Dallas, Dallas, TX, United States.

**Invited Discussant:** Bruce R. Rosengard, MD

**F3. Novel Regenerative Therapy Using Cell-Sheet Covered with Omentum Flap to Deliver Huge Numbers of Cells in a Porcine Myocardial Infarction Model**

Yasuhiro Shudo, Shigeru Miyagawa, Atsuhiko Saito, Taichi Sakaguchi, Satoshi Kainuma, Toru Kuratani, Yoshiki Sawa

Department of Cardiovascular Surgery, Osaka University Graduate School of Medicine, Suita, Osaka, Japan.

**Invited Discussant:** Vivek Rao, MD, PhD

**F4. Association of Stem Cells with a Biological Scaffold and Ventricular Constraint Device for Ischemic Cardiomyopathy**

Abdel Shafy<sup>1</sup>, Trine Fink<sup>2</sup>, Vladimir Zachar<sup>2</sup>, Nermine Lila<sup>1</sup>, Alain F. Carpentier<sup>+1</sup>, Juan C. Chachques<sup>+1</sup>

1. Cardiovascular Surgery, Pitié-Salpêtrière Hospital, Paris, France. 2. Laboratory for Stem Cell Research, Aalborg University, Aalborg, Denmark.

**Invited Discussant:** Robert C. Robbins, MD

<sup>+</sup>AATS Member



**F5. Evaluation of the Use of an iPS Cell Sheet for the Construction of Tissue-Engineered Vascular Grafts**

Narutoshi Hibino, Daniel R. Duncan, Ani Nalbandian, Dane Mejias, Lesley Devine, Tai Yi, Yuji Naito, Yibing Qyang, Christopher Breuer, Toshiharu Shinoka\*

*Surgery, Yale University, New Haven, CT, United States.*

**Invited Discussant:** John E. Mayer, Jr., MD

**F6. A Novel Mechanism of Action of Transmyocardial Revascularization: Induction of Mesenchymal Stem Cell Transmigration and Engraftment Via Upregulation of Stem Cell Factor and Stromal Derived Factor-1**

Terrence M. Yau<sup>+</sup>, Uswa Shahzad, Guangming Li, Yaoguang Zhang  
*Toronto General Hospital, Toronto, ON, Canada.*

**Invited Discussant:** Keith A. Horvath, MD

**F7. Sildenafil Citrate, a Phosphodiesterase-5 Inhibitor, Prevents Post Cardiopulmonary Bypass Acute Kidney Injury**

Nishith N. Patel<sup>1</sup>, Tibor Toth<sup>2</sup>, Ceri Jones<sup>1</sup>, Hua Lin<sup>1</sup>, Paramita Ray<sup>3</sup>, Sarah J. George<sup>1</sup>, Gavin I. Welsh<sup>4</sup>, Simon C. Satchell<sup>4</sup>, Gianni D. Angelini<sup>+1</sup>, Gavin J. Murphy<sup>1</sup>

*1. Bristol Heart Institute, University of Bristol, Bristol Royal Infirmary, Bristol, United Kingdom. 2. Histopathology, North Bristol NHS Trust, Southmead Hospital, Bristol, United Kingdom. 3. Anesthesia and Critical Care, Weston General Hospital, Weston Super Mare, United Kingdom. 4. Academic Renal Unit, University of Bristol, Southmead Hospital, Bristol, United Kingdom.*

**Invited Discussant:** Jennifer S. Lawton, MD

**F8. Selective microRNA Induction with Progressive Aortic Stenosis: Relation to Profibrotic Pathways**

William M. Yarbrough<sup>1,2</sup>, Rupak Mukherjee<sup>1</sup>, Robert E. Stroud<sup>1</sup>, William T. Rivers<sup>1</sup>, Richard A. McKinney<sup>1</sup>, Jennifer A. Dixon<sup>1</sup>, Shaina R. Eckhouse<sup>1</sup>, John S. Ikonomidis<sup>+1,2</sup>, Francis G. Spinale<sup>+1,2</sup>

*1. Medical University of SC, CT Surgery, Charleston, SC, United States. 2. Ralph H. Johnson Veterans' Association, Charleston, SC, United States.*

**Invited Discussant:** Joseph D. Schmoker, MD

**F9. Reversible Pulmonary Trunk Banding—VI:Glucose-6-Phosphate Dehydrogenase Activity in Rapid Ventricular Hypertrophy of Young Goats**

Renato S. Assad<sup>1</sup>, Fernando A. Atik<sup>2</sup>, Fernanda Oliveira<sup>1</sup>, Miriam Alaniz<sup>1</sup>, Maria C. Abduch<sup>1</sup>, Gustavo Justo<sup>1</sup>, Jose E. Krieger<sup>1</sup>, Noedir Stolf<sup>1</sup>

*1. Cardiovascular Surgery, Heart Institute, University of Sao Paulo Medical School, Sao Paulo, SP, Brazil. 2. Cardiovascular Surgery, Instituto de Cardiologia do Distrito Federal, Brasilia, DF, Brazil.*

**Invited Discussant:** William J. Brawn, MD

<sup>+</sup>AATS Member





**F10. Levosimendan Is Superior to Epinephrine in Improving Myocardial Function After Cardiopulmonary Bypass (CPB) with Deep Hypothermic Circulatory Arrest in Rats**

Alessio Rungatscher, Daniele Linardi, Mohammed Morjan, Matteo Ortolani, Maddalena Tessari, Tiziano Menon, Alessandro Mazzucco, Giuseppe G. Faggian<sup>†</sup>  
*Department of Surgery, Division of Cardiac Surgery, University of Verona, Verona, Italy.*

**Invited Discussant:** Paul M. Kirshbom, MD

**7:00 a.m.**

**GENERAL THORACIC SURGERY FORUM SESSION**

*204 ABC, Pennsylvania Convention Center*

(5 minutes presentation, 5 minutes discussion)

**Moderators:** Yolonda L. Colson, MD, PhD  
Thomas K. Waddell, MD

**F11. Comparison Between Epidermal Growth Factor Receptor (EGFR) Gene Expression in Primary Non-Small Cell Lung Cancer (NSCLC) and in the Corresponding Recurrent Lung Tumor**

Peng Zhang, Geing Jiang  
*Shanghai Pulmonary Hospital of Tongji University, Shanghai, China.*

**Invited Discussant:** Raphael Bueno, MD

**F12. A Novel Diagnostic Method of Non-Small Cell Lung Cancer Using Multiplexed Bead-Based Serum Biomarker Profiling**

Hyun Joo Lee<sup>1,3</sup>, Young T. Kim<sup>1,2</sup>, Pil Je Park<sup>4</sup>, Hyun Cho Wi<sup>1</sup>, Yong Sung Shin<sup>4</sup>, Yoo Jin Jung<sup>1</sup>, Kyung Nam Kang<sup>4</sup>, Youngdai Kim<sup>5</sup>, Chul Woo Kim<sup>6</sup>

*1. Department of Molecular Oncology, Cancer Research Institute, Seoul National University Graduate School of Medicine, Seoul, Korea, Republic of. 2. Department of Thoracic and Cardiovascular Surgery, Clinical Research Institute, Seoul National University Hospital, Seoul, Korea, Republic of. 3. National Evidence-based Healthcare Collaborating Agency, Seoul, Korea, Republic of. 4. BiInfra Inc., Cancer Research Institute, Seoul National University College of Medicine, Seoul, Korea, Republic of. 5. Statistics, Seoul National University, Seoul, Korea, Republic of. 6. Pathology, Cancer Research Institute, Tumor Immunity Medical Research Center, Seoul National University College of Medicine, Seoul, Korea, Republic of.*

**Invited Discussant:** Daniel Kreisel, MD, PhD

TUESDAY

- F13. NSCLC Gene Profiles Correlate with Specific CT Characteristics: “Imageomics”**  
Chuong D. Hoang<sup>1</sup>, Sandy Napel<sup>2</sup>, Olivier Gevaert<sup>2</sup>, Yue Xu<sup>1</sup>, Daniel Rubin<sup>2</sup>, Ann Leung<sup>2</sup>, Andrew Quon<sup>2</sup>, Robert E. Merritt<sup>1</sup>, Richard I. Whyte<sup>+1</sup>, Joseph B. Shrager<sup>+1</sup>, Sylvia Plevritis<sup>2</sup>  
1. Cardiothoracic Surgery, Stanford University, Stanford, CA, United States.  
2. Radiology, Stanford University, Stanford, CA, United States.  
**Invited Discussant:** David H. Harpole, Jr., MD
- F14. Interleukin 1 Beta Gene Expression in Peripheral Blood Mononuclear Cells as a Marker for Stage I Lung Cancer**  
Robert J. Korst<sup>+1</sup>, David H. Chang<sup>1</sup>, Leonard H. Augenlicht<sup>2</sup>, John Rutledge<sup>1</sup>, Benjamin E. Lee<sup>1</sup>  
1. Thoracic Surgery, Valley Health System, Paramus, NJ, United States.  
2. Oncology, Montefiore Medical Center, Bronx, NY, United States.  
**Invited Discussant:** Thomas K. Waddell, MD, MSc, PhD
- F15. Receptor for Advanced Glycation Endproducts (RAGE) Signaling Mediates Acute Hyperglycemic Exacerbation of Experimental Lung Ischemia-Reperfusion Injury**  
Damien J. LaPar, Ashish K. Sharma, Vanessa A. Hajzus, Sara A. Hennessy, Yunge Zhao, Christine L. Lau<sup>+</sup>, Victor E. Laubach, Irving L. Kron<sup>+</sup>  
Surgery, University of Virginia, Charlottesville, VA, United States.  
**Invited Discussant:** Michael S. Mulligan, MD
- F16. Neoadjuvant Tumor Vaccination Provides Superior Long-Term Outcomes for Thoracic Malignancies as Compared to Standard Adjuvant Protocols**  
Jarrod D. Predina<sup>1</sup>, Zvi G. Fridlender<sup>2</sup>, Brendan F. Judy<sup>1</sup>, Veena Kapoor<sup>1,2</sup>, Aaron Blouin<sup>1</sup>, Natalie Ridge<sup>1</sup>, Steven M. Albelda<sup>2</sup>, Sunil Singhal<sup>1</sup>  
1. Division of Thoracic Surgery, University of Pennsylvania School of Medicine, Philadelphia, PA, United States. 2. Division of Pulmonary, Allergy, and Critical Care, University of Pennsylvania School of Medicine, Philadelphia, PA, United States.  
**Invited Discussant:** A. Sasha Krupnick, MD
- F17. Ingenuity Pathway Analysis: Discovery of BRMS1 as a Novel Regulator of Epithelial-to-Mesenchymal Transition in NSCLC**  
Alykhan S. Nagji, Yuan Liu, Christina Wei, Aizhen Xiao, David R. Jones<sup>+</sup>  
Surgery, University of Virginia Health Systems, Charlottesville, VA, United States.  
**Invited Discussant:** Chadrick E. Denlinger, MD



**F18. Depletion of Polycomb Repressor Complex-2 Inhibits the Malignant Phenotype of Pleural Mesothelioma Cells In Vitro and In Vivo**

Clinton D. Kemp<sup>1</sup>, Mahadev Rao<sup>1</sup>, Julie A. Hong<sup>1</sup>, Mary Zhang<sup>1</sup>, Haresh Mani<sup>2</sup>, Patricia Fetsch<sup>2</sup>, R. Taylor Ripley<sup>1</sup>, Aarti Mathur<sup>1</sup>, Maocheng Yang<sup>1</sup>, Victor E. Marquez<sup>3</sup>, David S. Schrump<sup>+1</sup>

*1. Thoracic Oncology Section, Surgery Branch, Center for Cancer Research, National Cancer Institute, National Institutes of Health, Bethesda, MD, United States. 2. Laboratory of Pathology, National Cancer Institute, National Institutes of Health, Bethesda, MD, United States. 3. Laboratory of Medicinal Chemistry, National Cancer Institute, National Institutes of Health, Bethesda, MD, United States.*

**Invited Discussant:** William R. Smythe, MD

**F19. Prognostic Significance of Putative Cancer Stem Cell Marker Expression in a Lung Cancer Tissue Microarray**

Brendon M. Stiles<sup>1</sup>, Patrick Wagner<sup>1</sup>, Farooq M. Mirza<sup>1</sup>, Ding Cheng Gao<sup>1</sup>, Antonio Coppolino<sup>1</sup>, Raffaella Sordella<sup>2</sup>, Vivek Mittal<sup>1</sup>, Nasser K. Altorki<sup>+1</sup>

*1. Cardiothoracic Surgery, Weill Cornell Medical College, New York, NY, United States. 2. Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, United States.*

**Invited Discussant:** Robert J. Downey, MD

**F20. Intracavitary Chemotherapy for Treatment of Malignant Mesothelioma via Polymeric Nanoparticles**

Morgan D. Schulz<sup>1,5</sup>, Kimberly Ann V. Zubris<sup>2</sup>, Jacqueline E. Wade<sup>1</sup>, Robert F. Padera<sup>3,5</sup>, Xiaoyin Xu<sup>4,5</sup>, Mark W. Grinstaff<sup>2</sup>, Yolonda L. Colson<sup>+1,5</sup>

*1. Division of Thoracic Surgery, Brigham and Women's Hospital, Boston, MA, United States. 2. Departments of Chemistry and Biomedical Engineering, Boston University, Boston, MA, United States. 3. Department of Pathology, Brigham and Women's Hospital, Boston, MA, United States. 4. Department of Radiology, Brigham and Women's Hospital, Boston, MA, United States. 5. Harvard Medical School, Boston, MA, United States.*

**Invited Discussant:** Sunil Singhal, MD

TUESDAY

8:45 a.m.

**PLENARY SCIENTIFIC SESSION**

*Ballroom AB, Pennsylvania Convention Center*

(8 minutes presentation, 12 minutes discussion)

**Moderators:** Irving L. Kron, MD  
Thoralf M. Sundt, III, MD

**28. Clinical and Hemodynamic Outcomes of “All-Comers” Undergoing Trans-Apical Aortic Valve Implantation: Results from a National Registry**

Augusto D’Onofrio<sup>1</sup>, Paolo Rubino<sup>2</sup>, Melissa Fusari<sup>3</sup>, Loris Salvador<sup>4</sup>, Francesco Musumeci<sup>5</sup>, Mauro Rinaldi<sup>6</sup>, Ettore O. Vitali<sup>7</sup>, Mattia Glauber<sup>8</sup>, Roberto Di Bartolomeo<sup>9</sup>, Ottavio R. Alfieri<sup>+10</sup>, Elvio Polesel<sup>11</sup>, Marco Aiello<sup>12</sup>, Riccardo Casabona<sup>13</sup>, Ugo Livio<sup>+14</sup>, Claudio Grossi<sup>15</sup>, Mauro Cassese<sup>16</sup>, Aniello Pappalardo<sup>17</sup>, Tiziano Gherli<sup>18</sup>, Guglielmo Stefanelli<sup>19</sup>, Giuseppe G. Faggian<sup>+20</sup>, Gino Gerosa<sup>+1</sup>

1. Division of Cardiac Surgery, University of Padova, Padova, Italy. 2. Invasive Cardiology Laboratory, Cardiology Division, Clinica Montevergine, Mercogliano, Italy. 3. Department of Cardiovascular Sciences, Centro Cardiologico Monzino, IRCCS, University of Milan, Milan, Italy. 4. Division of Cardiac Surgery, San Bortolo Hospital, Vicenza, Italy. 5. Department of Cardiac Surgery, San Camillo Hospital, Rome, Italy. 6. Division of Cardiac Surgery, University of Turin, Turin, Italy. 7. Department of Cardiac Surgery, Humanitas Gavazzeni Hospital, Milan, Italy. 8. Department of Adult Cardiac Surgery, G. Pasquinucci Heart Hospital, Massa, Italy. 9. Department of Cardiac Surgery, University of Bologna, Bologna, Italy. 10. Department of Cardiac Surgery, San Raffaele University Hospital, Milan, Italy. 11. Venice Cardiac Surgery, Ospedale dell’Angelo, Venice-Mestre, Italy. 12. Division of Cardiac Surgery, IRCCS Foundation S. Matteo, Pavia, Italy. 13. Division of Cardiac Surgery, Ospedale Mauriziano Umberto I, Turin, Italy. 14. Cardio-Thoracic Department, S. Maria della Misericordia University Hospital, Udine, Italy. 15. Cardiovascular Department, S. Croce e Carle Hospital, Cuneo, Italy. 16. Division of Cardiac Surgery, Clinica S. Anna, Catanzaro, Italy. 17. Department of Cardiothoracic Surgery, Ospedali Riuniti, Trieste, Italy. 18. Division of Cardiac Surgery, University of Parma, Parma, Italy. 19. Department of Cardiac Surgery, Hesperia Hospital, Modena, Italy. 20. Division of Cardiac Surgery, University of Verona, Verona, Italy.

**Invited Discussant:** Lars G. Svensson, MD, PhD



**29. Expanded Polytetrafluoroethylene Valved Conduits and Patches with Bulging Sinuses in Right Ventricular Outflow Tract Reconstruction**

Takako Miyazaki<sup>1</sup>, Masaaki Yamagishi<sup>1</sup>, Masafumi Yashima<sup>1</sup>, Yoshinobu Maeda<sup>1</sup>, Yusuke Yamamoto<sup>1</sup>, Yuji Sasaki<sup>1</sup>, Hitoshi Yaku<sup>2</sup>

1. *Department of Pediatric Cardiovascular Surgery, Children's Research Hospital, Kyoto Prefectural University of Medicine, Kyoto, Japan.* 2. *Department of Cardiovascular Surgery, Kyoto Prefectural University of Medicine, Kyoto, Japan.*

**Invited Discussant:** Andres J. Schlichter, MD

**30. Deep Esophageal Submucosa: The Non-Anatomic Watershed for Esophageal Cancer**

Siva Raja, Thomas W. Rice<sup>+</sup>, John R. Goldblum, Lisa A. Rybicki, Sudish C. Murthy<sup>+</sup>, David P. Mason<sup>+</sup>, Eugene H. Blackstone<sup>+</sup>

*Thoracic and Cardiovascular Surgery, Cleveland Clinic, Cleveland, OH, United States.*

**Invited Discussant:** David R. Jones, MD

**31. Preoperative Predicted Risk Does Not Fully Explain the Association Between Red Blood Cell Transfusion and Mortality in Coronary Bypass Surgery**

Gaetano Paone<sup>2</sup>, Robert J. Brewer<sup>2</sup>, Patricia F. Theurer<sup>3</sup>, Gail F. Bell<sup>3</sup>, Chad M. Cogan<sup>2</sup>, Richard L. Prager<sup>+1</sup>

1. *Cardiac Surgery, University of Michigan, Ann Arbor, MI, United States.*

2. *Division of Cardiothoracic Surgery, Henry Ford Hospital, Detroit, MI, United States.*

3. *Quality Collaborative, Michigan Society of Thoracic and Cardiovascular Surgeons, Ann Arbor, MI, United States.*

**Invited Discussant:** Peter K. Smith, MD

**10:05 a.m.**

**INTERMISSION – VISIT EXHIBITS/COFFEE BREAK**

*Exhibit Hall A*

**TUESDAY**

<sup>+</sup>AATS Member



10:40 a.m.

**PLENARY SCIENTIFIC SESSION**

*Ballroom AB, Pennsylvania Convention Center  
(8 minute presentations, 12 minute discussion)*

**Moderators:** Irving L. Kron, MD  
Thoralf M. Sundt, III, MD

**32. A Comparison of Surgery and Stereotactic Body Radiation Therapy for Stage I Lung Cancer—A Decision Analysis**

Varun Puri, Traves D. Crabtree, Steven Kymes, Martin Gregory, Jennifer B. Zoole, Jeffrey D. Bradley, Clifford Robinson, Alec Patterson<sup>+</sup>, Daniel Kreisel<sup>+</sup>, A. Sasha Krupnick, Bryan F. Meyers<sup>+</sup>  
*Washington University, St. Louis, MO, United States.*

**Invited Discussant:** Alessandro Brunelli, MD

**33. A Surgical Perspective on Interventional Mitral Valve Repair: Percutaneous Clip-based Edge-to-Edge Plasty as an Important Adjunct to a Surgical Mitral Valve Program for Treatment of High-Risk Patients**

Hendrik Treede<sup>1</sup>, Stephan Baldus<sup>2</sup>, Johannes Schirmer<sup>1</sup>, Olaf Franzen<sup>2</sup>, Moritz Seiffert<sup>1</sup>, Lenard Conradi<sup>1</sup>, Thomas Meinertz<sup>2</sup>, Hermann Reichenspurner<sup>+1</sup>  
*1. Department of Cardiovascular Surgery, University Heart Center Hamburg, Hamburg, Germany. 2. Department of Cardiology, University Heart Center Hamburg, Hamburg, Germany.*

**Invited Discussant:** A. Marc Gillinov, MD

**34. Urgent Thoracic Endovascular Aneurysm Repair Is a Superior Alternative to Traditional Open Repair for Ruptured Thoracic Aneurysm: A Nationwide Risk-Adjusted Study of 923 Patients**

Raja R. Gopaldas<sup>1</sup>, Tam K. Dao<sup>4</sup>, Scott A. LeMaire<sup>+2,3</sup>, Joseph Huh<sup>2,3</sup>, Joseph S. Coselli<sup>+2,3</sup>

*1. Division of Cardiothoracic Surgery, University of Missouri Columbia School of Medicine, Columbia, MO, United States. 2. Texas Heart Institute, St. Luke's Episcopal Hospital, Houston, TX, United States. 3. Division of Cardiothoracic Surgery, Baylor College of Medicine, Houston, TX, United States. 4. Department of Education Psychology, University of Houston, Houston, TX, United States.*

**Invited Discussant:** John A. Kern, MD

11:40 a.m.

**HONORED SPEAKER LECTURE**

**"The Only Constant is Change"**

Michael J. Mack, MD  
Baylor Health Care System

**Introduced By:** Irving L. Kron, MD

12:30 p.m.

**ADJOURN FOR LUNCH – VISIT EXHIBITS**

*Exhibit Hall A*

<sup>+</sup>AATS Member





**TUESDAY, MAY 10, 2011**

**2:00 p.m.**

**ADULT CARDIAC SURGERY  
SIMULTANEOUS SCIENTIFIC SESSION**

*Ballroom AB, Pennsylvania Convention Center  
(8 minutes presentation, 12 minutes discussion)*

**Moderators:** W. Randolph Chitwood, Jr., MD  
David C. McGiffin, MD

**35. Preoperative Pulmonary Hypertension Adversely Impacts Short- and Long-Term Survival After Operation for Mitral Regurgitation: Implications for Timing of Surgery**

Mehrdad Ghoreishi, Charles F. Evans, Cindi A. Young, James M. Brown<sup>+</sup>,  
Bartley P. Griffith<sup>+</sup>, James S. Gammie<sup>+</sup>

*Division of Cardiac Surgery, University of Maryland Medical Center, Baltimore, MD, United States.*

**Invited Discussant:** Gerald M. Lawrie, MD

**36. OPCAB Does Not Preserve Renal Function Better than CABG: Results of a Case-Matched Study in 5,940 Patients**

Elsayed M. Elmistekawy<sup>1</sup>, Vincent Chan<sup>1</sup>, Michael E. Bourke<sup>2</sup>, Jean-Yves Dupuis<sup>2</sup>,  
Fraser D. Rubens<sup>1</sup>, Thierry G. Mesana<sup>+1</sup>, Marc Ruel<sup>+1</sup>

*1. Cardiac Surgery Division, Ottawa Heart Institute, Ottawa, ON, Canada.*

*2. Department of Anesthesiology, Ottawa Heart Institute, Ottawa, ON, Canada.*

**Invited Discussant:** Marc R. Moon, MD

**37. Quality Not Volume Determines Outcome in Coronary Artery Bypass Surgery in a University-Based Community Hospital Quality Network**

Paul A. Kurlansky<sup>+1,2</sup>, Michael Argenziano<sup>+2</sup>, Robert Dunton<sup>2</sup>, Robert Lancey<sup>2</sup>,  
Edward P. Nast<sup>2</sup>, Allan Stewart<sup>+2</sup>, Timothy H. Williams<sup>2</sup>, Alex Zapolanski<sup>2</sup>,  
Helena Chang<sup>2</sup>, Judy Tingley<sup>2</sup>, Craig R. Smith<sup>+2</sup>

*1. Florida Heart Research Inst, Miami, FL, United States. 2. Columbia University, New York, NY, United States.*

**Invited Discussant:** Thoralf M. Sundt, III, MD

**3:00 p.m.**

**INTERMISSION – VISIT EXHIBITS/COFFEE BREAK**

*Exhibit Hall A*

**TUESDAY**

<sup>+</sup>AATS Member



3:45 p.m.

**ADULT CARDIAC SURGERY  
SIMULTANEOUS SCIENTIFIC SESSION**

*Ballroom AB, Pennsylvania Convention Center*

**Moderators:** W. Randolph Chitwood, Jr., MD  
David C. McGiffin, MD

**38. Predictors and Impact of Postoperative Atrial Fibrillation on Patients' Outcome: A Report from Randomized On/Off Bypass (ROOBY) Trial**

G. Hossein Almassi<sup>+1,2</sup>, Sharon Pecsì<sup>1</sup>, Joseph F. Collins<sup>3</sup>, Annie L. Shroyer<sup>4,5</sup>, Marco A. Zenati<sup>+6</sup>, Frederick L. Grover<sup>+5</sup>

1. Cardiothoracic Surgery, Zablocki Veterans Affairs Medical Center, Milwaukee, WI, United States. 2. Division of Cardiothoracic Surgery, Medical College of Wisconsin, Milwaukee, WI, United States. 3. Cooperative Studies Program Coordinating Center, Veterans Affairs Medical Center, Perry Point, MD, United States. 4. Northport VA Medical Center, Veterans Affairs Medical Center, Northport, NY, United States. 5. Cardiothoracic Surgery, Eastern Colorado Health Care System, Department of Veterans Affairs, Denver, CO, United States. 6. Cardiothoracic Surgery, West Roxbury VA Medical Center, Boston, MA, United States.

**Invited Discussant:** David C. McGiffin, MD

**39. The Effect of Surgeon Volume on Mortality for Off-Pump Coronary Artery Bypass Grafting in the United States**

Damien J. LaPar<sup>1</sup>, Carlos M. Mery<sup>1</sup>, Benjamin D. Kozower<sup>1</sup>, John A. Kern<sup>+1</sup>, Irving L. Kron<sup>+1</sup>, George J. Stukenborg<sup>2</sup>, Gorav Ailawadi<sup>1</sup>

1. Surgery, University of Virginia, Charlottesville, VA, United States. 2. Department of Public Health, Biostatistics, and Epidemiology, University of Virginia, Charlottesville, VA, United States.

**Invited Discussant:** R. Morton Bolman, III, MD

**40. Strict vs. Liberal Target Range for Postoperative Glucose in CABG Surgery Patients**

Shalin P. Desai<sup>1</sup>, Linda Henry<sup>1</sup>, Sari D. Holmes<sup>1</sup>, Sharon L. Hunt<sup>1</sup>, Shrinivas Hebsur<sup>1</sup>, Chidima Martin<sup>1</sup>, Niv Ad<sup>+1,2</sup>

1. Cardiac Surgery Research, Inova Heart and Vascular Institute, Falls Church, VA, United States. 2. Associates, P.C., IHVI, Falls Church, VA, United States.

**Invited Discussant:** Harold L. Lazar, MD

5:00 p.m.

**EXECUTIVE SESSION**

*(AATS Members Only)*

*Ballroom AB, Pennsylvania Convention Center*

7:00 p.m. – 10:00 p.m.

**AATS Special Reception at the National Constitution Center**

*(Ticketed event. All attendees and exhibitors are encouraged to attend.)*

<sup>+</sup>AATS Member





2:00 p.m.

**AORTIC/ENDOVASCULAR SURGERY  
SIMULTANEOUS SCIENTIFIC SESSION**

108 AB, Pennsylvania Convention Center  
(8 minutes presentation, 12 minutes discussion)

**Moderators:** Leonard N. Girardi, MD  
Marc R. Moon, MD

**41. Two Years Clinical and Echocardiographic Follow-Up After Transcatheter Aortic Valve Implantation in 155 Patients**

Sabine Bleiziffer, Domenico Mazzitelli, Andrea Hutter, Anke Opitz, Ina Hettich, Hendrik Ruge, Nicolo Piazza, Robert Bauernschmitt, Rudiger S. Lange<sup>+</sup>  
*German Heart Center Munich, Munich, Germany.*

**Invited Discussant:** Gregory P. Fontana, MD

**42. Impact of Patient Prosthesis Mismatch After Transcatheter Aortic Valve-in-Valve Implantation in Degenerated Bioprostheses**

Moritz Seiffert<sup>1</sup>, Malgorzata Knap<sup>2</sup>, Johannes Schirmer<sup>1</sup>, Olaf Franzen<sup>2</sup>, Lenard Conradi<sup>1</sup>, Stephan Baldus<sup>2</sup>, Thomas Meinertz<sup>2</sup>, Hermann Reichenspurner<sup>+1</sup>, Hendrik Treede<sup>1</sup>

1. Department of Cardiovascular Surgery, University Heart Center Hamburg, Hamburg, Germany. 2. Department of General and Interventional Cardiology, University Heart Center Hamburg, Hamburg, Germany.

**Invited Discussant:** Mathew R. Williams, MD

**43. Long-Term Comparison of TEVAR to Open Surgery for the Treatment of Thoracic Aortic Aneurysms**

Nimesh D. Desai<sup>1</sup>, Kristen Burtch<sup>1</sup>, Patrick Moeller<sup>1</sup>, William G. Moser<sup>1</sup>, Alberto Pochettino<sup>+1</sup>, Edward Woo<sup>2</sup>, Ronald M. Fairman<sup>2</sup>, Wilson Y. Szeto<sup>1</sup>, Joseph E. Bavaria<sup>+1</sup>

1. Cardiothoracic Surgery, University of Pennsylvania, Philadelphia, PA, United States. 2. Vascular Surgery, University of Pennsylvania, Philadelphia, PA, United States.

**Invited Discussant:** John S. Ikonomidis, MD, PhD

3:00 p.m.

**INTERMISSION – VISIT EXHIBITS/COFFEE BREAK**

Ballroom AB, Pennsylvania Convention Center

TUESDAY

<sup>+</sup>AATS Member



3:45 p.m.

**AORTIC/ENDOVASCULAR SURGERY  
SIMULTANEOUS SCIENTIFIC SESSION**

*108 AB, Pennsylvania Convention Center*

**Moderators:** Leonard N. Girardi, MD  
Marc R. Moon, MD

**44. Valve-Sparing Aortic Root Repair without Downsizing of the Annulus:  
Long-Term Results**

Paul P. Urbanski, Xiaochun Zhan, Husam Hijazi, Michael Zacher, Anno Diegeler  
*Cardiovascular Clinic, Bad Neustadt, Germany.*

**Invited Discussant:** Tirone E. David, MD

**45. Valve-Sparing Root Replacement with the Reimplantation Technique  
Increases the Durability of Bicuspid Aortic Valve Repair**

Laurent de Kerchove<sup>1</sup>, Munir Boodhwani<sup>2</sup>, Glineur David<sup>1</sup>, Philippe Noirhomme<sup>1</sup>,  
Gebrine El Khoury<sup>+1</sup>

*1. Cardiothoracic and Vascular Surgery, Cliniques Universitaires St-Luc, Université  
Catholique de Louvain, Brussels, Belgium. 2. Cardiac Surgery, University of  
Ottawa Heart Institute, Ottawa, ON, Canada.*

**Invited Discussant:** Thomas G. Gleason, MD

**46. Transcatheter Aortic Valve Implantation vs. Surgical Aortic Valve  
Replacement: A Propensity Score Matched Analysis in Patients at  
High Surgical Risk**

Lenard Conradi<sup>1</sup>, Hendrik Treede<sup>1</sup>, Miriam Silaschi<sup>1</sup>, Olaf Franzen<sup>2</sup>,  
Moritz Seiffert<sup>1</sup>, Stephan Baldus<sup>2</sup>, Johannes Schirmer<sup>1</sup>, Thomas Meinertz<sup>2</sup>,  
Hermann Reichenspurner<sup>+1</sup>

*1. Department of Cardiovascular Surgery, University Heart Center Hamburg,  
Hamburg, Hamburg, Germany. 2. Department of Cardiology, University Heart  
Center Hamburg, Hamburg, Hamburg, Germany.*

**Invited Discussant:** Vinod H. Thourani, MD

5:00 p.m.

**Executive Session**

*(AATS Members Only)*

*Ballroom AB, Pennsylvania Convention Center*

7:00 p.m. – 10:00 p.m.

**AATS Special Reception at the National Constitution  
Center**

*(Ticketed event. All attendees and exhibitors are encouraged  
to attend.)*

<sup>+</sup>AATS Member





2:00 p.m.

**CONGENITAL HEART DISEASE  
SIMULTANEOUS SCIENTIFIC SESSION**

201 ABC, Pennsylvania Convention Center  
(8 minutes presentation, 12 minutes discussion)

**Moderators:** J. William Gaynor, MD  
Shunji Sano, MD, PhD

**47. Younger Gestational Age Is Associated with Worse Neurodevelopmental Outcomes After Cardiac Surgery in Infancy**

Donna A. Goff<sup>1</sup>, Marsha Gerdes<sup>1</sup>, Xianqun Luan<sup>1</sup>, Judy Bernbaum<sup>1</sup>,  
Jo Ann D'Agostino<sup>1</sup>, Jack Rychik<sup>1</sup>, Daniel J. Licht<sup>1</sup>, Susan C. Nicolson<sup>2</sup>,  
Robert R. Clancy<sup>1</sup>, Thomas L. Spray<sup>+3</sup>, J. William Gaynor<sup>+3</sup>

1. Pediatrics, The Children's Hospital of Philadelphia, Philadelphia, PA, United States. 2. Cardiothoracic Anesthesia, The Children's Hospital of Philadelphia, Philadelphia, PA, United States. 3. Cardiothoracic Surgery, The Children's Hospital of Philadelphia, Philadelphia, PA, United States.

**Invited Discussant:** Frank A. Pigula, MD

**48. Predictive Value of Near Infrared Spectroscopy on Neurodevelopmental Outcome in Children Following Congenital Heart Surgery**

Julie Simons<sup>2</sup>, Erica Sood<sup>2</sup>, Christopher D. Derby<sup>1</sup>, Christian Pizarro<sup>1</sup>

1. Cardiac Center, Alfred I. duPont Hospital, Wilmington, DE, United States.  
2. Behavioral Health, Alfred I. duPont Hospital for Children, Wilmington, DE, United States.

**Invited Discussant:** James S. Tweddell, MD

**49. Pediatric Ventricular Assist Device Strategies Before and Late After Cardiac Transplantation—Which Device? What Approach? How Successful?**

Jonathan M. Chen<sup>+1,2</sup>, Kevin Charette<sup>2</sup>, Yasutaka Hirata<sup>3</sup>, Rabin Gerrah<sup>2</sup>,  
Mathew R. Williams<sup>2</sup>, Hiroo Takayama<sup>2</sup>, Kimberly Beddows<sup>2</sup>, Linda J. Addonizio<sup>2</sup>

1. Cardiothoracic Surgery, Cornell University, New York, NY, United States.  
2. Cardiothoracic Surgery, Columbia University, New York, NY, United States.  
3. Cardiac Surgery, National Medical Center for Children and Mothers, Tokyo, Japan.

**Invited Discussant:** J. William Gaynor, MD

3:00 p.m.

**INTERMISSION – VISIT EXHIBITS/COFFEE BREAK**  
Exhibit Hall A

TUESDAY

<sup>+</sup>AATS Member



3:45 p.m.

**CONGENITAL HEART DISEASE  
SIMULTANEOUS SCIENTIFIC SESSION**  
*201 ABC, Pennsylvania Convention Center*

**Moderators:** J. William Gaynor, MD  
Shunji Sano, MD, PhD

**50. Clinical Impact of Prophylactic Damus-Kaye-Stansel Anastomosis on Timing of Bidirectional Glenn Procedure**

Masatoshi Shimada, Koji Kagisaki, Takaya Hoashi, Isao Shiraishi,  
Toshikatsu Yagihara<sup>+</sup>, Hajime Ichikawa  
*National Cerebral and Cardiovascular Center, Suita, Osaka, Japan.*

**Invited Discussant:** Robert D. Jaquiss, MD

**51. Age Is a Predictor of Structural Valve Deterioration Following Pulmonary Valve Replacement in Tetralogy of Fallot Patients**

Peter Chen, Maggie S. Sager, David Zurakowski, Frank A. Pigula<sup>+</sup>,  
Christopher W. Baird, Francis Fynn-Thompson, John E. Mayer<sup>+</sup>,  
Pedro J. del Nido<sup>+</sup>, Sitaram Emani  
*Cardiac Surgery, Children's Hospital Boston, Harvard Medical School, Boston, MA, United States.*

**Invited Discussant:** Carl L. Backer, MD

**52. Pulmonary Artery Sling: Current Results with Cardiopulmonary Bypass**

Carl L. Backer<sup>+</sup><sup>1</sup>, Sunjay Kaushal<sup>1</sup>, Hyde M. Russell<sup>1</sup>, Mark J. Rastetter<sup>2</sup>,  
Cynthia Rigsby<sup>3</sup>, Lauren D. Holinger<sup>2</sup>  
*1. Cardiovascular-Thoracic Surgery, Children's Memorial Hospital, Chicago, IL, United States. 2. Pediatric Otolaryngology, Children's Memorial Hospital, Chicago, IL, United States. 3. Medical Imaging, Children's Memorial Hospital, Chicago, IL, United States.*

5:00 p.m.

**EXECUTIVE SESSION**  
*(AATS Members Only)*  
*Ballroom AB, Pennsylvania Convention Center*

7:00 p.m. – 10:00 p.m.

**AATS Special Reception at the National Constitution Center**  
*(Ticketed event. All attendees and exhibitors are encouraged to attend.)*

<sup>+</sup>AATS Member





2:00 p.m.

**GENERAL THORACIC SURGERY  
SIMULTANEOUS SCIENTIFIC SESSION**

204 ABC, Pennsylvania Convention Center  
(8 minutes presentation, 12 minutes discussion)

**Moderators:** Shaf Keshavjee, MD, MSc  
David J. Sugarbaker, MD

**53. Prevalence and Outcomes of Diaphragmatic Hernia Admissions: Analysis of a National Database**

Subroto Paul, Farooq M. Mirza, Abu Nasar, Jeffrey L. Port<sup>+</sup>, Paul C. Lee<sup>+</sup>,  
Brendon M. Stiles, Andrew B. Nguyen, Art Sedrakyan, Nasser K. Altorki<sup>+</sup>  
*Department of Cardiothoracic Surgery, Weill Cornell Medical College, New York, NY, United States.*

**Invited Discussant:** Michael A. Maddaus, MD

**54. Does Donor PaO<sub>2</sub> Affect Outcomes Following Lung Transplantation? A Review of Over 12,000 Lung Transplants**

Farhan Zafar<sup>1,2</sup>, Jeffrey S. Heinle<sup>1,2</sup>, Iki Adachi<sup>1,2</sup>, E. Dean McKenzie<sup>1,2</sup>,  
Marc G. Schechter<sup>1,3</sup>, George B. Mallory<sup>1,3</sup>, David L. Morales<sup>+1,2</sup>

1. Surgery, Baylor College of Medicine, Houston, TX, United States. 2. Congenital Heart Surgery, Texas Children's Hospital, Houston, TX, United States. 3. Pediatric Pulmonology, Texas Children's Hospital, Houston, TX, United States.

**Invited Discussant:** Thomas K. Waddell, MD, MSc, PhD

**55. Thirty and Ninety Day Outcomes After Sublobar Resection for Non-Small Cell Lung Cancer (NSCLC); Results from a Multicenter Phase III Study**

Hiran C. Fernando<sup>+1</sup>, Rodney J. Landreneau<sup>+2</sup>, Sumithra J. Mandrekar<sup>3</sup>,  
Shauna L. Hillman<sup>3</sup>, Francis C. Nichols<sup>3</sup>, Thomas A. DiPetrillo<sup>4</sup>, Dwight E. Heron<sup>2</sup>,  
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1. Boston Medical Center, Boston, MA, United States. 2. University of Pittsburgh Medical Center, Pittsburgh, PA, United States. 3. Mayo Clinic, Rochester, MN, United States. 4. Rhode Island Hospital, Providence, RI, United States. 5. Washington University, St. Louis, MO, United States. 6. University of Virginia, Charlottesville, VA, United States. 7. University of Cincinnati, Cincinnati, OH, United States. 8. Vanderbilt University Medical Center, Nashville, TN, United States.

**Invited Discussant:** Erino A. Rendina, MD

3:00 p.m.

**INTERMISSION – VISIT EXHIBITS/COFFEE BREAK**  
Exhibit Hall A

<sup>+</sup>AATS Member



TUESDAY

3:45 p.m.

**GENERAL THORACIC SURGERY  
SIMULTANEOUS SCIENTIFIC SESSION**

*204 ABC, Pennsylvania Convention Center*

**Moderators:** Shaf Keshavjee, MD, MSc  
David J. Sugarbaker, MD

**56. Lung-Sparing Radical Pleurectomy Followed by Adjuvant Chemoradiation in Malignant Pleural Mesothelioma**

Servet Bolukbas<sup>1</sup>, Michael H. Eberlein<sup>2,3</sup>, Thomas Bergmann<sup>1</sup>,  
Annette Fisseler-Eckhoff<sup>4</sup>, Joachim Schirren<sup>1</sup>

*1. Thoracic Surgery, Dr. Horst Schmidt Klinik, Wiesbaden, Germany. 2. Division of Pulmonary and Critical Care Medicine, Johns Hopkins University School of Medicine, Baltimore, MD, United States. 3. Critical Care Department, National Institutes of Health, Bethesda, MD, United States. 4. Institutes for Pathology and Cytology, Dr. Horst Schmidt Klinik, Wiesbaden, Germany.*

**Invited Discussant:** David J. Sugarbaker, MD

**57. Robotic Lobectomy for Non-Small Cell Lung Cancer (NSCLC): Long-Term Results and Follow-Up**

Bernard J. Park<sup>1</sup>, Franca M. Melfi<sup>+2</sup>, Patrick Maisonneuve<sup>3</sup>, Giulia Veronesi<sup>3</sup>

*1. Cardiothoracic Surgery, Hackensack University Medical Center, Hackensack, NJ, United States. 2. Cardiothoracic Surgery, University of Pisa, Pisa, Italy. 3. Thoracic Surgery, European Institute of Oncology, Milano, Italy.*

**Invited Discussant:** Thomas A. D'Amico, MD

**58. VATS Lobectomy: Catastrophic Intra-Operative Complications**

Raja M. Flores<sup>+1</sup>, Ugonna Ihekweazu<sup>2</sup>, Joseph Dycoco<sup>2</sup>, Nabil P. Rizk<sup>2</sup>,  
Valerie W. Rusch<sup>+2</sup>, Manjit S. Bains<sup>+2</sup>, Robert J. Downey<sup>+2</sup>, David Finley<sup>2</sup>,  
Prasad Adusumilli<sup>2</sup>, Inderpal Sarkaria<sup>2</sup>, James Huang<sup>2</sup>, Bernard Park<sup>3</sup>

*1. Division of Thoracic Surgery, Mount Sinai School of Medicine, New York, NY, United States. 2. Surgery, Memorial Sloan Kettering, New York, NY, United States. 3. Thoracic Surgery, Hackensack University Hospital, Hackensack, NJ, United States.*

**Invited Discussant:** Daniel L. Miller, MD

5:00 p.m.

**EXECUTIVE SESSION**

*(AATS Members Only)*

*Ballroom AB, Pennsylvania Convention Center*

7:00 p.m. – 10:00 p.m.

**AATS Special Reception at the National Constitution Center**

*(Ticketed event. All attendees and exhibitors are encouraged to attend.)*

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## WEDNESDAY MORNING MAY 11, 2011

7:00 a.m.

### EMERGING TECHNOLOGIES AND TECHNIQUES FORUM

*Ballroom AB, Pennsylvania Convention Center  
(6 minutes presentation, 5 minutes discussion)*

**Moderators:** W. Randolph Chitwood, Jr., MD  
Bryan F. Meyers, MD, MPH

**T1. Comparison of Same Sitting, Robotic-Assisted Hybrid Coronary Artery Revascularization with Off-Pump Coronary Artery Bypass Surgery in Multi-Vessel Coronary Artery Disease**

Christine M. McCarty<sup>1</sup>, Lukasz Kiljanek<sup>2</sup>, Gouthami Boga<sup>2</sup>, Aaron M. Rastoka<sup>2</sup>, Anita Todd<sup>2</sup>, Tammy Whitaker<sup>2</sup>, William Bachinsky<sup>2</sup>

*1. Pinnacle Health System, Camp Hill, PA, United States. 2. Pinnacle Health System, Harrisburg, PA, United States.*

**T2. Initial Clinical Experience with a Novel Rapid-Deployment Aortic Valve Replacement System**

Malakh Shrestha<sup>1</sup>, Axel Haverich<sup>+1</sup>, Samir Sarikouch<sup>1</sup>, Michael A. Borger<sup>+2</sup>, Martin Misfeld<sup>2</sup>, Johannes Blumenstein<sup>3</sup>, Thomas Walther<sup>+3</sup>, Linda D. Gillam<sup>5</sup>, Agnes Koczo<sup>5</sup>, Alfred Kocher<sup>4</sup>, Dominik Wiedemann<sup>4</sup>, Friedrich W. Mohr<sup>+2</sup>, Guenther Laufer<sup>+4</sup>

*1. Cardiothoracic, Transplantation and Vascular Surgery, Hannover Medical School, Hannover, Germany. 2. Cardiac Surgery, Leipzig University, Leipzig, Germany. 3. Cardiac Surgery, Bad Neuheim Cardiac Center, Bad Neuheim, Germany. 4. Cardiac Surgery, University of Vienna, Vienna, Austria. 5. Medical Center, Columbia University, New York, NY, United States.*

**T3. Mid-Term Results of Vascular Ring Connector in Surgery for Aortic Dissection**

Jeng Wei<sup>+1</sup>, Chung-Yi Chang<sup>1</sup>, Sung-How Sue<sup>1</sup>, Cheng-Hsi Chang<sup>2</sup>

*1. Heart Center, Cheng Hsin General Hospital, Taipei, Taiwan. 2. Cardiac Surgery, Tung's Taichung Metro Harbor Hospital, Taichung, Taiwan.*

**T4. Exclusion of the Left Atrial Appendage with a Novel Device: Early Results of a Multicenter Trial**

Gorav Ailawadi<sup>1</sup>, Marc W. Gerdisch<sup>2</sup>, Richard L. Harvey<sup>3</sup>, Robert L. Hooker<sup>4</sup>, Ralph J. Damiano<sup>+5</sup>, Thomas Salamon<sup>6</sup>, Michael J. Mack<sup>+7</sup>

*1. TCV Surgery, University of Virginia, Charlottesville, VA, United States. 2. St. Francis Heart Center, Indianapolis, IN, United States. 3. Macon Cardiovascular, Macon, GA, United States. 4. Spectrum Health, Grand Rapids, MI, United States. 5. Washington University, St. Louis, MO, United States. 6. Mt. Carmel Health, Columbus, OH, United States. 7. Baylor Heart Hospital, Plano, TX, United States.*

<sup>+</sup>AATS Member



- T5. A Randomized Evaluation of Simulation Training on Performance of Vascular Anastomosis on a High-Fidelity In Vivo Model: The Role of Deliberate Practice**  
Joel Price<sup>1</sup>, Munir Boodhwani<sup>1</sup>, Viren Naik<sup>2</sup>, Tim Brandys<sup>3</sup>, Paul J. Hendry<sup>+1</sup>,  
Buu Khanh Lam<sup>1</sup>  
*1. Cardiac Surgery, University of Ottawa Heart Institute, Ottawa, ON, Canada. 2. Anesthesiology, The Ottawa Hospital, Ottawa, ON, Canada. 3. Vascular Surgery, The Ottawa Hospital, Ottawa, ON, Canada.*
- T6. 3D-TEE Based Computational Modeling of the Mitral Valve for Surgical Planning**  
David D. Yuh<sup>+1</sup>, Philippe M. Burlina<sup>4</sup>, Francisco Contijoch<sup>3</sup>, MaryBeth Brady<sup>2</sup>,  
Elliot McVeigh<sup>3</sup>  
*1. Division of Cardiac Surgery, The Johns Hopkins Hospital, Baltimore, MD, United States. 2. Department of Anesthesia and Critical Care Medicine, The Johns Hopkins Hospital, Baltimore, MD, United States. 3. Department of Biomedical Engineering, The Johns Hopkins Hospital, Baltimore, MD, United States. 4. Applied Physics Laboratory, Johns Hopkins University, Baltimore, MD, United States.*
- T7. Wireless Power for Ventricular Assist Devices: Innovation with the Free-Range Resonant Electrical Energy Delivery System (FREE-D) for Mechanical Circulatory Assist**  
Pramod Bonde<sup>1</sup>, Alanson P. Sample<sup>2</sup>, Benjamin Waters<sup>2</sup>, Emily Cooper<sup>3</sup>,  
Yoshiya Toyoda<sup>+1</sup>, Robert L. Kormos<sup>+1</sup>, Joshua R. Smith<sup>2,4</sup>  
*1. Department of Cardiothoracic Surgery, University of Pittsburgh Medical Center, Pittsburgh, PA, United States. 2. Department of Computer Science and Engineering, University of Washington, Seattle, WA, United States. 3. Intel Labs, Seattle, WA, United States. 4. Department of Electrical Engineering, University of Washington, Seattle, WA, United States.*
- T8. Trans-Mediastinal Implantation of Phrenic Nerve Stimulation Electrodes**  
Jalal Assouad<sup>1</sup>, Hicham Masmoudi<sup>1</sup>, Jesus Gonzalez-Bermejo<sup>2</sup>,  
Capucine Morélot-Panzini<sup>2</sup>, Valerie Gounant<sup>1</sup>, Moustapha Diop<sup>3</sup>,  
Dominique H. Grunenwald<sup>+1</sup>, Thomas Similowski<sup>2</sup>  
*1. Department of Thoracic Surgery, Hôpital Tenon and Laboratoire de Recherches Biochirurgicales, Fondation Alain Carpentier, Centre de Recherche Cardiovasculaire, Assistance Publique Hôpitaux de Paris, Paris France. 2. Department of Respiratory and Critical Care Medicine and ER10upmc, Université Paris 6 Pierre et Marie Curie, Groupe Hospitalier Pitié-Salpêtrière, Assistance Publique, Hôpitaux de Paris, Paris, France. 3. Synapse Biomedical Europe, S.A.R.L., Montlignon, France.*



**T9. Trans-Oral Incisionless Fundoplication for Treatment of Gastroesophageal Reflux Disease: Preliminary Experience**

Chaitan K. Narsule<sup>1</sup>, Miguel A. Burch<sup>2</sup>, Michael I. Ebricht<sup>1</sup>, Donald T. Hess<sup>3</sup>, Roberto Rivas<sup>1</sup>, Benedict D.T. Daly<sup>+1</sup>, Hiran C. Fernando<sup>+1</sup>

*1. Department of Cardiothoracic Surgery, Boston University School of Medicine, Boston, MA, United States. 2. Department of Surgery, Cedars-Sinai Medical Center, Los Angeles, CA, United States. 3. Department of Surgery, Boston University School of Medicine, Boston, MA, United States.*

**T10. In Vivo Tissue Engineered Airway Replacement**

Philipp Jungebluth<sup>1,4</sup>, Augustinus Bader<sup>3</sup>, Susanne Möller<sup>1</sup>, Heike Nave<sup>2</sup>, Paolo Macchiarini<sup>+1</sup>

*1. Bioairlab, Department of General Thoracic and Regenerative Surgery and Intrathoracic Biotransplantation, University Hospital Careggi, Florence, Italy. 2. Institute for Functional and Applied Anatomy, Hannover Medical School (MHH), Hannover, Germany. 3. Center for Biotechnology and Biomedicine, Cell Techniques and Applied Stem Cell Biology, University of Leipzig, Leipzig, Germany. 4. Department of Thoracic and Cardiovascular Surgery, Klinikum Braunschweig, Braunschweig, Germany.*

<sup>+</sup>AATS Member



9:00 a.m.

**SEX AND GENDER: THE IMPACT ON DISEASE AND  
PATIENT OUTCOMES IN CARDIOTHORACIC SURGERY**

**Chair:** Yolonda L. Colson, MD, PhD  
Brigham and Women's Hospital

Data will be presented that highlights important clinical differences in the presentation, outcomes and risk factors between men and women for several common cardiothoracic diseases and conditions. Presenters will discuss potential gender-based practice changes that can improve care for patients of both sexes.

**Course Objectives**

At the conclusion of this course, participants will be able to:

- ☐ Identify sex and gender-based differences in presentation, treatment, and outcomes that are currently present in patients with coronary artery disease, aortic aneurysms, end-stage heart or lung disease and esophageal cancer.
- ☐ Describe potential biological differences and treatment options which are more likely in women with lung cancer.
- ☐ Detail the impact of pregnancy on the treatment of valvular heart disease.
- ☐ Apply new knowledge to alter current clinical practice to improve patient outcomes for both male and female patients with cardiothoracic diseases.

9:00 a.m. – 9:05 a.m.

**Introduction**

Yolonda L. Colson, MD, PhD  
Brigham and Women's Hospital

9:05 a.m. – 9:15 a.m.

**The Many Faces of Coronary Artery Disease**

John D. Puskas, MD  
Emory University

9:15 a.m. – 9:25 a.m.

**You've Come a Long Way in the Wrong Direction,  
Baby: Lung Cancer in Women**

Yolonda L. Colson, MD, PhD  
Brigham and Women's Hospital

9:25 a.m. – 9:35 a.m.

**Valve Choice for Women in the Childbearing Age  
Range**

Lawrence H. Cohn, MD  
Brigham and Women's Hospital

9:35 a.m. – 9:45 a.m.

**Heart Failure, Transplant and VADs: The Impact of  
Size and Gender**

Sara J. Shumway, MD  
University of Minnesota





|                         |   |
|-------------------------|---|
| 9:45 a.m. – 9:55 a.m.   | <b>Esophageal Disease: Does Gender Matter?</b><br>Thomas W. Rice, MD<br>Cleveland Clinic  |
| 9:55 a.m. – 10:05 a.m.  | <b>The X Factor: Gender Differences in Lung Transplantation</b><br>G. Alec Patterson, MD<br>Washington University School of Medicine  |
| 10:05 a.m. – 10:15 a.m. | <b>Aneurysms and Dissection in Women</b><br>Irving L. Kron, MD<br>University of Virginia  |
| 10:15 a.m. – 10:30 a.m. | <b>DISCUSSION</b>   |
| 10:30 a.m. – 11:15 a.m. | <b>CONTROVERSIES IN CARDIOTHORACIC SURGERY<br/>PLENARY SESSION</b><br><i>Ballroom AB, Pennsylvania Convention Center</i><br><b>Topic: Striking the Utility/Futility Balance as Transcatheter Valve Implantation (TAVI) Enters the Marketplace</b><br><b>Moderator:</b> Lawrence H. Cohn, MD<br><b>Pro:</b> TAVI Has Virtually Unlimited Utility in High Risk and Inoperable Patients<br>Craig R. Smith, MD<br><b>Con:</b> TAVI Is Futile in Many High Risk and Inoperable Patients<br>D. Craig Miller, MD |
| 11:15 a.m. – 12:00 p.m. | <b>CONTROVERSIES IN CARDIOTHORACIC SURGERY<br/>PLENARY SESSION</b><br><i>Ballroom AB, Pennsylvania Convention Center</i><br><b>Topic: For the Care of the Cardiothoracic Surgery Patient, the Canadian System is Superior to the U.S.</b><br><b>Moderator:</b> Carlos A. Mestres, MD, PhD<br><b>Pro:</b> Tirone David, MD<br><b>Con:</b> G. Alec Patterson, MD  |
| 12:00 p.m.              | <b>91<sup>st</sup> ANNUAL MEETING ADJOURNS</b>  |

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| Marc R. Moon, <i>Co-Chair</i>      | St. Louis, MO       |
| Carl L. Backer                     | Chicago, IL         |
| R. Duane Davis, Jr.                | Durham, NC          |
| Raja M. Flores                     | New York, NY        |
| Shaf Keshavjee                     | Toronto, ON, Canada |
| Soon J. Park                       | Rochester, MN       |
| Nicholas G. Smedira                | Cleveland, OH       |

### Membership Committee

|                              |                 |
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| John S. Ikonomidis           | Charleston, SC  |
| Jennifer S. Lawton           | St. Louis, MO   |
| Michael A. Maddaus           | Minneapolis, MN |
| Carmelo A. Milano            | Durham, NC      |
| Alan M. Speir                | Delaplane, VA   |
| A. Sampath Kumar             | Delhi, India    |
| Federico Venuta              | Rome, Italy     |

### Nominating Committee

|                                |                  |
|--------------------------------|------------------|
| Richard A. Jonas, <i>Chair</i> | Washington, DC   |
| Bruce W. Lytle                 | Cleveland, OH    |
| D. Craig Miller                | Stanford, CA     |
| G. Alec Patterson              | St. Louis, MO    |
| Thomas L. Spray                | Philadelphia, PA |

### Publications Committee

|                                     |               |
|-------------------------------------|---------------|
| Thoralf M. Sundt, III, <i>Chair</i> | Boston, MA    |
| Elizabeth Dooley Crane              | Beverly, MA   |
| Hartzell V. Schaff                  | Rochester, MN |
| Craig R. Smith                      | New York, NY  |
| David J. Sugarbaker                 | Boston, MA    |

### Research Scholarship Committee

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| James S. Allan                     | Boston, MA          |
| Daniel Kreisel                     | St. Louis, MO       |
| Christine L. Lau                   | Charlottesville, VA |
| Richard N. Pierson, III            | Baltimore, MD       |
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| Frank W. Sellke                    | Providence, RI      |
| Thomas K. Waddell                  | Toronto, ON, Canada |
| Y. Joseph Woo                      | Philadelphia, PA    |





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#### Relations Committee (SAGR)

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| Yolanda L. Colson                 | Boston, MA          |
| Pedro J. del Nido                 | Boston, MA          |
| Timothy J. Gardner                | Wilmington, DE      |
| J. William Gaynor                 | Philadelphia, PA    |
| John W. Hammon, Jr.               | Winston-Salem, NC   |
| David H. Harpole, Jr.             | Durham, NC          |
| Keith A. Horvath                  | Bethesda, MD        |
| John S. Ikonomidis                | Charleston, SC      |
| Irving L. Kron                    | Charlottesville, VA |
| D. Craig Miller                   | Stanford, CA        |
| Marc R. Moon                      | St. Louis, MO       |
| Michael S. Mulligan               | Seattle, WA         |
| Richard G. Ohye                   | Ann Arbor, MI       |

G. Alec Patterson

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Jack A. Roth

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Andrew S. Wechsler

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St. Louis, MO

Nashville, TN

San Francisco, CA

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Providence, RI

Boston, MA

Philadelphia, PA

Philadelphia, PA

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## AATS/STS WORKFORCES

### Workforce on Annual Meeting (Tech-Con Task Force)

|                                     |                     |
|-------------------------------------|---------------------|
| Michael A. Acker, <i>Co-Chair</i>   | Philadelphia, PA    |
| Robert J. Cerfolio, <i>Co-Chair</i> | Birmingham, AL      |
| Arvind K. Agnihotri                 | Boston, MA          |
| Michael Argenziano                  | New York, NY        |
| Ross M. Bremner                     | Phoenix, AZ         |
| Marc de Perrot                      | Toronto, ON, Canada |
| Gregory P. Fontana                  | West Hollywood, CA  |
| Eric E. Roselli                     | Cleveland, OH       |

Shaf H. Keshavjee

Zachary N. Kon

John C. Laschinger

Dan M. Meyer

R. Scott Mitchell

Friedrich W. Mohr

Nahush A. Mokadam

Christopher R. Morse

Evelio Rodriguez

Vinod H. Thourani

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Greenville, NC

Atlanta, GA

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|                                 |                     |
|---------------------------------|---------------------|
| Joseph E. Bavaria, <i>Chair</i> | Philadelphia, PA    |
| William E. Cohn                 | Houston, TX         |
| Pedro J. del Nido               | Boston, MA          |
| Hiran C. Fernando               | Boston, MA          |
| Raja M. Flores                  | New York, NY        |
| John A. Kern                    | Charlottesville, VA |

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MAY 7–11, 2011 | PHILADELPHIA, PA

|                         |                     |   |                    |
|-------------------------|---------------------|---|--------------------|
| Shanda H. Blackmon      | Houston, TX         | <b>Workforce on Nomenclature and Coding</b> |                    |
| Duke E. Cameron         | Baltimore, MD       | Peter K. Smith, <i>Chair</i>                | Durham, NC         |
| Adnan Cobanoglu         | Cleveland, OH       | John C. Alexander, Jr.                      | Evanston, IL       |
| Jennifer L. Ellis       | Washington, DC      | Joseph C. Cleveland, Jr.                    | Aurora, CO         |
| Richard K. Freeman      | Indianapolis, IN    | Verdi J. DiSesa                             | Wynnewood, PA      |
| J. Awori Hayanga        | Seattle, WA         | Jeffrey P. Jacobs                           | St. Petersburg, FL |
| Keith A. Horvath        | Bethesda, MD        | G. Gilbert Johnston                         | Tacoma, WA         |
| David R. Jones          | Charlottesville, VA | Kirk R. Kanter                              | Atlanta, GA        |
| Alan P. Kypson          | Greenville, NC      | Stephen J. Lahey                            | Brooklyn, NY       |
| Stephen J. Lahey        | Brooklyn, NY        | Robert B. Lee                               | Jackson, MS        |
| M. Blair Marshall       | Washington, DC      | James M. Levett                             | Cedar Rapids, IA   |
| Douglas J. Mathisen     | Boston, MA          | Alex G. Little                              | Tucson, AZ         |
| John E. Mayer, Jr.      | Boston, MA          | Vassyl A. Lonchyna                          | Chicago, IL        |
| Patrick M. McCarthy     | Chicago, IL         | Francis C. Nichols                          | Rochester, MN      |
| Dao M. Nguyen           | Miami, FL           | V. Sreenath Reddy                           | San Antonio, TX    |
| Valerie W. Rusch        | New York, NY        | Lars G. Svensson                            | Cleveland, OH      |
| W. Roy Smythe           | Temple, TX          | Winfield J. Wells                           | Los Angeles, CA    |
| Alan M. Speir           | Falls Church, VA    | Michael J. Weyant                           | Aurora, CO         |
| S. Russell Vester       | Cincinnati, OH      | Cameron D. Wright                           | Boston, MA         |
| Raghavendra Vijayanagar | Tampa, FL           |   |                    |

## AATS PUBLICATIONS

### The Journal of Thoracic and Cardiovascular Surgery

#### Editor

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#### Statistics Editor

Eugene H. Blackstone Cleveland, OH

#### Ethics Editor

Martin F. McKneally Toronto, ON, Canada

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Thomas W. Rice Cleveland, OH

Hartzell V. Schaff Rochester, MN

Frank W. Sellke Providence, RI

Stanton K. Shernan Boston, MA

Craig R. Smith New York, NY (2010)

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Chicago, IL  
Pittsburgh, PA  
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San Francisco, CA  
New York, NY  
Boston, MA  
Boston, MA  
Evanston, IL  
Jerusalem, Israel  
Los Angeles, CA  
Lubeck, Germany  
Cleveland, OH  
Cleveland, OH  
London, United Kingdom  
Zurich, Switzerland  
Milwaukee, WI  
Leuven, Belgium  
Rome, Italy  
Atlanta, GA  
Toronto, ON, Canada  
Philadelphia, PA

### **Seminars in Thoracic and Cardiovascular Surgery**

*Co-Editor*

David H. Adams

New York, NY

*Co-Editor*

Michael A. Maddaus

Minneapolis, MN

### **Operative Techniques in Thoracic and Cardiovascular Surgery**

*Editor*

Fred A. Crawford

Charleston, SC

### **Pediatric Cardiac Surgery Annual**

*Editor*

Thomas L. Spray

Philadelphia, PA

### **Thoracic Surgery News**

*Editor*

Yolonda L. Colson

Boston, MA

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Baltimore, MD

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Boston, MA

Stephanie Mick

Boston, MA

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Jason A. Williams Durham, NC

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Neal D. Kon Winston-Salem, NC

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Craig R. Smith New York, NY  
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Thoralf M. Sundt, III Boston, MA

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### **Joint Council on Thoracic Surgery Education Advisory Board**

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### **National Association for Biomedical Research**

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### **Thoracic Surgery Foundation for Research and Education Board of Directors**

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## PAST MEETINGS AND PRESIDENTS OF THE AMERICAN ASSOCIATION FOR THORACIC SURGERY

| YEAR      | MEETING LOCATION  | PRESIDENT             |
|-----------|-------------------|-----------------------|
| 2009-2010 | Toronto, ONT      | G. Alec Patterson     |
| 2008-2009 | Boston, MA        | Thomas L. Spray       |
| 2007-2008 | San Diego, CA     | D. Craig Miller       |
| 2006-2007 | Washington, DC    | Bruce W. Lytle        |
| 2005-2006 | Philadelphia, PA  | Richard A. Jonas      |
| 2004-2005 | San Francisco, CA | Tirone E. David       |
| 2003-2004 | Toronto, ONT      | Joel D. Cooper        |
| 2002-2003 | Boston, MA        | Fred A. Crawford, Jr. |
| 2001-2002 | Washington, DC    | Timothy J. Gardner    |
| 2000-2001 | San Diego, CA     | James L. Cox          |
| 1999-2000 | Toronto, ONT      | Delos M. Cosgrove     |
| 1998-1999 | New Orleans, LA   | Lawrence H. Cohn      |
| 1997-1998 | Boston, MA        | Floyd D. Loop         |
| 1996-1997 | Washington, DC    | David B. Skinner      |
| 1995-1996 | San Diego, CA     | Mortimer J. Buckley   |
| 1994-1995 | Boston, MA        | Robert B. Wallace     |
| 1993-1994 | New York, NY      | Aldo R. Castaneda     |
| 1992-1993 | Chicago, IL       | John L. Ochsner       |
| 1991-1992 | Los Angeles, CA   | John A. Waldhausen    |
| 1990-1991 | Washington, DC    | Keith Reemtsma        |
| 1989-1990 | Toronto, ONT      | F. Griffith Pearson   |
| 1988-1989 | Boston, MA        | W. Gerald Austen      |
| 1987-1988 | Los Angeles, IL   | Paul A. Ebert         |
| 1986-1987 | Chicago, IL       | Norman E. Shumway     |
| 1985-1986 | New York, NY      | James R. Malm         |
| 1984-1985 | New Orleans, LA   | David C. Sabiston     |
| 1983-1984 | New York, NY      | Dwight C. McGoon      |
| 1982-1983 | Atlanta, GA       | Frank C. Spencer      |
| 1981-1982 | Phoenix, AZ       | Thomas B. Ferguson    |
| 1980-1981 | Washington, DC    | Donald L. Paulson     |

91ST ANNUAL MEETING  
MAY 7-11, 2011 | PHILADELPHIA, PA

| <b>YEAR</b> | <b>MEETING LOCATION</b>                | <b>PRESIDENT</b>                        |
|-------------|--|---|
| 1979-1980   | San Francisco, CA                      | Herbert Sloan                           |
| 1978-1979   | Boston, MA                             | John W. Kirklin                         |
| 1977-1978   | New Orleans, LA                        | J. Gordon Scannell                      |
| 1976-1977   | Toronto, ONT                           | Henry T. Bahnson                        |
| 1975-1976   | Los Angeles, CA                        | David J. Dugan                          |
| 1974-1975   | New York, NY                           | Wilfred G. Bigelow                      |
| 1973-1974   | Las Vegas, NV                          | Lyman A. Brewer, III                    |
| 1972-1973   | Dallas, TX                             | Frank Gerbode                           |
| 1971-1972   | Los Angeles, CA                        | John W. Strieder                        |
| 1970-1971   | Atlanta, GA                            | Thomas H. Burford                       |
| 1969-1970   | Washington, DC                         | Hiram T. Langston                       |
| 1968-1969   | San Francisco, CA                      | Edward M. Kent                          |
| 1967-1968   | Pittsburgh, PA                         | Paul C. Samson                          |
| 1966-1967   | New York, NY                           | Frederick G. Kergin                     |
| 1965-1966   | Vancouver, BC                          | Herbert C. Maier                        |
| 1964-1965   | New Orleans, LA                        | John C. Jones                           |
| 1963-1964   | Montreal, QUE                          | Robert E. Gross                         |
| 1962-1963   | Houston, TX                            | Julian Johnson                          |
| 1961-1962   | St. Louis, MO                          | O. Theron Claggett                      |
| 1960-1961   | Philadelphia, FL<br>(Deceased 1/11/61) | John H. Gibbon, Jr.<br>Richard H. Sweet |
| 1959-1960   | Miami Beach, FL                        | William E. Adams                        |
| 1958-1959   | Los Angeles, CA                        | Michael E. DeBakey                      |
| 1957-1958   | Boston, MA                             | Brian Blades                            |
| 1956-1957   | Chicago, IL                            | Cameron Haight                          |
| 1955-1956   | Miami Beach, FL                        | Richard H. Meade                        |
| 1954-1955   | Atlantic City, NJ                      | Edward S. Welles                        |
| 1953-1954   | Montreal, QUE                          | Emile Holman                            |
| 1952-1953   | San Francisco, CA                      | Robert M. Janes                         |
| 1951-1952   | Dallas, TX                             | Frank B. Berry                          |
| 1950-1951   | Atlantic City, NJ                      | Alfred Blalock                          |





| <b>YEAR</b> | <b>MEETING LOCATION</b> | <b>PRESIDENT</b>     |
|-------------|-------------------------|----------------------|
| 1949-1950   | Denver, CO              | Edward J. O'Brien    |
| 1948-1949   | New Orleans, LA         | Edward D. Churchill  |
| 1947-1948   | Quebec, QUE             | Alton Ochsner        |
| 1946-1947   | St. Louis, MO           | I.A. Bigger          |
| 1945-1946   | Detroit, MI             | Claude S. Beck       |
| 1943-1944   | Chicago, IL             | Frank S. Dolley      |
| 1940-1941   | Toronto, ONT            | Fraser B. Gurd       |
| 1939-1940   | Cleveland, OH           | Adrian V.S. Lambert  |
| 1938-1939   | Los Angeles, CA         | Harold Brunn         |
| 1937-1938   | Atlanta, GA             | Stuart W. Harrington |
| 1936-1937   | Saranac Lake, NY        | Leo Eloesser         |
| 1935-1936   | Rochester, MN           | Carl Eggers          |
| 1934-1935   | New York, NY            | John Alexander       |
| 1933-1934   | Boston, MA              | George J. Heuer      |
| 1932-1933   | Washington, DC          | George P. Muller     |
| 1931-1932   | Ann Arbor, MI           | Frederick T. Lord    |
| 1930-1931   | San Francisco, CA       | Ethan Flagg Butler   |
| 1929-1930   | Philadelphia, PA        | Wyman Whittemore     |
| 1928-1929   | St. Louis, MO           | John L. Yates        |
| 1927-1928   | Washington, DC          | Evarts A. Graham     |
| 1926-1927   | New York, NY            | Franz Torek          |
| 1925-1926   | Montreal, QUE           | Edward W. Archibald  |
| 1924-1925   | Washington, DC          | Nathan W. Green      |
| 1923-1924   | Rochester, MN           | Carl A. Hedblom      |
| 1922-1923   | Chicago, IL             | Howard Lilienthal    |
| 1921-1922   | Washington, DC          | Samuel Robinson      |
| 1920-1921   | Boston, MA              | Rudolph Matas        |
| 1919-1920   | New Orleans, LA         | Willy Meyer          |
| 1918-1919   | Atlantic City, NJ       | Willy Meyer          |
| 1917-1918   | Chicago, IL             | Samuel J. Meltzer    |

## PAST AATS SECRETARIES AND TREASURERS OF THE AMERICAN ASSOCIATION FOR THORACIC SURGERY

### SECRETARIES

|           |                       |
|-----------|-----------------------|
| 2008      | Thoralf M. Sundt, III |
| 2003-2008 | Irving L. Kron        |
| 1998-2003 | Tirone E. David       |
| 1993-1998 | James L. Cox          |
| 1988-1993 | Martin F. McKneally   |
| 1983-1988 | Quentin R. Stiles     |
| 1978-1983 | John L. Ochsner       |
| 1973-1978 | Myron W. Wheat, Jr.   |
| 1968-1973 | Thomas B. Ferguson    |
| 1963-1968 | Henry T. Bahnson      |
| 1956-1963 | Hiram T. Langston     |
| 1951-1956 | Paul C. Samson        |
| 1947-1951 | Brian Blades          |
| 1935-1947 | Richard H. Meade      |
| 1930-1935 | Duff S. Allen         |
| 1925-1930 | Ethan Flagg Butler    |
| 1923-1925 | Charles Gordon Heyd   |
| 1918-1923 | Nathan W. Green       |

### TREASURERS

|           |                     |
|-----------|---------------------|
| 2007      | David J. Sugarbaker |
| 2003-2008 | G. Alec Patterson   |
| 1999-2003 | Richard A. Jonas    |
| 1994-1999 | Andrew S. Wechsler  |
| 1989-1994 | William A. Gay, Jr. |
| 1984-1989 | Floyd D. Loop       |
| 1979-1984 | Paul A. Ebert       |
| 1974-1979 | James R. Malm       |
| 1968-1974 | Paul C. Adkins      |
| 1963-1968 | C. Rollins Hanlon   |
| 1954-1963 | Julian Johnson      |
| 1946-1954 | William E. Adams    |
| 1939-1946 | Isaac A. Bigger     |
| 1933-1939 | Edward D. Churchill |
| 1928-1933 | Carl Eggers         |
| 1925-1928 | Ethan Flagg Butler  |
| 1923-1925 | Charles Gordon Heyd |
| 1918-1923 | Nathan W. Green     |



## BASIC SCIENCE LECTURERS

| YEAR | NAME                     | TITLE  |
|------|--------------------------|--|
| 2011 | Susan B. Shurin, MD      | Public Support of Biomedical Research  |
| 2010 | Susan E. Mackinnon, MD   | Nerve Injury – Changing the Surgical Paradigm through Translational Science  |
| 2009 | Jonathan A. Epstein, MD  | Insights from Developmental and Stem Cell Biology  |
| 2008 | Matts Karlsson, PhD      | The Link Between Engineering, Biomechanics, and Cardiovascular Physiology and Disease  |
| 2007 | Steven R. Bailey         | Nanotechnology – Impact on Cardiovascular Medicine   |
| 2006 | H. Robert Horvitz, PhD   | Genetic Control of Programmed Cell Death in <i>C. elegans</i>  |
| 2005 | Harry Dietz, MD          | New Insights Into the Pathogenesis and Treatment of Marfan Syndrome  |
| 2004 | John B. West, MD         | A Shortage of Oxygen: Lessons from the Summit of Mt. Everest   |
| 2003 | Richard White, MD        | Advanced Imaging: Aiding the “Mind’s Eye” of the Cardiothoracic Surgeon  |
| 2002 | Steven A. Rosenberg, MD  | The Immune Response to Human Cancer: Lessons from the Molecular Analysis of Patients with a Dramatic Response to Immunotherapy |
| 2001 | Gerald D. Buckberg, MD   | The Helix and the Heart  |
| 2000 | J. Craig Venter, PhD     | Decoding the Human Genome  |
| 1999 | Victor Dzau, MD          | Gene Therapy Strategies for Research Revascularization   |
| 1998 | Eric J. Topol, MD        | The Future of Coronary Thrombosis Prophylaxis  |
| 1997 | Ronald G. Crystal, MD    | Implications for Gene Therapy in Treating Coronary Artery Disease and Lung Cancer  |
| 1994 | Timothy A. Springer, PhD | Traffic Signals for Leukocyte Emigration from the Blood Stream   |
| 1993 | Andrew S. Wechsler, MD   | Molecular Biology: New Common Ground for Cardiothoracic Surgery  |
| 1992 | Kurt Benirschke, MD      | Twinning   |

| <b>YEAR</b> | <b>NAME</b>            | <b>TITLE</b>  |
|-------------|------------------------|---|
| 1991        | Fritz H. Bach, MD      | Transplant Immunology: A Broadening of the Concept for the Future |
| 1990        | Louis Siminovitch, MD  | Advances in Cancer Research—Bench to Bedside                      |
| 1989        | Russell Ross, MD       | The Pathogenesis of Atherosclerosis                               |
| 1988        | Raj K. Goyal, MD       | Physiology and Pathophysiology of Esophageal Peristalsis          |
| 1987        | Gustav J.V. Nossal, MD | Immuno-Regulation: The Key to Transplantation and Autoimmunity    |

## HONORED GUEST LECTURERS

| <b>YEAR</b> | <b>NAME</b>                 | <b>TITLE</b>   |
|-------------|-----------------------------|--|
| 2011        | Michael J. Mack, MD         | The Only Constant is Change  |
| 2010        | David Naylor, MD            | Too Big to Fail? Healthcare Reform in the U.S. and Canada                              |
| 2009        | Professor Michio Kaku       | The Creation of the Universe, String Theory, and Time Travel                           |
| 2008        | Marko I. Turina, MD         | 50 Years of Cardiothoracic Surgery Through the Looking Glass and What the Future Holds |
| 2007        | Mark B. McClellan           |  |
| 2006        | John P. Howe, III, MD       | A World in Need: Lessons Learned in Medical Diplomacy—The Project HOPE Perspective     |
| 2005        | Richard D. Weisel, MD       | Cardiac Regeneration   |
| 2004        | Joseph Macinnis, MD         | Leadership and Surgery: A View from Inside the Ocean                                   |
| 2003        | Frank Culbertson, CAPT, USN | The Challenges of Human Space Flight   |
| 2002        | Marc R. de Leval, MD        | Beyond Flatland  |
| 2001        | Mory Gharib                 | Bioengineering for the Exploration of Space: New Challenges                            |
| 2000        | James L. Barksdale          | Effects of the Net Economy   |
| 1999        | Judah Folkman, MD           | Experimental and Clinical Application of Angiogenesis Research                         |
| 1998        | Ken Taylor, MD              | A Practical Affair   |
| 1997        | Antoon E.M.R. Lerut, MD     | Esophageal Surgery at the End of the Millenium   |





| YEAR | NAME                         | TITLE   |
|------|------------------------------|---|
| 1996 | David H. Sachs, MD           | Tolerance to Allogeneic and Xenogeneic Transplants  |
| 1995 | Edmund D. Pellegrino, MD     | Medical Ethics in the 21 <sup>st</sup> Century: DNR or CPR?   |
| 1994 | Rodolfo Herrera-Llerandi, MD | A Thoracic Tale of Two Cities   |
| 1993 | Mark F. O'Brien, MD          | The Structure and Function of Tissue Valves; Some Lessons Learned from the Fate of Implanted Heart Valves |
| 1992 | Rene G. Favaloro, MD         | Coronary Artery Bypass Graft Surgery; Twenty-five Years Later—Some Landmarks                              |
| 1991 | Magdi Yacoub, MD             | Long-Term Transplantation as a Model  |
| 1990 | A.P. Naef, MD                | Pioneers and Milestones in Thoracic Surgery   |
| 1989 | Francis M. Fontan, MD        | Transplantation of Knowledge  |
| 1988 | Jaroslav F. Stark, MD        | Do We Really Correct Congenital Heart Defects?  |
| 1987 | Jean-Paul Binet              | New Frontiers—New Barriers  |
| 1986 | Ake Senning, MD              | The Cardiovascular Surgeon and the Liver  |
| 1985 | Hans G. Borst                | Hands Across the Ocean: German/American Relations in Thoracic Surgery                                     |
| 1984 | Adib D. Jatene, MD           | Left Ventricular Aneurysmectomy: Resection or Reconstruction?   |
| 1983 | Alain F. Carpentier, MD      | Valve Surgery: The French Correction  |
| 1982 | Wu Ying-Kai, MD              | Achievements in the Study and Control of Cancer of the Esophagus  |
| 1981 | Roger A. Smith, MD           | An Evaluation of the Long-Term Results of Surgery for Bronchial Carcinoma                                 |
| 1980 | H. D'Arcy Sutherland, MD     | Cardio-Thoracic Metamorphosis   |
| 1979 | Brian Barratt-Boyes, MD      | Cardiothoracic Surgery in the Antipodes   |
| 1978 | Donald Ross, MD              | Cardiac Surgery—The Golden Years  |
| 1977 | Charles Dubost, MD           |   |
| 1973 | Thomas H. Sellors, MD        | The Generality of Surgery   |
| 1972 | C. Rollins Hanlon, MD        | Specialization in Medicine  |
| 1971 | Roger O. Egeberg, MD         |   |
| 1970 | Leo Eloesser, MD             | Milestones In Chest Surgery   |
| 1969 | E.J. Zerbini, MD             | The Surgical Treatment of Tetralogy of Fallot   |
| 1968 | Christiaan N. Barnard, MD    | Experience with Human Heart Transplantation   |

| YEAR | NAME   | TITLE  |
|------|--|--|
| 1967 | Viking Olov Bjork, MD                              | Methods in Open Heart Surgery  |
| 1966 | Ronald Belsey, MD                                  | Functional Diseases of the Esophagus and their Surgical Management             |
| 1965 | A. Gerard Brom, MD                                 | Narrowing of the Aortic Isthmus and Enlargement of the Mind                    |
| 1964 | I. Boerema, MD                                     | The Use of Hyperbaric Oxygen in Thoracic Surgery                               |
| 1963 | Andrew Logan, MD                                   | The Surgical Treatment of Carcinoma of the Esophagus and Cardia                |
| 1962 | Norman R. Barrett, MD<br>Earle W. Wilkins, Jr., MD | Publish or Perish Experience With 500 Cases of Hiatus Hernia                   |
| 1961 | A.L. d'Abreu, MD                                   | Thoracic Surgery in the Commonwealth of Medicine                               |
| 1960 | Alfonso Topete, MD                                 | New Findings in the Coronary-Encephalic Perfusion in Depressive Surgical Cases |

## **GRAHAM EDUCATION AND RESEARCH FOUNDATION**

The Graham Education and Research Foundation supports the Evarts A. Graham Memorial Traveling Fellowship and the Research Scholarship programs. Since the inception of the Graham Traveling Fellowship program in 1951, 58 young surgeons from 29 countries have completed their training at thoracic surgery centers throughout North America.

### **Planned Gifts to the Foundation**

Dr. and Mrs. Roger R. Ecker, Alameda, CA Charitable Remainder Trust

For more information about planned giving, please contact the Foundation at 900 Cummings Center, Suite 221-U, Beverly, Massachusetts, 01915, or by phone at (978) 927-8330.





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## **EVARTS A. GRAHAM MEMORIAL TRAVELING FELLOWSHIP**

The Evarts A. Graham Memorial Traveling Fellowship was established in 1951 by the American Association for Thoracic Surgery. Funded and administered through the Graham Education and Research Foundation, it provides grants to young surgeons from abroad who have completed their formal training in general, thoracic and cardiovascular surgery. The award allows the recipient to study a year to intensify his training in a program of special interest and to travel to several sites to broaden his overall training and increase his contacts with thoracic surgeons internationally. Awards are made to surgeons of unique promise who have been regarded as having potential for later international thoracic surgical leadership. Since the inception of the Graham Fellowship, 56 young surgeons from 29 countries have completed their training at thoracic surgical centers.

- |     |         |   |
|-----|---------|---|
| 1.  | 1951-52 | L.L. Whytehead, MD, FRCS, Canada          |
| 2.  | 1953-54 | W.B. Ferguson, MB, FRCS, England          |
| 3.  | 1954-55 | Lance L. Bromley, M., Chir, FRCS, England |
| 4.  | 1955-56 | Raymond L. Hurt, FRCS, England            |
| 5.  | 1956-57 | Mathias Paneth, FRCS, England             |
| 6.  | 1957-58 | Peter L. Brunnen, FRCS, Scotland          |
| 7.  | 1958-59 | N.G. Meyne, MD, Holland                   |
| 8.  | 1960-61 | Godrej S. Karai, MD, India                |
| 9.  | 1961-62 | Fritz Helmer, MD, Austria                 |
| 10. | 1962-63 | Theodor M. Scheinin, MD, Finland          |
| 11. | 1963-64 | Masahiro Saigusa, MD, Japan               |
| 12. | 1963-64 | Adar J. Hallen, MD, Sweden                |
| 13. | 1964-65 | Stuart C. Lennox, MD, England             |
| 14. | 1964-65 | Elias Carapistolis, MD, FACS, Greece      |
| 15. | 1965-66 | Gerhard Friehs, MD, Austria               |



16. 1965-66 Ary Blesovsky, MD, England
17. 1966-67 C. Peter Clarke, FRACS, Australia
18. 1966-67 G.B. Parulkar, MD, India
19. 1967-68 Claus Jessen, MD, Denmark
20. 1969-70 Peter Bruecke, MD, Austria
21. 1970-71 Michel S. Slim, MD, Lebanon
22. 1971-72 Severi Pellervo Mattila, MD, Finland
23. 1972-73 Yasuyuki Fujiwara, MD, Japan
24. 1973-74 Marc Roger deLeval, MD, England
25. 1974-75 J.J. DeWet Lubbe, MD, South Africa
26. 1975-76 Mieczyslaw Trenkner, MD, Poland
27. 1976-77 Bum Koo Cho, MD, Korea
28. 1977-78 Alan William Gale, MD, FRACP, FRACS, Australia
29. 1978-79 Eduardo Otero Coto, MD, Spain
30. 1981-82 Richard Firmin, MD, England
31. 1981-82 Claudio A. Salles, MD, Brazil
32. 1982-83 Yasuhisa Shimazaki, MD, Japan
33. 1983-84 Georg S. Kobinia, MD, Austria
34. 1984-85 Aram Smolinsky, MD, Israel
35. 1985-86 Florentino J. Vargas, MD, Argentina
36. 1986-87 Ari L.J. Harjula, MD, Finland
37. 1987-88 Byung-Chul Chang, MD, Korea
38. 1988-89 Wang Cheng, MD, P.R. China
39. 1989-90 Christopher Knott-Craig, MD, South Africa
40. 1991-92 Ko Bando, MD, PhD, Japan
41. 1992-93 Timothy E. Oaks, MD, United States
42. 1993-94 Alain Serraf, MD, Morocco
43. 1995-96 Cornelius McKown Dyke, MD, United States
44. 1996-97 Monica Robotin-Johnson, MD, France
45. 1997-98 Jun Wan, MD, P.R. of China
46. 1998-99 Christian Kreutzer, MD, Argentina
47. 1999-00 Anders Franco-Cereceda, MD, Sweden
48. 2000-01 Albertus M. Scheule, MD, Germany
49. 2001-02 Anna Maria Ciccone, MD, Italy
50. 2002-03 Cliff K.C. Choong, MD, New Zealand
51. 2003-04 Edvin Prifti, MD, Albania
52. 2004-05 Smruti Ranjan Mohanty, MD, India
53. 2005-06 Zsolt Tóth, MD, Hungary
54. 2006-07 Ari Mennander, MD, Finland
55. 2007-08 Ioannis Toumpoulis, MD, Greece
56. 2008-09 Sachin Talwar, MD, India
57. 2009-10 Juan J. Fibla, MD, PhD, FETCS, Spain
58. 2010-11 Mohsen Ibrahim, MD, Italy
59. 2011-12 Zhigang Li, MD, Shanghai, China



### **Research Scholarship Recipients**

The American Association for Thoracic Surgery Research Scholarship was established by the Association in 1985. Funded by the Graham Education and Research Foundation, the Research Scholarship provides opportunity for research, training and experience for North American surgeons committed to pursuing an academic career in cardiothoracic surgery. The program is undertaken within the first three years after completion of an approved cardiothoracic residency and is two years in duration.

#### **Michael E. DeBakey Research Scholarship**

2011-2013 Marcelo Cypel, MD, MSc  
University of Toronto  
  
Frederick Tibayan, MD  
Oregon Health and Science University

#### **Third Alfred Blalock Research Scholarship**

2010-2012 Matthias Peltz, MD  
University of Texas Southwestern Medical Center

#### **Third Edward D. Churchill Research Scholarship**

2009-2011 Prasad S. Adusumilli, MD  
Memorial Sloan-Kettering Cancer Center  
  
William M. Yarbrough, MD  
Medical University of South Carolina

#### **Norman E. Shumway Research Scholarship**

2008-2010 Alexander S. Krupnick, MD  
Washington University  
  
Michael P. Fischbein, MD  
Stanford University

#### **Second Dwight Harken Research Scholarship**

2007-2009 Shu S. Lin, MD  
Duke University Medical Center

#### **John W. Kirklin Research Scholarship**

2006-2008 Daniel Kreisel, MD  
Washington University  
  
Christine Lau, MD  
University of Michigan

**Second Andrew G. Morrow Research Scholarship**

2005-2007 Marc de Perrot, MD, MSc  
University of Toronto/Toronto General Hospital  
  
Frederick Y. Chen, MD  
Brigham & Women's Hospital

**Second John Alexander Research Scholarship**

2004-2006 King F. Kwong, MD  
University of Maryland

**Second Robert E. Gross Research Scholarship**

2003-2005 Ross M. Bremner, MD, PhD  
St. Joseph's Hospital  
  
Vivek Rao, MD, PhD  
Toronto General Hospital

**Second Alton Ochsner Research Scholarship**

2002-2004 Yolonda L. Colson, MD  
Brigham & Women's Hospital  
  
Michael S. Mulligan, MD  
University of Washington Medical Center

**Second John H. Gibbon, Jr. Research Scholarship**

2001-2003 Richard J. Battafarano, MD, PhD  
University of Maryland  
  
Carmelo A. Milano, MD  
Duke University Medical Center

**Second Alfred Blalock Research Scholarship**

2000-2002 Abbas Ardehali, MD  
UCLA School of Medicine  
  
Thomas K. Waddell, MD, MSc, PhD  
University of Toronto and Toronto General Hospital

**The Second Edward D. Churchill Research Scholarship**

1999-2001 Joseph B. Shrager, MD  
University of Pennsylvania

**Dwight Harken Research Scholarship**

1998-2000 Bruce Rosengard, MD  
Massachusetts General Hospital





**Andrew G. Morrow Research Scholarship**

1997-1999 Stephen C. Yang, MD  
Johns Hopkins University School of Medicine

**John Alexander Research Scholarship**

1996-1998 Richard Norris Pierson, III, MD  
University of Maryland

**Robert E. Gross Research Scholarship**

1994-1996 Mehmet C. Oz, MD  
Columbia Presbyterian Medical Center  
  
Thoralf M. Sundt, III, MD  
Massachusetts General Hospital

**Alton Ochsner Research Scholarship**

1992-1994 David H. Adams, MD  
Brigham and Women's Hospital

**John H. Gibbon, Jr., Research Scholarship**

1990-1992 Donald D. Glower, MD  
Duke University Medical Center

**Alfred Blalock Research Scholarship**

1988-1990 Gus J. Vlahakes, MD  
Massachusetts General Hospital and Harvard Medical School

**Edward D. Churchill Research Scholarship**

1986-1988 Mark K. Ferguson, MD  
University of Chicago, Department of Surgery

**Scientific Achievement Award**

The American Association for Thoracic Surgery Scientific Achievement Award was established by the Association in 1994. The award serves to honor individuals who have achieved scientific contributions in the field of thoracic surgery worthy of the highest recognition the Association can bestow. Honorees receive a Medallion for Scientific Achievement from the Association presented by the president at the Annual Meeting and the honoree's name and biography is printed in the *The Journal of Thoracic and Cardiovascular Surgery*.

**Recipients**

2011 Marc R. de Leval London, United Kingdom  
2010 Richard D. Weisel, Toronto, ON, Canada  
2008 Andrew S. Wechsler, Philadelphia, PA  
2007 Gerald D. Buckberg, Los Angeles, CA

|      |                                    |
|------|------------------------------------|
| 2005 | Alain F. Carpentier, Paris, France |
| 2000 | Denton A. Cooley, Houston, TX      |
| 1999 | Michael E. DeBakey, Houston, TX    |
| 1998 | Norman E. Shumway, Stanford, CA    |
| 1995 | John W. Kirklin, Birmingham, AL    |

### Lifetime Achievement Award

The American Association for Thoracic Surgery established the Lifetime Achievement Award in 2003. The Award serves to recognize individuals for their significant contributions to cardiothoracic surgery in the areas of patient care, teaching, research, or community service. Honorees receive a plaque for Lifetime Achievement from the Association presented by the president at the Annual Meeting.

### Recipients

|      |  |
|------|--|
| 2009 | Thomas B. Ferguson, St. Louis, MO        |
| 2007 | Frank C. Spencer, New York, NY           |
| 2004 | F. Griffith Pearson, Toronto, ON, Canada |

## C. WALTON LILLEHEI RESIDENT FORUM

Through a generous unrestricted educational grant from St. Jude Medical, Inc., this Forum recognizes the extraordinary contributions to our specialty by a great innovator in congenital and vascular disease. Selected by the Cardiothoracic Residents Committee, the recipient receives a \$5,000 award.

### Winners

|             |  |
|-------------|--|
| <b>2010</b> | Bobby Yanagawa, Toronto, ON, Canada<br><i>BRCA1 is a Novel Regulator of Cardiac Function via Altering Myocardial Substrate Utilization and Mitochondrial Bioenergetics</i>                                   |
| <b>2009</b> | J. Raymond Fitzpatrick, Philadelphia, PA, USA<br><i>Tissue Engineered Pro-Angiogenic Fibroblast Matrix Improves Myocardial Perfusion and Function and Limits Ventricular Remodeling Following Infarction</i> |
| <b>2008</b> | Turner C. Lisle, Charlottesville, VA<br><i>Inflammatory Lung Injury After Cardiopulmonary Bypass Is Attenuated by Adenosine A2A Receptor Activation</i>  |



- 2007** Leo M. Gazoni, Charlottesville, NC  
*Timing Is Everything. Pretreatment of Donor Lungs with the Adenosine 2A Receptor Agonist ATL-313 Results in Superior Protection From Lung Ischemia Reperfusion Injury Versus Administration During Reperfusion*
- 2006** Jae Y. Kim, San Francisco, CA  
*WNT Inhibitory Factor Inhibits Lung Cancer Cell Growth*
- Amir M. Sheikh, Durham, NC  
*Proteomics of Brain Injury in a Neonatal Model of Deep Hypothermic Circulatory Arrest*
- 2005** Paul W. Fedak, Toronto, ON Canada  
*Cell Transplantation Preserves Matrix Homeostasis: A Novel Paracrine Mechanism*
- 2004** Filiberto Rodriguez, Palo Alto, CA  
*Alterations of Transmural Strains In the Ischemic Border Zone During Acute Mid-Circumflex Occlusion*
- Mark F. Berry, Philadelphia, PA  
*Targeted Overexpression of Leukemia Inhibitory Factor Preserves Myocardium In Postinfarction Heart Failure*
- 2003** Sunil Singhal, Philadelphia, PA  
*Preoperative Viral Gene Transfer of Interferon-Beta Prevents Recurrence and Improves Survival In Advanced Thoracic Malignancies*
- 2002** Subhasis Chatterjee, Philadelphia, PA  
*Viral Gene Transfer of the Anti-Apoptotic Factor ARC Protects Against Post Ischemic Heart Failure*
- 2001** Tomasz A. Timek, Palo Alto, CA  
*Septal-Lateral Annular Cinching Abolishes Acute Ischemic Mitral Regurgitation In Sheep*
- 2000** Allan S. Stewart, Philadelphia, PA  
*Gene Transfer of Bcl-2 Does Not Affect Myocardial Stunning But Ameliorates the Deleterious Effects of Chronic Remodeling*
- 1999** Andrew I. Campbell, Toronto, ON, Canada  
*Angiogenic Therapy with Vascular Endothelial Growth Factor Reverses Pulmonary Hypertension*
- 1998** Stephen D. Cassivi, Toronto, ON, Canada  
*Transgene Expression Following Adenoviral-Mediated Retransfection of Rat Lungs Is Increased and Prolonged by Transplantation-Level Immunosuppression*

## **AMERICAN ASSOCIATION FOR THORACIC SURGERY BY-LAWS**

### **ARTICLE I. NAME**

The name of this Corporation is The American Association for Thoracic Surgery (hereinafter the "Association").

### **ARTICLE II. PURPOSE**

The purposes of the Association shall be:

To associate persons interested in, and carry on activities related to, the science and practice of thoracic surgery, the cure of thoracic disease and the related sciences.

To encourage and stimulate investigation and study that will increase the knowledge of intrathoracic physiology, pathology and therapy, and to correlate and disseminate such knowledge.

To hold scientific meetings featuring free discussion of problems and developments relating to thoracic surgery, and to sponsor a journal for the publication of scientific papers presented at such meetings and other suitable articles.

To succeed to, and continue to carry on the activities formerly conducted by The American Association for Thoracic Surgery, an unincorporated association.

### **ARTICLE III. MEMBERSHIP**

**Section 1.** There shall be three classes of members: Honorary, Senior, and Active. Admission to membership in the Association shall be by election. Membership shall be limited, the limits on the respective classes to be determined by these By-Laws. Only Active and Senior Members shall have the privilege of voting or holding office, except as provided by these By-Laws. Honorary members shall have the privilege of voting but shall not be eligible to hold office.

**Section 2.** Honorary Membership shall be reserved for such distinguished persons as may be deemed worthy of this honor by the Council with concurrence of the Association





**Section 3.** The number of Senior Members shall be unlimited. Active Members automatically advance to Senior Membership at the age of seventy years or upon request after the age of sixty-five. In addition, a younger Active Member may be eligible for Senior Membership by petition to and approval by the Council.

**Section 4.** Active Membership shall be limited to seven hundred fifty. A candidate to be eligible must be a physician and shall have achieved distinction in the thoracic field or shall have made a meritorious contribution to knowledge pertaining to thoracic disease or its surgical treatment.

**Section 5.** Election to Honorary, Senior or Active Membership shall be for life, subject to the provisions of Section 8 following and Article IX hereof. All new members shall be elected directly to Honorary or Active status.

**Section 6.** Candidates for membership in this Association must be formally nominated and seconded, in an approved manner, by not less than three Active, Senior or Honorary Members. Such nomination must have been in the hands of the Membership Committee for not less than four months, and the name of the candidate must have been distributed to all members of the Association before final action may be taken on any new candidate for election to Active Membership. Provided the foregoing requirements have been met and the candidates have been approved by the Membership Committee and by the Council, their names shall be presented to the Association at a future regularly convened annual meeting for final action. A three-fourths vote of those present and voting shall be required to elect. Any candidate for membership in the Association who has failed of election three times shall automatically cease to be a candidate and may not be renominated until after a lapse of three years.

**Section 7.** The report of the Membership Committee shall be rendered at the second executive session of each annual meeting of the Association. Candidates shall be presented in groups in the following order: Candidates for Honorary Membership; retirement of Active Members to Senior Membership; Candidates for Active Membership; members dropped from the rolls of the Association.

**Section 8.** Members in good standing may resign at any time. Resignation shall not relieve a member of the obligation to pay outstanding dues or assessments. The Council may delay or refuse to accept the resignation of any member who has received written notification that the Ethics Committee is conducting an investigation concerning the member's conduct until a final decision on the matter has been issued in accordance with the Procedural Guidelines for Ethics Complaints Against AATS Members established by the Council. A member whose resignation is not accepted by the Council is not required to pay dues or assessments after submission of the resignation.

**Section 9.** The Council shall recommend that any Active Member whose dues are in arrears for two years shall have his/her membership terminated, except that if the Ethics Committee is conducting an investigation concerning the member's conduct, such member's membership shall not be terminated until a final decision on the matter has been issued in accordance with the Procedural Guidelines for Ethics Complaints Against AATS Members established by the Council.

## **ARTICLE IV. BOARD OF DIRECTORS ("COUNCIL")**

**Section 1.** The Board of Directors of the Association shall be called the Council and shall be composed of the President, President-Elect, Vice-President, Secretary, Treasurer, and six Councilors. The Editor of the Association and the chairs of the Education Committee and the Scientific Affairs and Government Relations Committee shall be members ex-officio without vote. All members of the Council must be Active or Senior Members of the Association, except that the Editor may be an Honorary Member.

**Section 2.** The Council shall be the governing body of the Association, and shall have full power to manage and act on all affairs of the Association, except as follows:

It may not levy any general assessments against the membership but it may, in individual cases, waive annual dues or assessments.

It may not change the Articles of Incorporation or By-Laws.

It may neither elect new members nor alter the status of existing members, other than to apply the provisions of Article III,

Sections 8 and 9 and Article IX.

The Council may adopt such rules and regulations for the conduct of the Association's affairs as the Council deems necessary or advisable, including specifically the Procedural Guidelines for Ethics Complaints Against AATS Members.

**Section 3.** At the conclusion of the annual meeting, the retiring President shall automatically become a Councilor for a one-year term office. One of the other five Councilors shall be elected at each annual meeting of the Association to serve for a four-year term of office in the place of the elected Councilor whose term expires at such meeting. When appropriate, one of the Councilors shall be elected from among the non-North American members of the Association to serve for a three-year term of office. No Councilor may be reelected to succeed himself/herself. Any Councilor so elected shall take office upon the conclusion of the annual meeting at which he/she is elected.

**Section 4.** Vacancies in the office of Councilor shall be temporarily filled by the Council subject to approval of the Association at the next annual meeting of the Association.





## ARTICLE V. OFFICERS

**Section 1.** The officers of the Association shall be President, a President-Elect, a Vice-President, a Secretary, and a Treasurer. All officers must be Active or Senior Members of the Association. Said officers shall be ex-officio members of the Council of the Association.

**Section 2.** The Council may, for the purposes of Article IV, give status as officers of the Association to the individual members of an ad hoc Committee appointed by the Council.

**Section 3.** The President, President-Elect, Vice-President, Secretary and Treasurer shall be elected at the annual meeting of the Association and shall take office upon conclusion of the meeting. The President, President-Elect, and the Vice-President shall be elected for a one-year term of office. The Secretary and the Treasurer shall be elected for a one-year term of office and may be reelected for not more than four additional terms.

**Section 4.** The President of the Association shall perform all duties customarily pertaining to the office of President. He/she shall preside at all meeting of the Association and at all meetings of the Council.

**Section 5.** The President-Elect of the Association shall, in the absence or inability of the President to serve, perform all duties customarily pertaining to the office of President. In this instance the Council shall advance the Vice-President to the office of the President-Elect and appoint an interim Vice-President as necessary.

**Section 6.** The Secretary of the Association shall perform all duties customarily pertaining to the office of Secretary. He/she shall serve as Secretary of the Association and as Secretary of the Council. When deemed appropriate an Active or Senior Member may be elected to serve as an understudy to the Secretary in anticipation of the latter's retirement from office.

**Section 7.** The Treasurer of the Association shall perform all duties customarily pertaining to the office of Treasurer. He/she shall serve as Treasurer of the Association and as a member of the Program Committee. When deemed appropriate an Active or Senior Member may be elected to serve as an understudy to the Treasurer in anticipation of the latter's retirement from office.

**Section 8.** The Editor of the Association is not an officer of the Association. The Editor shall be appointed by the Council at its annual meeting; provided, however, that such appointment shall not become effective until approved by the Association at the annual meeting of the Association. The Editor shall be appointed for a five-year term and may be reappointed to no more than two additional one-year terms. The Editor shall serve as the Editor of the Official Journal and shall be ex officio the Chair of the Editorial Board and a member of the Council of the Association without vote.

**Section 9.** Vacancies occurring among the officers named in Section I or a vacancy in the position of Editor shall be temporarily filled by the Council, subject to approval of the Association at the next meeting of the Association.

## ARTICLE VI. COMMITTEES

**Section 1.** The Council is empowered to appoint a Membership Committee, a Program Committee, a Necrology Committee and such other committees as may in its opinion be necessary or desirable. All such committees shall render their reports at an executive session of the Association, except that no ad hoc committee need report unless so directed by the Council.

**Section 2.** The Membership Committee shall consist of eight (8) Active or Senior Members, two of whom shall be from outside North America. The Council may appoint not more than one of its own members to serve on this Committee. The duties of the Membership Committee are to investigate all candidates for membership in the Association and to report its findings as expeditiously as possible to the Council through the Secretary of the Association. This Committee is also charged with searching the international literature to the end that proper candidates may be presented to the Association for consideration. A Chair shall be appointed from among the current members who shall serve a single two-year term. North American appointments to this Committee shall be for a period of one year, and not more than four (4) of the North American members may be reappointed to succeed themselves. Non-North American appointments to this Committee shall be for a period of two years and may not be reappointed to succeed themselves.

**Section 3.** The Program Committee shall consist of at least 17 members: the President, the President-Elect, the Vice President, the Secretary, the Treasurer, the Past President, the Editor, the Chair of the Education Committee, and at least 9 members-at-large, three each representing the areas of adult cardiac, pediatric cardiac and general thoracic surgery. The President or his/her designee shall serve as the Chair of this Committee. Three of these members-at-large shall be appointed each year by the President for a three-year term. Additional Committee members shall be appointed for one or two-year terms. The duties of this Committee shall be to arrange, in conformity with instructions from the Council, the scientific program for the annual meeting.

**Section 4.** The Nomination Committee shall consist of the five (5) immediate Past Presidents of the Association. The most senior Past President shall serve as Chair. This Committee shall prepare a slate of nominees for Officers and Councilors upon instruction from the Council as to the vacancies which are to be filled by election and shall present its report at the second executive session of the Annual Meeting.

**Section 5.** The Association as a whole may authorize the Council to appoint Scientific or Research Committees for the purpose of investigating thoracic problems and may further authorize the Council to support financially such committees





to a limited degree. When Scientific or Research Committees are authorized by the Association, the Council shall appoint the Chairs of these Committees, with power to organize their committees in any way best calculated to accomplish the desired object, subject only to the approval of the Council. Financial aid rendered to such Committees shall not exceed such annual or special appropriations as may be specifically voted for such purposes by the Council. Members are urged to cooperate with all Scientific or Research Committees of the Association.

**Section 6.** The Evarts A. Graham Memorial Traveling Fellowship Committee shall consist of eight members: two cardiac surgeons, two general thoracic surgeons, two transplant surgeons, and two pediatric heart surgeons, two to be appointed each year for four year terms with the senior two members of the Committee serving as Co-Chairs. The duties of the Committee shall be to recommend Graham Fellowship candidates to the Graham Education and Research Foundation, and to carry out other business pertaining to the Fellowship and Fellows, past, present and future.

**Section 7.** The Editorial Board shall be appointed by the Editor, subject only to the approval of the Council. The Editor shall be, ex officio, the chairman of this board and shall be privileged to appoint and indefinitely reappoint such members of the Association, regardless of class of membership, and such non-members of the Association as in his/her opinion may be best calculated to meet the editorial requirements of the Association.

**Section 8.** The Ethics Committee shall consist of seven members appointed by the Council, one of whom shall be named as Chair by the Council. The members shall serve a five year term, and may be reappointed. The Ethics Committee shall investigate complaints alleging ethical breaches of Association members received in writing or it may investigate a member's conduct on its own initiative. A majority of the Ethics Committee shall constitute a quorum, and the act of a majority of the members present at a meeting at which a quorum is present shall be the act of the Ethics Committee.

The Ethics Committee may discipline any member for (i) failure to meet the requirements for membership in the Association, (ii) conduct in violation of these By-Laws, the Code of Ethics adopted by the membership of the Association, or the Association's rules and policies, (iii) being convicted of or pleading guilty to a felony or any crime arising out of the practice of medicine or involving moral turpitude, (iv) being disciplined by, or otherwise having the member's right to practice medicine limited, suspended, terminated or otherwise affected by, any medical licensing authority, or (v) engaging in conduct inconsistent with the purposes of the Association.

**Section 9.** The Education Committee shall consist of nine (9) members with three (3) members being appointed each year by the Council for a three (3) year term. At least three (3) members shall represent the areas of adult cardiac, pediatric cardiac and general thoracic surgery. In addition, a chair shall be appointed by the Council for a three (3) year term who shall be a member of the Council, ex officio

without vote and a member of the Program Committee. The committee shall be responsible for identifying areas within the specialty for which additional training and education are necessary and the selection of topics and chairs for postgraduate activity to address these areas.

**Section 10.** The Committee on Publications shall consist of the Secretary as Chair, the President-Elect, the Vice President, the Treasurer, and the Executive Director. The Committee shall oversee the business relationships between the Association and the publisher of its journal maintain liaison among the publisher, the Editor, and the Council, and shall have advisory oversight for all official scientific publications of the Association and make recommendations to the Editor and the Council.

**Section 11.** The Cardiothoracic Residents Committee shall consist of eight members appointed by the Council. Two members shall be appointed each year for a four-year term with the senior two members of the Committee serving as Co-Chairs. At least two members shall represent adult cardiac surgery, general thoracic surgery, congenital heart surgery, and the Editorial Advisory Board of THE JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY. The duties of the committee shall include the development of educational activities specifically directed at cardiothoracic residents, the review of scientific material submitted for any resident award program and the selection of any such awardees and the responsibility for recommending to the Council the generation of new programs of interest to cardiothoracic residents.

**Section 12.** The Scientific Affairs and Government Relations Committee shall consist of a Chair, appointed by the Council who shall serve a term of three (3) years and shall be a member of the Council, ex officio, without vote, the Secretary who shall serve ex-officio and such members as the Council may deem appropriate to fulfill the responsibilities of the committee who shall serve for one (1) year. The committee shall be responsible for identifying and interacting with the various Federal agencies and institutions which affect research activities and funding in cardiothoracic surgery. It shall serve as a resource to the membership in the development of programmatic activities appropriate to research efforts in the specialty.

**Section 13.** The Research Scholarship Committee shall consist of nine (9) members appointed by the Council. Two members shall be appointed each year for a four-year term with the senior two members of the Committee serving as Co-Chairs. Two members shall represent adult cardiac surgery, general thoracic surgery, congenital heart surgery and transplant surgery. The duties of the Committee shall include the review of scientific material submitted for all research award programs and to recommend research award candidates to the Graham Education and Research Foundation, and the responsibility for recommending to the Council the generation of new research programs of interest to cardiothoracic surgeons.





## ARTICLE VII. FINANCES

**Section 1.** The fiscal year of the Association shall begin on the first day of January and end on the last day of December each year.

**Section 2.** Members shall contribute to the financial maintenance of the Association through initiation fees, annual dues, and special assessments. The amount of the annual dues and the initiation fees shall be determined by the Council. If, at the end of any fiscal year, there is a deficit in the current funds of the Association, the Council may send out notices to that effect and invite Active members to contribute the necessary amount so that no deficit is carried over from one fiscal year to another. The Association may, in any regularly convened meeting, vote a special assessment which shall become an obligatory charge against the classes of members affected thereby.

**Section 3.** To meet the current expenses of the Association, there shall be available all revenue derived by the Association.

## ARTICLE VIII. MEETINGS

**Section 1.** The time, place, duration, and procedure of the annual meeting of the Association shall be determined by the Council and the provisions of the By-Laws.

**Section 2.** Notice of any meeting of the Association shall be given to each member of the Association not less than five nor more than forty days prior to any annual meeting and not less than thirty nor more than forty days prior to any special meeting by written or printed notice delivered personally or electronically by mail, by or at the direction of the Council, the President or the Secretary. Such notice shall state the place, day and hour of the meeting and in the case of a special meeting shall also state the purpose or purposes for which the meeting is called.

**Section 3.** A special meeting of the Association may be called by the Council or on the written request of fifteen members delivered to the Council, the President or the Secretary. The specific purposes of the meeting must be stated in the request.

**Section 4.** Attendance at annual meetings and participation in the scientific programs shall be optional for all Honorary and Senior Members, but it shall be expected from all Active Members.

**Section 5.** Each annual meeting shall have at least two executive sessions.

**Section 6.** When the Association convenes for its annual meeting, it shall immediately go into the first executive session, but the business at this session shall be limited to:

Appointment of necessary committees.

Miscellaneous business of an urgent nature.

**Section 7.** The second executive session of the Association shall be held during the afternoon of the second day of the meeting. The business at this session shall include, but is not limited to:

Reading or waiver of reading of the minutes of the preceding meetings of the Association and the Council.

Report of the Treasurer of the last fiscal year.

Audit Report.

Report of the Necrology.

Report of the Program Committee.

Action on amendments to the Articles of Incorporation and By-Laws, if any.

Action on recommendations emanating from the Council.

Unfinished Business.

New Business.

Report of the Membership Committee.

Election of new members.

Report of Nominating Committee.

Election of officers.

**Section 8.** Except where otherwise required by law or these By-Laws, all questions at a meeting of the members shall be decided by a majority vote of the members present in person and voting. Voting by proxy is not permitted.

**Section 9.** Fifty voting members present in person shall constitute a quorum at a meeting of members.

**Section 10.** While the scientific session of the annual meeting is held primarily for the benefit of the members of the Association, it may be open to non-members who are able to submit satisfactory credentials, who register in a specified manner, and who pay such registration fee as may be determined and published by the Council from year to year.

**Section 11.** There shall be an annual meeting of the Council held during the annual meeting of the Association. Additional meetings of the Council may be called on not less than seven days' prior written or telephonic notice by the President, the Secretary or any three members of the Council.

**Section 12.** Six members of the Council shall constitute a quorum for the conduct of business at any meeting of the Council, but a smaller number may adjourn any such meeting.





**Section 13.** Whenever any notice is required to be given to any member of the Council, a waiver thereof in writing, signed by the member of the Council entitled to such notice, whether before or after the time state therein, shall be deemed equivalent thereto.

**Section 14.** Any action which may be or is required to be taken at a meeting of the Council may be taken without a meeting if a consent in writing, setting forth the action so taken, shall be signed by all of the members of the Council. Any such consent shall have the same force and effect as a unanimous vote at a duly called and constituted meeting.

## ARTICLE IX. DISCIPLINE

Any member of the Association may be admonished, censured, placed on probation, suspended or expelled for (i) failure to meet the requirements for membership in the Association, (ii) conduct in violation of these By-Laws, the Code of Ethics adopted by the membership of the Association, or the Association's rules and policies, (iii) being convicted of or pleading guilty to a felony or any crime arising out of the practice of medicine or involving moral turpitude, (iv) being disciplined by, or otherwise having the member's right to practice medicine limited, suspended, terminated or otherwise affected by, any medical licensing authority, or (v) engaging in conduct inconsistent with the purposes of the Association. Disciplinary actions shall be conducted in accordance with the Procedural Guidelines for Ethics Complaints Against AATS Members established by the Council, which procedures shall include written notification to the member of the infraction and an opportunity for a hearing.

## ARTICLE X. INDEMNIFICATION

**Section 1.** The Association shall indemnify any and all of its Councilors (hereinafter in this Article referred to as "directors"), officers, employees, committee members and agents, or former directors, officers, employees, committee members and agents, or other person who has served or shall serve at the Association's request or by its election as a director or officer of another corporation or association, against expenses actually and necessarily incurred by them in connection with the defense or settlement of any action, suit or proceeding in which they, or any of them, are made parties, or a party, by reason of being or having been directors, officers, employees, committee members or agents of the Association, or directors or officers of such other corporation or association, provided, however, that the foregoing shall not apply to matters as to which any such director, officer, employee, committee member or agent, or former director, officer, employee, committee member or agent or person shall be adjudged in such action, suit or proceeding to be liable for willful misconduct in the performance of duty or to such matters as shall be settled by agreement predicated on the existence of such liability.

**Section 2.** Upon specific authorization by the Council, the Association may purchase and maintain insurance on behalf of any and all of its directors, officers, employees, committee members or agents, or former directors, officers, employees, committee members or agents, or any person who has served or shall serve at the Association's request or by its election as a director or officer of another corporation or association, against any liability or settlement based on asserted liability, incurred by them by reason of being or having been directors, officers, employees, committee members or agents of the Association or directors or officers of such other corporation or association, whether or not the Association would have the power to indemnify them against such liability or settlement under the provisions of Section 1.

## ARTICLE XI. PAPERS

**Section 1.** All papers read before the Association shall become the property of the Association. Authors shall provide original or electronic copies of their manuscripts to the Editor, prior to the time of presentation, for consideration for publication in the official Journal.

**Section 2.** When the number of papers makes it desirable, the Council may require authors to present their papers in abstract, and may set a time limit on discussions.

## ARTICLE XII. INITIATION FEES, DUES AND ASSESSMENTS

**Section 1.** Honorary Members of the Association are exempt from all initiation fees, dues, and assessments.

**Section 2.** Annual dues for Active Members shall be established by the Council and shall include a year's subscription to THE JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY.

**Section 3.** Senior Members are exempt from dues.

**Section 4.** The initiation fee for those elected directly to Active Membership shall be established by the Council.

**Section 5.** Active Members must subscribe to THE JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY to retain their membership status.

**Section 6.** Subscription to THE JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY is optional for Senior Members.

**Section 7.** Bills for membership dues and for subscriptions to THE JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY will be mailed to members by the Treasurer at the beginning of the fiscal year.





### **ARTICLE XIII. PARLIAMENTARY PROCEDURE**

Except where otherwise provided in these By-Laws or by law, all parliamentary proceedings at the meetings of this Association and its Council and Committees shall be governed by the then current Sturgis Standard Code of Parliamentary Procedure.

### **ARTICLE XIV. AMENDMENTS**

**Section 1.** These By-Laws may be amended by a two-thirds vote of the members present and voting at an executive session of a properly convened annual or special meeting of the Association provided that the proposed amendment has been moved and seconded by not less than three members at a prior executive session of that meeting or a prior meeting of the Association.

**Section 2.** These By-Laws may be suspended in whole or in part for a period of not more than twelve hours by a unanimous vote of those present and voting at any regularly convened meeting of the Association.

**As amended, May, 2010**

## **JOINT AATS/STS POLICY STATEMENT ON EDUCATIONAL COURSES**

The American Association for Thoracic Surgery (AATS) and the Society of Thoracic Surgeons (STS) strongly discourage others from holding educational events in the general locations of STS or AATS sponsored meetings, including the STS and AATS Annual Meetings and the jointly sponsored Tech-Con Programs and Postgraduate Courses, during the 48 hours preceding those meetings. Such unauthorized events are deemed detrimental to STS and AATS educational efforts, and create excessive demands on the time and resources of cardiothoracic surgeons. Both STS and AATS urge their members and corporate partners, as well as other education providers, to respect and adhere to this policy. In turn, each organization will seek to accommodate others in their efforts to reach the cardiothoracic surgery audience in conjunction with their respective and jointly conducted meetings.

For a complete listing of AATS policies, including Guidelines for Using the Cardiothoracic Operation as a Teaching Instrument and Ethical Standards for Cardiothoracic Surgeons

**Relating to Industry, please visit [www.aats.org/Association/Policies](http://www.aats.org/Association/Policies)**





## 2010–2011 ALPHABETICAL ROSTER

*(Current as of April, 2011)*

IMPORTANT NOTICE: Members may access complete contact information on the members section of [www.aats.org](http://www.aats.org).

### HONORARY MEMBERS

Abbey-Smith, R  
Binet, Jean-Paul  
Borst, Hans G  
Carpentier, Alain F  
de Leval, Marc R  
Fontan, Francis M  
Herrera-Llerandi, Rodolfo

Jatene, Adib D  
Lerut, Antoon EMR  
Maloney, William T  
Naef, Andreas P  
O'Brien, Mark F  
Ross, Donald N

Stark, Jaroslav F  
Taylor, Kenneth M  
Turina, Marko I  
Weisel, Richard D  
West, John B  
Yacoub, Magdi

### MEMBERS

#### A

\*Aaron, Benjamin L  
\*Abe, Tomio  
\*Aberg, Torkel H  
Accola, Kevin D  
\*Acinapura, Anthony J  
Acker, Michael A  
Ad, Niv  
\*Adam, Maurice  
Adams, David H  
Adams, Peter X  
\*Adler, Richard H  
Agnihotri, Arvind K

Akhter, Shahab  
Akins, Cary W  
\*Albers, John E  
Aldea, Gabriel S  
\*Alexander, James A  
\*Alexi-Meskishvili, Vladimir  
Alfieri, Ottavio R  
\*Alford, William, Jr  
Al-Halees, Zohair Y, III  
Allan, James S  
Allen, Bradley S  
Allen, Keith B, Jr  
Allen, Margaret D  
Allen, Mark S

\*Allen, Peter  
Almassi, G Hossein  
\*Almond, Carl H  
Altorki, Nasser K  
\*Amato, Joseph J  
\*Anagnostopoulos, CE  
\*Andersen, Murray N  
\*Anderson, Robert W  
\*Andrews, Neil C  
Angelini, Gianni D  
\*Angell, William W  
\*Ankeney, Jay L  
Antunes, Manuel J  
Anyanwu, Anelechi C

\*Senior Member



# 91ST ANNUAL MEETING

## MAY 7-11, 2011 | PHILADELPHIA, PA

Arabia, Francisco A  
 Aranki, Sary F  
 \*Arbulu, Agustin  
 \*Arciniegas, Eduardo  
 Ardehali, Abbas  
 Argenziano, Michael  
 \*Aris, Alejandro  
 Armitage, John M  
 Aru, Giorgio M  
 Ascione, Raimondo  
 \*Ashcraft, Keith W  
 \*Ashmore, Phillip G  
 Athanasuleas, Constantine L  
 \*Attai, Lari A  
 \*Attar, Safuh  
 \*Austen, W Gerald  
 Austin, Erle H, III

### B

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Bacha, Emile A  
 Bachet, Jean E  
 Baciewicz, Frank A  
 Backer, Carl L  
 Bailey, Leonard L  
 Bains, Manjit S  
 \*Baird, Ronald J  
 \*Baker, Lenox D  
 \*Baker, R Robinson  
 Baldwin, John C  
 Banbury, Michael K  
 Bando, Ko  
 \*Barker, Walter L  
 \*Barner, Hendrick B  
 \*Barnhorst, Donald A  
 \*Barsamian, Ernest M  
 \*Bartlett, Robert H  
 \*Barwinsky, Jaroslaw  
 Battafarano, Richard J  
 \*Baudet, Eugene M  
 \*Baue, Arthur E

\*Senior Member

Baumgartner, William A  
 Bavaria, Joseph E  
 \*Behrendt, Douglas M  
 \*Bello, Alexis G  
 \*Bender, Harvey W, Jr  
 \*Benfield, John R  
 \*Berg, Ralph, Jr  
 \*Berger, Robert L  
 \*Bergmann, Martin  
 \*Berkoff, Herbert A  
 \*Bernatz, Philip E  
 \*Bernhard, William F  
 \*Berry, B Eugene  
 Beyersdorf, Friedhelm  
 \*Bharadwaj, Baikunth  
 \*Bhayana, Joginder N  
 Bilfinger, Thomas V  
 \*Bircks, Wolfgang H  
 \*Black, Harrison  
 Blackstone, Eugene H  
 \*Blake, Hu AI  
 Blakeman, Bradford P  
 \*Blalock, John B  
 Blanche, Carlos  
 \*Blondeau, Philip  
 \*Bloodwell, Robert D  
 \*Blundell, Peter E  
 \*Bockeria, Leo A  
 Bolling, Steven F  
 Bolman, R Morton  
 Bolton, JW Randolph  
 \*Bonchek, Lawrence I  
 Borger, Michael A  
 Borkon, A Michael  
 Bortolotti, Uberto  
 \*Bosher, Lewis H, Jr  
 \*Bougas, James A  
 Bove, Edward L  
 \*Bowles, L Thompson  
 \*Bowman, Frederick, Jr  
 \*Boyd, Arthur D

\*Boyd, Thomas F  
 \*Bradham, R Randolph  
 Bradley, Scott M  
 \*Braille, Domingo M  
 \*Brambridge, Mark V  
 \*Brandt, Berkeley, III  
 \*Bredenberg, Carl E  
 \*Bregman, David  
 Breyer, Robert H  
 \*Bricker, Donald L  
 Bridges, Charles R  
 Brock, Malcolm V  
 \*Brodman, Richard F  
 \*Brott, Walter H  
 Brown, James M  
 Brown, John W  
 \*Bruecke, Peter E  
 Brunelli, Alessandro  
 Brutel De La Riviere, Aart  
 \*Bryant, Lester R  
 \*Buckberg, Gerald D  
 Bueno, Raphael  
 Bull, David A  
 Burdon, Thomas A  
 \*Burke, John F  
 Burkhart, Harold M  
 Burton, Nelson A  
 \*Butchart, Eric G  
 \*Buxton, Brian F  
 Byrne, John G

### C

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\*Cabrol, Christian EA  
 Calafiore, Antonio M  
 Caldarone, Christopher A  
 Calhoon, John H  
 \*Callard, George M  
 Cameron, Duke E  
 \*Camishion, Rudolph C  
 Campbell, Charles D





\*Campbell, Daniel C, Jr  
Campbell, David B  
Campbell, David N, Jr  
\*Campbell, Gilbert S  
Canver, Charles C  
Cardarelli, Marcelo G  
\*Carey, Joseph S  
Carrel, Thierry-Pierre, Jr  
Carrier, Michel  
Casselman, Filip P  
Cassivi, Stephen D  
Casson, Alan G  
\*Castaneda, Aldo R  
\*Center, Sol  
Cerfolio, Robert J  
Chachques, Juan C  
\*Champsaur, Gerard L  
Chang, Andrew C  
Chang, Byung-Chul  
Chapelier, Alain R  
\*Chartrand, Claude CC  
Chauvaud, Sylvain M  
\*Chaux, Aurelio  
Chen, Edward P  
Chen, Frederick Y  
Chen, Jonathan M  
Cherian, K Mammen  
\*Ching, Nathaniel P  
Chitwood, W Randolph  
\*Chiu, Chu-Jeng (Ray)  
\*Cho, Bum-Koo  
\*Chopra, Paramjeet S  
Christakis, George T  
Christie, Neil, Jr  
Cicek, Sertac, III  
\*Cimochowski, George E  
\*Clark, Richard E  
\*Clarke, David R  
Cleveland, Joseph C  
Cobanoglu, Adnan  
Cochran, Richard P  
  
\*Senior Member

\*Codd, John E  
Cohen, David J  
Cohen, Gordon A, Jr  
Cohen, Robbin G  
\*Cohn, Lawrence H  
Cohn, William E  
Coles, John G  
Colson, Yolonda L  
Comas, Juan V  
\*Conklin, Edward F  
\*Conlan, A Alan  
\*Connolly, John E  
\*Connors, John P  
\*Conrad, Peter W  
Conte, John V  
Conti, Vincent R  
\*Cook, William A  
\*Cooley, Denton A  
\*Cooper, Joel D  
Copeland, Jack G, Jr  
\*Cornell, William P  
Corno, Antonio F  
Coselli, Joseph S  
\*Cosgrove, Delos M  
\*Cossette, Robert  
\*Cotrufo, Maurizio  
Couper, Gregory S  
\*Couraud, Louis  
Cox, James L, Jr  
\*Craver, Joseph M  
\*Craver, William L  
Crawford, Fred A  
\*Crosby, Ivan K  
Culliford, Alfred T  
\*Cunningham, Joseph N  
\*Curtis, Jack J

## D

Da Silva, Jose Pedro  
Daebritz, Sabine H

Daenen, Willem J  
\*Daggett, Willard M  
\*Daicoff, George  
\*Dalton, Martin L, Jr  
\*Daly, Benedict DT  
Daly, Richard C  
Damiano, Ralph J  
D'Amico, Thomas A  
\*Dammann, John F  
\*Daniel, Thomas M  
\*Danielson, Gordon K  
Dark, John H  
Darling, Gail E  
\*Dart, Charles H, Jr  
Dartevelle, Philippe G, Jr  
Date, Hiroshi  
David, Tirone E  
\*Davila, Julio C  
Davis, J Terrance  
Davis, Robert D  
De Leyn, Paul  
De Paulis, Ruggero  
De Perrot, Marc  
\*Deac, Radu C  
DeAnda, Abe  
Dearani, Joseph A  
DeCamp, Malcolm M  
\*DeCamp, Paul T  
DeCampli, William M  
Deeb, G Michael  
del Nido, Pedro J, Jr  
DeLaria, Giacomo A  
\*DeLeon, Serafin Y  
Delius, Ralph E  
\*DelRossi, Anthony J  
Dembitsky, Walter P  
DeMeester, Steven R  
\*DeMeester, Tom R  
Demmy, Todd L  
\*Demos, Nicholas J  
\*DeMuth, William E, Jr

# 91ST ANNUAL MEETING MAY 7-11, 2011 | PHILADELPHIA, PA

DeRose, Joseph J  
Deschamps, Claude  
\*Desforges, Gerard  
DesLauriers, Jean  
Detterbeck, Frank C  
\*DeWall, Richard A  
\*DeWeese, James A  
Di Donato, Roberto M  
Diehl, James T  
Dietl, Charles A  
DiMaio, J Michael  
Dion, Robert A  
DiSesa, Verdi J  
\*Dobell, Anthony RC  
\*Donahoo, James  
\*Dooley, Byron N  
\*Dor, Vincent  
\*Doty, Donald B  
Dowling, Robert D  
Downey, Robert J  
Dreyfus, Gilles D  
Drinkwater, Davis C  
Duncan, Brian W  
\*Duran, Carlos Gomez  
Duranceau, Andre CH  
Dyke, Cornelius M  
Dzemeshkevich, Sergey L, Jr

## E

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\*Ecker, Roger R  
Edgerton, James R  
\*Edie, Richard N  
\*Edmunds, L Henry, Jr  
Edwards, Fred H  
Egan, Thomas M  
Eghtesady, Pirooz  
\*Eiseman, Ben  
El Khoury, Gebrine  
\*Elbeery, Joseph R  
Elefteriades, John A

\*Elkins, Ronald C  
Elliott, Martin J  
\*Ellis, F Henry, Jr  
\*Ellis, Robert J  
Emery, Robert W  
\*Engelman, Richard M  
Ergin, M Arisan  
\*Espada, J Rafael  
Estrera, Aaron S  
Estrera, Anthony L

## F

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\*Faber, LeRoy Pe  
Faggian, Giuseppe G  
Falk, Volkmar  
Fann, James I  
Favaloro, Roberto R  
Feindel, Christopher M  
Feins, Richard H  
\*Fell, Stanley C

\*Felton, Warren L, II  
\*Feola, Mario  
Ferguson, Mark K  
Ferguson, T Bruce, Jr  
\*Ferguson, Thomas B  
\*Fernandez, Javier  
Fernando, Hiran C  
Ferraris, Victor A  
Ferraro, Pasquale, Jr  
Filsoufi, Farzan  
Finley, Richard J  
Fiore, Andrew C  
\*Fisher, R Darryl  
\*Fishman, Noel H  
\*Fisk, R Leighton  
Flameng, Willem J  
\*Flege, John B, Jr  
\*Fleming, William H  
Flores, Raja M  
Flye, M Wayne

\*Flynn, Pierce J  
\*Fogarty, Thomas J  
\*Foker, John E  
Follette, David M  
\*Fonkalsrud, Eric W  
Fontana, Gregory P  
Forbess, Joseph  
\*Ford, Joseph M  
\*Fosburg, Richard G  
\*Foster, Eric D  
Fraser, Charles D, III  
\*Frater, Robert WM  
\*Frazier, O Howard  
Fremes, Stephen E  
Friedberg, Joseph S  
\*Friedlander, Ralph  
\*Fry, Willard A  
\*Fujimura, Shigefumi  
Fullerton, David A  
Furnary, Anthony P

## G

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\*Gaensler, Edward A  
\*Gago, Otto  
Gaissert, Henning A  
Galloway, Aubrey C  
Gammie, James S  
Gandhi, Sanjiv K  
\*Gannon, Paul G  
\*Garamella, Joseph J  
\*Gardner, Timothy J  
Garrett, H Edward  
\*Garzon, Antonio A  
\*Gay, William A, Jr  
Gaynor, J William  
\*Gazzaniga, Alan B  
\*Gebauer, Paul W  
\*Geha, Alexander S  
\*Gelfand, Elliot T  
\*Gentsch, Thomas O

\*Senior Member





\*Gerard, Franklyn P  
\*Gerbasi, Francis S  
Gerosa, Gino  
\*Gerst, Paul H  
\*Gielchinsky, Isaac  
\*Gilbert, Joseph, Jr  
Gillinov, A Marc  
Girardi, Leonard N  
Gleason, Thomas G  
Glower, Donald D, Jr  
\*Gobbel, Walter G, Jr  
Gold, Jeffrey P  
\*Goldberg, Melvyn  
\*Goldin, Marshall D  
\*Goldman, Bernard S  
Goldman, Scott M, III  
Goldstein, Daniel  
\*Goldstraw, Peter  
\*Gomes, Mario N  
\*Gonzalez, Luis L  
\*Gonzalez-Lavin, Lorenzo  
Gorman, Joseph H  
Gorman, Robert C  
Gott, John P, Jr  
\*Gott, Vincent L  
Graeber, Geoffrey M, Jr  
\*Gray, Laman A, Jr  
\*Green, George E  
\*Greenberg, Jack J  
Greenberg, Roy K  
Greene, Peter S  
\*Greenfield, Lazar J  
Gregoric, Igor D  
\*Griep, Randall B  
Griffith, Bartley P  
Grodzki, Tomasz  
\*Grondin, Claude M  
\*Grondin, Pierre R  
Grossi, Eugene A  
\*Grover, Frederick L

Grunenwald, Dominique H, Jr  
\*Guernsey, James M  
Guerraty, Albert J  
\*Guiraudon, Gerard M  
Gustafson, Robert A  
Guyton, Robert A

## H

Haasler, George B  
\*Hall, David P  
\*Haller, J Alex, Jr  
\*Hallman, Grady L  
\*Hammon, John W, Jr  
\*Hammond, Graeme L  
Handy, John R  
\*Hankins, John R  
Hanley, Frank L  
\*Hanlon, C Rollins  
\*Hardesty, Robert L  
Hargrove, W Clark  
Harjula, Ari LJ  
Harken, Alden H  
Harlan, Bradley J  
Harpole, David H  
Harrison, Lynn H  
\*Harrison, Robert W  
\*Hartz, Renee S  
\*Hasse, Joachim TW  
\*Hatcher, Charles R, Jr

Haverich, Axel  
\*Hawkins, John A  
Hazelrigg, Stephen R  
He, Guo-Wei  
\*Head, Louis R  
\*Heimbecker, Raymond  
Heitmiller, Richard F  
\*Helmworth, James A  
Hendry, Paul J  
\*Henly, Walter S  
\*Herr, Rodney H

Hetzer, Roland  
\*Hewitt, Robert L  
\*Heydorn, William H  
Hicks, George L  
Higgins, Robert SD  
\*Hill, J Donald  
Hill, Ronald C  
Hines, George L  
Hiratzka, Loren F  
\*Hirose, Teruo  
Hirsch, Gregory M  
Hochberg, Mark S  
\*Holder, Thomas M  
\*Holland, Robert H  
Holman, William L  
\*Holmes, E Carmack  
\*Holswade, George R  
\*Hood, R Maurice  
\*Hood, Richard H, Jr  
Hoover, Eddie L  
\*Hopeman, Alan R  
Hopkins, Richard A  
Horvath, Keith A  
Hu, Shengshou  
Huddleston, Charles B  
\*Hudspeth, Allen S  
\*Hughes, Richard K  
\*Humphrey, Edward W  
\*Hutchin, Peter

## I

Iannettoni, Mark D  
Ikonomidis, John S  
Ilbawi, Michel N  
\*Imai, Yasuharu  
\*Isom, O Wayne  
Isomura, Tadashi  
\*Iverson, Leigh I  
Ivey, Tom D  
\*Iwa, Takashi

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### J

Jablons, David M  
 Jacobs, Jeffrey P  
 Jacobs, Marshall L  
 Jagggers, James  
 Jahangiri, Marjan  
 \*Jahnke, Edward J  
 Jaklitsch, Michael T  
 Jakob, Heinz G  
 Jamieson, Stuart W  
 \*Jamieson, WR Eric  
 \*Jansen, Erik WL  
 Jaquiss, Robert D  
 \*Jaretzki, Alfred, III  
 \*Javid, Hushang  
 Jebara, Victor A  
 Jeevanandam, Valluvan  
 Jegaden, Olivier L  
 Jessen, Michael E  
 Johnson, Robert G  
 \*Johnson, W Dudley  
 \*Johnston, J Harvey, Jr  
 Johnston, Michael R  
 Jonas, Richard A  
 Jones, David R  
 \*Jones, James W  
 Jones, Kent W  
 \*Jones, Robert H  
 Joyce, Lyle D  
 \*Jude, James R

### K

\*Kabbani, Sami S  
 \*Kahn, Donald R  
 \*Kaiser, George C  
 \*Kaiser, Gerard A  
 Kaiser, Larry R  
 \*Kakos, Gerard S  
 Kalangos, Afksendiyos

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Kanter, Kirk R  
 Kappetein, A Pieter  
 Karl, Tom R  
 Karwande, Shreekanth V  
 Katz, Nevin M  
 \*Kawashima, Yasunaru  
 \*Kay, Jerome H  
 \*Kaye, Michael P  
 Kazui, Teruhisa  
 Keenan, Robert J  
 Kelly, Rosemary  
 \*Kennedy, John H  
 Keogh, Bruce E  
 \*Keon, Wilbert J  
 Kern, John A  
 Kernstine, Kemp  
 \*Kerth, William J  
 Keshavjee, Shaf  
 \*Keshishian, John M  
 Kesler, Kenneth A  
 Khaghani, Asghar  
 \*Khonsari, Siavosh  
 Khoynezhad, Ali  
 \*Killen, Duncan A  
 \*Kilman, James W  
 Kim, Ki-Bong  
 \*King, Harold  
 \*King, Robert D  
 \*King, Thomas C  
 Kirby, Thomas J  
 Kirklin, James K  
 \*Kirschner, Paul A  
 \*Kirsh, Marvin M  
 Kirshbom, Paul M  
 \*Kiser, Joseph C  
 Kitamura, Soichiro  
 \*Kittle, C Frederick  
 Klepetko, Walter  
 Kobayashi, Junjiro  
 \*Koerfer, Reiner  
 Kohman, Leslie J

\*Kolff, Jacob  
 Komeda, Masashi  
 Kon, Neal D  
 Kopf, Gary S  
 Kormos, Robert L  
 Korst, Robert J  
 Koshal, Arvind  
 \*Koster, J Kenneth, Jr  
 \*Kouchoukos, Nicholas T  
 \*Koyanagi, Hitoshi  
 \*Kraeft, Nelson H  
 Krasna, Mark J  
 Kratz, John M  
 \*Krause, Albert H  
 Kreisel, Daniel  
 Kreutzer, Christian  
 \*Kreutzer, Guillermo O  
 Krieger, Karl H  
 Kron, Irving L  
 \*Kroncke, George M  
 Kurlansky, Paul A  
 Kurosawa, Hiromi  
 Kuzdzal, Jaroslaw  
 Kypson, Alan P

### L

Lacour-Gayet, Francois G  
 Ladowski, Joseph S, Jr  
 Lahey, Stephen J  
 \*Lajos, Thomas Z  
 Laks, Hillel  
 \*Lambert, Cary J  
 Lamberti, John J  
 Landolfo, Kevin P  
 Landreneau, Rodney J  
 \*Landmore, Roderick W  
 Lange, Rudiger S  
 Lansman, Steven L  
 \*Lasley, Charles H  
 Lau, Christine L





Laufer, Guenther  
Lawrie, Gerald M, III  
Lawton, Jennifer S  
Lazar, Harold L  
Leavitt, Bruce J  
\*LeBeck, Martin B  
\*Lee, Arthur B, Jr  
Lee, Chuen-Neng  
\*Lee, Myles E  
Lee, Paul C  
\*Lefemine, Armand A  
Lefrak, Edward A  
Legare, Jean-Francois  
\*Leininger, Bernard J  
LeMaire, Scott A  
Lemmer, John H  
\*Lemole, Gerald M  
\*Lennox, Stuart C  
Leschber, Gunda  
Letsou, George V  
Levett, James M  
\*Levine, Frederick H  
\*Levitsky, Sidney  
\*Levowitz, Bernard S  
\*Lewis, J Eugene, Jr  
\*Li, Wei-i  
Liao, Kenneth K  
Lin, Shu S, Jr  
\*Linberg, Eugene J  
\*Lincoln, Christopher R  
Lindberg, Harald L  
\*Lindsey, Edward S  
Liptay, Michael  
\*Little, Alex G  
\*Litwak, Robert S  
\*Litwin, S Bert  
Liu, Jinfen  
Livi, Ugolino  
LoCicero, Joseph  
Lofland, Gary K  
\*Logan, William D, Jr  
\*Senior Member

Loisance, Daniel  
\*Loop, Floyd D  
\*Love, Jack W  
Love, Robert B  
Lowe, James E  
\*Lui, Alfred HF  
Luketich, James D  
Lupinetti, F Mark  
Lytle, Bruce W

## M

Macchiarini, Paolo  
MacGillivray, Thomas E  
\*MacGregor, David C  
Mack, Michael J  
\*Mackenzie, James W  
\*MacLean, Lloyd D  
\*MacVaugh, Horace  
Maddaus, Michael A  
Madsen, Joren C  
Magee, Mitchell J  
\*Magovern, George J  
\*Mahaffey, Daniel E  
Mahomed, Yousuf  
Mainwaring, Richard D  
\*Malcolm, John A  
Malec, Edward J  
\*Malm, James R  
\*Maloney, James V, Jr  
Mancini, Mary C, Jr  
\*Mandal, Ashis K  
\*Mandelbaum, Isidore  
\*Manhas, Dev R  
Manning, Peter B  
Mannion, John D  
\*Mansfield, Peter B  
\*Mansour, Kamal A  
\*Mark, James BD  
\*Marrin, Charles AS  
Marshall, M Blair

Martinez-Leon, Juan  
Mason, David P  
\*Mason, G Robert  
Massad, Malek G  
Massard, Gilbert  
Mathisen, Douglas J  
\*Matloff, Jack M  
Matsuda, Hikaru, Jr  
\*Mattila, Severi P  
Mattioli, Sandro  
\*Mattox, Kenneth L  
Mavroudis, Constantine  
\*May, Ivan A  
Mayer, John E  
McCarthy, Patrick M  
\*McCord, Colin W  
\*McCormack, Patricia M  
McCurry, Kenneth R  
\*McElvein, Richard B  
\*McEnany, M Terry  
McFadden, P Michael  
McGiffin, David C  
\*McGough, Edwin C  
McGrath, Lynn B  
McGregor, Christopher GA  
McKenna, Robert J  
McKenzie, F Neil  
\*McKeown, John J, Jr  
\*McKneally, Martin F  
\*McLaughlin, Joseph S  
\*McMullan, Martin H  
\*McNamara, J Judson  
\*McPhail, Jasper L  
\*Meckstroth, Charles  
\*Mee, Roger B  
Mehran, Reza J  
\*Meier, Milton A  
Meldrum, Daniel R  
Melfi, Franca MA  
Menasche, Philippe

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Mendeloff, Eric N  
Menicanti, Lorenzo A  
Menkis, Alan H  
Mentzer, Robert M  
Mentzer, Steven J  
\*Meredith, Jesse H  
\*Merendino, K Alvin  
Merrick, Scot H  
Merrill, Walter H  
Mesana, Thierry G  
\*Messmer, Bruno J  
Mestres, Carlos A  
Metras, Dominique R  
Meyer, Dan M  
\*Meyer, John A  
Meyers, Bryan F  
\*Michaelis, Lawrence  
Michler, Robert E  
\*Mickleborough, Lynda L  
\*Midgley, Frank M  
Mihaljevic, Tomislav  
Milano, Carmelo A  
Mill, Michael R  
\*Miller, Arthur C  
Miller, D Craig  
Miller, Daniel L  
\*Miller, Donald W, Jr  
\*Miller, Fletcher A  
\*Miller, George E, Jr  
\*Miller, George E  
\*Miller, Joseph I, Jr  
Milliken, Jeffrey C  
\*Mills, Lawrence J  
\*Mills, Mitchell  
\*Mills, Noel L  
Mills, Stephen A  
Misbach, Gregory A  
Mitchell, John D  
Mitchell, Max B

Mitchell, R Scott  
\*Miyamoto, Alfonso T  
Miyoshi, Shinichiro  
Moazami, Nader  
Moggio, Richard A  
Mohr, Friedrich W  
\*Mohri, Hitoshi  
\*Molina, J Ernesto  
Molins, Laureano  
\*Moncure, Ashby C  
\*Monro, James L  
Montoya, Alvaro  
Moon, Marc R  
\*Moore, Thomas C  
Moore, Darroch, III  
Morales, David L  
\*Moran, John M  
Morell, Victor  
Moreno-Cabral, Ricardo J  
\*Morin, Jean E  
\*Morton, Donald L  
\*Morton, Jeremy R  
Mosca, Ralph S  
Moulton, Anthony L  
Mueller, Michael R  
\*Mulder, David S  
\*Mulder, Donald G  
\*Mullany, Charles J  
\*Mullen, Donald C  
\*Muller, William H, Jr  
Mulligan, Michael S  
Muneretto, Claudio  
\*Murphy, David A  
\*Murray, Gordon F  
Murthy, Sudish C  
\*Murtra, Marcos  
Myerowitz, P David  
Myers, John L  
\*Myers, William O

## N

---

\*Najafi, Hassan  
Naka, Yoshifumi  
Naunheim, Keith S  
Navia, Daniel O  
Navia, Jose L  
\*Neerken, A John  
\*Neirotti, Rodolfo  
\*Nelson, Ronald J  
\*Nelson, Russell M  
Nesbitt, Jonathan C  
Nguyen, Dao M  
Nitta, Takashi  
\*Nolan, Stanton P  
\*Norman, John C  
Northrup, William F  
\*Norwood, William I  
Novick, Richard J  
Nugent, William C

## O

---

\*Oakes, David D  
Obadia, Jean-Francois  
\*Ochsner, John L  
Ogino, Hitoshi  
Ohye, Richard G  
Okada, Morihito  
\*Okies, J Edward  
Okike, Okike N  
Okita, Yutaka  
\*Oldham, H Newland, Jr  
\*Olinger, Gordon N  
\*Oliveira, Sergio A  
\*O'Neill, Martin J, Jr  
Orringer, Mark B  
\*Orszulak, Thomas A  
Otero Coto, Eduardo

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Ott, David A  
Ott, Richard A  
\*Oury, James H  
\*Overstreet, John W  
Oyer, Philip E  
Oz, Mehmet C, III

## P

---

\*Pacifico, Albert D  
\*Padula, Richard T  
Pae, Walter E  
Pagani, Francis D  
\*Pairolero, Peter C  
Palatianos, George M  
\*Pappas, George  
\*Parenzan, Lucio  
Park, Soon J  
\*Parker, Frederick B, Jr  
Parr, Grant VS  
\*Parsonnet, Victor  
Pasque, Michael K  
Pass, Harvey I  
\*Pate, James W  
Patel, Himanshu J  
\*Paton, Bruce C  
Patterson, Alec  
Pearl, Jeffrey M  
\*Pearson, F Griffith  
\*Pecora, David V  
Peeler, Benjamin B  
\*Pelletier, L Conrad  
\*Penido, John RF  
Penkoske, Patricia A  
Pennathur, Arjun  
\*Pennington, D Glenn  
Pennock, John L  
Pepper, John R  
\*Peracchia, Alberto  
Perrault, Louis P

Pettersson, Gosta B  
Pham, Si Mai  
\*Phillips, Steven J  
\*Piehler, Jeffrey M  
\*Pierce, William S  
Pierson, Richard N  
\*Pierucci, Louis, Jr  
\*Pifarre, Roque  
Pigula, Frank A  
\*Piwnica, Armand H  
\*Planche, Claude  
\*Platt, Melvin R  
\*Plume, Stephen K  
\*Pluth, James R  
Pochettino, Alberto  
Pomar, Jose L  
\*Pomerantz, Marvin  
Pompeo, Eugenio  
Poncelet, Alain J  
\*Pontius, Robert G  
\*Poppe, J Karl  
Port, Jeffrey L  
\*Potter, Robert T  
Prager, Richard L  
Pretre, Rene  
\*Puga, Francisco J  
Puskas, John D  
Putnam, Joe B

## Q

---

Quaegebeur, Jan Modest

## R

---

\*Raffensperger, John  
\*Rainer, W Gerald  
Raman, Jaishankar  
\*Rams, James J  
\*Randolph, Judson G  
Rankin, J Scott

Rao, Vivek  
\*Rasmussen, Richard A  
Ratcliffe, Mark B  
Razzouk, Anees J  
\*Read, Raymond C  
Reardon, Michael J  
Rebeyka, Ivan M  
Reddy, V Mohan  
\*Redo, S Frank  
Reed, Carolyn E  
\*Reed, George E  
\*Reed, William A  
Reichenspurner, Hermann  
\*Reis, Robert L  
Reitz, Bruce A  
Rendina, Erino Angelo  
\*Replogle, Robert L  
\*Reul, George J, Jr  
Revuelta, Jose Manuel  
Ricci, Marco  
Rice, David C  
Rice, Thomas W, III  
Rich, Jeffrey B  
Richenbacher, Wayne E  
Ring, W Steves  
\*Rivera, Ramiro  
\*Rivkin, Laurence M  
Robbins, Robert C  
\*Roberts, Arthur J  
Robertson, John M  
\*Robicsek, Francis  
\*Robinson, Lary A  
Rocco, Gaetano  
Rodefeld, Mark D  
\*Roe, Benson B  
\*Roper, Charles L  
Roques, Xavier F  
Rose, Daniel M  
Rose, Eric A  
Rosengard, Bruce R

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Rosengart, Todd K  
\*Rosensweig, Jacob  
Ross, David B  
\*Rossi, Nicholas P  
Roth, Jack A  
Rousou, John A  
Roviaro, Giancarlo  
\*Rubin, Joseph W  
Ruel, Marc  
\*Ruilanchas Sanchez, Juan J  
Rusch, Valerie W

## S

Sabik, Joseph F  
\*Sade, Robert M  
Safi, Hazim J  
Salerno, Tomas A  
\*Salomon, Neal W  
SampathKumar, A  
Samuels, Louis E  
Sanchez, Juan A  
\*Sanders, John H, Jr  
\*Sanderson, Richard G  
Sano, Shunji  
Sarris, George E  
\*Sasser, William F  
\*Sauvage, Lester R  
\*Sawyer, Philip N  
\*Sawyers, John L  
Schafers, Hans-Joachim  
Schaff, Hartzell V  
Schlichter, Andres J  
Schmid, Ralph A  
Schmoker, Joseph D  
Scholz, Peter M  
Schrump, David S  
Schueler, Stephan W  
\*Schuster, Samuel R  
\*Schwartz, Seymour I  
\*Scott, Henry E  
  
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\*Scott, Meredith L  
Scott, Walter J  
\*Scully, Hugh E  
\*Sebening, Fritz  
\*Selle, Jay G  
\*Sellers, Robert D  
Sellke, Frank W  
Selzman, Craig H  
Sergeant, Paul T  
Serraf, Alain  
Sethi, Gulshan K  
Shah, Ashish S  
Shahian, David M  
Shapira, Oz M  
Shemin, Richard J  
Shennib, Hani  
\*Shields, Thomas W  
Shimpo, Hideto  
Shinoka, Toshiharu  
\*Shochat, Stephen J  
Shrager, Joseph B  
Shum-Tim, Dominique  
Shumway, Sara J  
\*Siderys, Harry  
Sievers, Hans-Henric  
\*Siewers, Ralph D  
\*Silver, Arthur W  
\*Silver, Donald  
Silverman, Norman A  
\*Simmons, Earl M  
\*Simmons, Robert L  
Singh, Arun K  
\*Sink, James D  
\*Sintek, Colleen F  
Slaughter, Mark  
\*Sloan, Herbert E  
Smedira, Nicholas G  
\*Smeloff, Edward A  
Smith, Craig R  
Smith, J Michael  
Smith, Peter K

Smythe, William R  
Snow, Norman J  
Sonett, Joshua R  
Song, Howard K  
\*Soroff, Harry S  
\*Spear, Harold C  
Speir, Alan M  
\*Spencer, Frank C  
Spielvogel, David  
Spinale, Francis G  
\*Spotnitz, Henry M  
Spotnitz, William D  
Spray, Thomas L  
\*Stanford, William  
\*Starek, Peter J  
Starnes, Vaughn A  
\*Starr, Albert  
\*State, David  
\*Steichen, Felicien M  
Stellin, Giovanni  
\*Stenstrom, John D  
\*Stephenson, Larry W  
\*Stern, Harold  
\*Sterns, Laurence P  
Stewart, Allan S  
\*Stewart, Scott  
\*Stiles, Quentin R  
\*Stoney, William S  
\*Stranahan, Allan  
\*Strevey, Tracy E, Jr  
\*Subramanian, S  
\*Subramanian, Valavanur A  
Sugarbaker, David J  
Sullivan, Henry J  
Suma, Hisayoshi  
Sun, Benjamin  
Sundaresan, R Sudhir  
Sundt, Thoralf M  
\*Sutherland, R Duncan  
Svensson, Lars G  
Swain, Julie A





\*Swan, Kenneth G  
Swanson, Scott J  
\*Swenson, Orvar  
Swisher, Stephen G  
\*Symbas, Panagiotis

## T

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Tabayashi, Koichi  
\*Taber, Rodman E  
Taggart, David P  
Takamoto, Shinichi  
\*Takaro, Timothy  
\*Tarnay, Thomas J  
\*Tatooles, Constantine J  
Tatoulis, James  
Tchervenkov, Christo I  
\*Tector, Alfred J  
\*Thal, Alan P  
\*Thevenet, Andre A  
Thistlethwaite, Patricia A  
\*Thomas, Arthur N  
\*Thomas, Clarence S, Jr  
\*Thomas, George I  
Thomas, Pascal A  
\*Thomas, Paul A, Jr  
\*Thomson, Norman B, Jr  
Thourani, Vinod H, III  
\*Thurer, Richard J  
\*Thurer, Robert L  
\*Tice, David A  
\*Timmis, Hilary H  
\*Todd, Edward P  
Todd, Thomas RJ  
\*Tomatis, Luis A  
Torchiana, David F  
Toyoda, Yoshiya  
Trachiotis, Gregory D, Jr  
Trastek, Victor F  
\*Treasure, Robert L  
Trento, Alfredo

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Tribble, Curtis G  
\*Tricerri, Fernando E  
\*Trimble, Alan S  
\*Trummer, Max J  
\*Trusler, George A  
Tsang, Victor T  
\*Turley, Kevin  
\*Turney, Stephen Z  
Turrentine, Mark W  
Tweddell, James S  
\*Tyers, G Frank O  
\*Tyson, Kenneth RT

## U

---

Ueda, Yuichi  
\*Ulyot, Daniel J  
Unger, Felix H  
Ungerleider, Ross M  
Unruh, Helmut W  
\*Urschel, Harold C, Jr  
Urschel, John D, Jr

## V

---

Van Arsdell, Glen  
\*Van De Water, Joseph M  
\*Van Heeckeren, Daniel W  
Van Raemdonck, Dirk EM  
Van Schil, Paul E  
Van Trigt, Peter, III  
\*Van Way, Charles W, III  
\*Vander Salm, Thomas J  
\*Vanecko, Robert M  
Vanermen, Hugo KI  
Vaporciyan, Ara A  
Varela, Gonzalo  
Vassiliades, Thomas A  
\*Vaughn, Cecil C  
Vega, J David  
\*Veith, Frank J  
Venuta, Federico

Verrier, Edward D, Jr  
Vinten-Johansen, Jakob  
Vlahakes, Gus J  
vonSegesser, Ludwig K  
Vouhe, Pascal R  
Vricella, Luca A

## W

---

Wada, Hiromi  
Waddell, Thomas K  
Wain, John C  
\*Wakabayashi, Akio  
\*Waldhausen, John A  
Walker, William E  
\*Walkup, Harry E  
\*Wallace, Robert B  
\*Walls, Joseph T  
\*Wallsh, Eugene  
Wallwork, John  
Walsh, Garrett L  
Walters, Henry L  
Walther, Thomas  
Wan, Song  
Ward, Herbert B  
\*Wareham, Ellsworth E  
Warner, Kenneth G  
Warren, William H  
Waters, Paul F  
Watkins, Levi  
Watson, Donald C  
\*Webb, Watts R  
\*Wechsler, Andrew S  
Weder, Walter  
Wei, Jeng  
Weigel, Tracey L  
Weiman, Darryl S  
\*Weinberg, Milton, Jr  
\*Weintraub, Ronald M  
\*Wellons, Harry A, Jr  
Wells, Francis C

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Wells, Winfield J  
Wernly, Jorge A  
Westaby, Stephen  
\*Wheat, Myron W, Jr  
\*Wheatley, David J  
Whitman, Glenn JR  
Whyte, Richard I  
\*Wichern, Walter, Jr  
\*Wilkins, Earle W  
Williams, Mathew R  
\*Williams, Thomas E, Jr  
\*Williams, William G  
Williams, Willis H  
\*Wilson, James Miller  
\*Wilson, Robert F  
\*Wisoff, George  
Wolf, Randall K  
\*Wolfe, Walter G  
\*Wolff, William I

\*Wolner, Ernst  
Woo, Y Joseph  
Wood, Douglas E  
Wright, Cameron D  
\*Wright, Creighton B  
Wu, Qingyu  
\*Wukasch, Don C

**Y**

---

Yagihara, Toshikatsu  
Yang, Stephen C  
Yasufuku, Kazuhiro  
\*Yasui, Hisataka  
Yau, Terrence M  
Yee, Edward S  
\*Yeh, Thomas J  
Yim, Anthony P  
Young, J Nilas

\*Young, William P  
Yozu, Ryohei  
Yuh, David D

**Z**

---

\*Zajtchuk, Rostik  
\*Zaroff, Lawrence I  
\*Zeff, Robert H  
Zehr, Kenton J  
Zembala, Marian  
Zenati, Marco A  
Zielinski, Marcin  
\*Zuhdi, M Nazih  
\*Zumbro, G Lionel, Jr  
Zwischenberger, Joseph B

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## 2010–2011 GEOGRAPHICAL ROSTER

*(Current as of April, 2011)*

### NORTH AMERICA

#### UNITED STATES

##### ALABAMA

---

###### Birmingham

Athanasuleas, Constantine L  
Cerfolio, Robert J  
Holman, William L  
Kahn, Donald R  
Kirklin, James K  
McGiffin, David C

###### Indian Springs

Pacifico, Albert D

###### Mobile

LoCicero, Joseph, III

###### Montgomery

Simmons, Earl M

##### ALASKA

---

###### Anchorage

Misbach, Gregory A

##### ARIZONA

---

###### Carefree

Michaelis, Lawrence

###### Chandler

Shennib, Hani

###### Phoenix

Arabia, Francisco A  
Pearl, Jeffrey M  
Vaughn, Cecil C

###### Scottsdale

Fisk, R Leighton  
Mullany, Charles J  
Pluth, James R  
Shields, Thomas W  
Trastek, Victor F

###### Tempe

Cornell, William P

###### Tucson

Little, Alex G  
Sanderson, Richard G  
Sethi, Gulshan K

##### ARKANSAS

---

###### Little Rock

Campbell, Gilbert S  
Read, Raymond C

##### CALIFORNIA

---

###### Alameda

Ecker, Roger R

###### Bonita

Gonzalez-Lavin, Lorenzo

###### Capistrano Beach

Flynn, Pierce J

###### Carmel

Iverson, Leigh I

###### Coronado

Silver, Arthur W

###### El Macero

Andrews, Neil C

**Fresno**

Bolton, JW Randolph

**Hillsborough**

Thomas, Arthur N

Ulyot, Daniel J

**Huntington Beach**

Blanche, Carlos

**Irvine**

Kirsh, Marvin M

**La Canada**

Penido, John RF

**La Jolla**

Hutchin, Peter

Swain, Julie A

West, John B

**Lakeside**

Aaron, Benjamin L

**Loma Linda**

Bailey, Leonard L

Razzouk, Anees J

Wareham, Ellsworth E

**Los Angeles**

Allen, Bradley S

Ardehali, Abbas

Benfield, John R

Buckberg, Gerald D

Cohen, Robbin G

DeMeester, Steven R

DeMeester, Tom R

Fontana, Gregory P

Holmes, E Carmack

Kay, Jerome H

Khoynezhad, Ali

Laks, Hillel

Lee, Myles E

Maloney, James V, Jr

Matloff, Jack M

McFadden, P Michael

McKenna, Robert J, Jr

Shemin, Richard J

Starnes, Vaughn A

Trento, Alfredo

Wells, Winfield J

**Martinez**

Guernsey, James M

**Montebello**

Lui, Alfred HF

**Murrieta**

Wakabayashi, Akio

**Oakland**

Harken, Alden H

**Orange**

Connolly, John E

Milliken, Jeffrey C

Ott, Richard A

**Pacific Palisades**

Mulder, Donald G

**Palm Desert**

Fosburg, Richard G

**Palo Alto**

Champsaur, Gerard L

**Palos Verdes Estates**

Stiles, Quentin R

**Pebble Beach**

Miller, George E, Jr

**Portola Valley**

Fogarty, Thomas J

**Rancho Palos Verdes**

Mandal, Ashis K

**Rancho Santa Fe**

DeLaria, Giacomo A

Geha, Alexander S

**Sacramento**

Berkoff, Herbert A

Follette, David M

Harlan, Bradley J

Young, J Nilas

**San Diego**

Copeland, Jack G

Dembitsky, Walter P

Jamieson, Stuart W

Lamberti, John J

Miller, Fletcher A

Moreno-Cabral, Ricardo J

Thistlethwaite, Patricia A

Trummer, Max J

**San Francisco**

Ellis, Robert J

Hill, J Donald

Jablons, David M

Merrick, Scot H

Ratcliffe, Mark B

Yee, Edward S

**San Jose**

Oakes, David D

**San Rafael**

Roe, Benson B

**Santa Ana**

Gazzaniga, Alan B





**Santa Barbara**

Jahnke, Edward J  
Love, Jack W

**Santa Cruz**

Fishman, Noel H

**Santa Monica**

Fonkalsrud, Eric W  
Morton, Donald L  
Robertson, John M

**Sausalito**

Zaroff, Lawrence I

**Stanford**

Mainwaring, Richard D  
Burdon, Thomas A  
Fann, James I  
Hanley, Frank L  
Mark, James BD  
Miller, D Craig  
Mitchell, R Scott  
Oyer, Philip E  
Reddy, V Mohan  
Reitz, Bruce A  
Robbins, Robert C  
Shrager, Joseph B  
Whyte, Richard I

**Tiburon**

Heydorn, William H

**Torrance**

Carey, Joseph S  
Moore, Thomas C  
State, David

**Valencia**

Kernstine, Kemp

**Ventura**

Brandt, Berkeley, III  
Dart, Charles H, Jr

**Walnut Creek**

May, Ivan A

**COLORADO**

---

**Aurora**

Campbell, David N  
Clarke, David R  
Cleveland, Joseph C, Jr  
Fullerton, David A  
Grover, Frederick L  
Jaggers, James  
Mitchell, John D  
Mitchell, Max B  
Pomerantz, Marvin

**Denver**

Eiseman, Ben  
Paton, Bruce C  
Rainer, W Gerald

**Greenwood Village**

Pappas, George

**Parker**

Olinger, Gordon N

**Snowmass Village**

McEnany, M Terry  
Mills, Lawrence J

**Steamboat Springs**

Greenberg, Jack J

**CONNECTICUT**

---

**Bridgeport**

Rose, Daniel M

**Essex**

Jaretzki, Alfred, III

**Greenwich**

Waters, Paul F

**Hamden**

Baue, Arthur E

**New Haven**

Detterbeck, Frank C  
Elefteriades, John A  
Kopf, Gary S  
Shinoka, Toshiharu

**North Haven**

Hammond, Graeme L

**Old Greenwich**

Brodman, Richard F

**Waterbury**

Sanchez, Juan A

**Woodbridge**

Stern, Harold

**DELAWARE**

---

**Dover**

Mannion, John D

**Greenville**

Norwood, William I

**Newark**

Banbury, Michael K  
Gardner, Timothy J

## DISTRICT OF COLUMBIA

---

### Washington

Jonas, Richard A  
Katz, Nevin M  
Keshishian, John M  
Marshall, M Blair  
Simmons, Robert L

Reis, Robert L  
Ricci, Marco  
Salerno, Tomas A  
Subramanian, S  
Thurer, Richard J

### Naples

Gonzalez, Luis L  
Linberg, Eugene J  
MacGregor, David C

## FLORIDA

---

### Atlantic Beach

Stranahan, Allan

### Aventura

Bregman, David

### Bal Harbour

Grondin, Pierre R

### Belleair

Lasley, Charles H

### Boca Raton

Kiser, Joseph C  
Litwin, S Bert

### Coconut Grove

Center, Sol

### Delray Beach

Rosensweig, Jacob

### Fernandina Beach

Malm, James R

### Gainesville

Alexander, James A  
Wheat, Myron W, Jr

### Jacksonville

Edwards, Fred H  
Koster, J Kenneth, Jr  
Landolfo, Kevin P

### Jupiter

Gerbasi, Francis S

### Longboat Key

Lajos, Thomas Z

### Miami Beach

Spear, Harold C

### Miami

Harrison, Lynn H, Jr  
Jude, James R  
Kaiser, Gerard A  
Kurlansky, Paul A  
Nguyen, Dao M  
Pham, Si Mai

### Ocala

Chaux, Aurelio

### Orlando

Accola, Kevin D  
DeCampi, William M

### Palm City

Timmis, Hilary H

### Ponte Vedra Beach

Barnhorst, Donald A  
Gilbert, Joseph, Jr

### Saint Petersburg

Daicoff, George  
Jacobs, Jeffrey P

### Sanibel

Raffensperger, John

### Tallahassee

Kraeft, Nelson H  
Lambert, Cary J

### Tamarac

Friedlander, Ralph

### Tampa

Angell, William W  
Robinson, Lary A

## GEORGIA

---

### Atlanta

Chen, Edward P  
Craver, Joseph M  
Gott, John P  
Guyton, Robert A  
Hatcher, Charles R, Jr  
Kanter, Kirk R  
Kirshbom, Paul M  
Lee, Arthur B, Jr  
Mansour, Kamal A  
Miller, Daniel L  
Miller, Joseph I, Jr  
Puskas, John D  
Symbas, Panagiotis  
Thourani, Vinod H



Vega, J David  
Vinten-Johansen, Jakob  
Williams, Willis H

**Chickamauga**

Hall, David P

**Dunwoody**

Rivkin, Laurence M

**Evans**

Zumbro, G Lionel, Jr

**Kennesaw**

Northrup, William F, III

**Macon**

Dalton, Martin L, Jr  
Van De Water, Joseph M

**Savannah**

Yeh, Thomas J

**HAWAII**

---

**Honolulu**

Ching, Nathaniel P  
Gebauer, Paul W  
McNamara, J Judson

**Kailua**

Young, William P

**Kihei**

Smeloff, Edward A

**Wailuku**

Cochran, Richard P

**IDAHO**

---

**Boise**

Herr, Rodney H

**ILLINOIS**

---

**Burr Ridge**

Blakeman, Bradford P

**Chicago**

Akhter, Shahab  
Amato, Joseph J  
Backer, Carl L  
Barker, Walter L  
Breyer, Robert H  
Campbell, Charles D  
DeCamp, Malcolm M  
Faber, LeRoy Pe

Ferguson, Mark K  
Goldin, Marshall D  
Hanlon, C Rollins  
Jeevanandam, Valluvan  
Kittle, C Frederick  
Liptay, Michael  
Massad, Malek G  
McCarthy, Patrick M  
Najafi, Hassan  
Raman, Jaishankar  
Replogle, Robert L  
Snow, Norman J  
Tatooles, Constantine J  
Vanecko, Robert M  
Warren, William H  
Zajtchuk, Rostik  
Elk Grove Village  
Sullivan, Henry J

**Evanston**

Head, Louis R

**Glenview**

Montoya, Alvaro

**Lake Forest**

Weinberg, Milton, Jr

**Maywood**

Love, Robert B  
Pifarre, Roque

**Oak Lawn**

Ilbawi, Michel N

**Oak Park**

Hartz, Renee S

**River Forest**

Mason, G Robert

**Springfield**

Hazelrigg, Stephen R

**Western Springs**

Thomas, Paul A, Jr

**Willowbrook**

Leininger, Bernard J

**Winnetka**

Fry, Willard A

**INDIANA**

---

**Fort Wayne**

Ladowski, Joseph S

**Indianapolis**

Brown, John W  
Kesler, Kenneth A  
King, Harold

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King, Robert D  
Mahomed, Yousuf  
Mandelbaum, Isidore  
Meldrum, Daniel R  
Rodefeld, Mark D  
Siderys, Harry  
Turrentine, Mark W

**Valparaiso**

O'Neill, Martin J, Jr

**IOWA**

---

**Cedar Rapids**

Levett, James M

**Council Bluffs**

Sellers, Robert D

**Des Moines**

Zeff, Robert H

**Iowa City**

Behrendt, Douglas M  
Iannettoni, Mark D  
Richenbacher, Wayne E  
Rossi, Nicholas P  
Stanford, William

**Urbandale**

Phillips, Steven J

**KANSAS**

---

**Kansas City**

Reed, William A

**Mission Hills**

Ashcraft, Keith W

**Overland Park**

Killen, Duncan A

**Prairie Village**

Holder, Thomas M  
Piehler, Jeffrey M

**Shawnee Mission**

Padula, Richard T

**KENTUCKY**

---

**LaGrange**

Cox, James L

**Lexington**

Ferraris, Victor A  
Todd, Edward P  
Zwischenberger, Joseph B

**Louisville**

Austin, Erle H, III  
Dowling, Robert D  
Gray, Laman A, Jr  
Mahaffey, Daniel E  
Slaughter, Mark

**LOUISIANA**

---

**Alexandria**

Webb, Watts R

**Baton Rouge**

Berry, B Eugene

**Nathitoches**

Bloodwell, Robert D

**New Orleans**

Blalock, John B  
DeCamp, Paul T  
DeLeon, Serafin Y  
Hewitt, Robert L  
Lindsey, Edward S  
Ochsner, John L

**Shreveport**

Mancini, Mary C

**MAINE**

---

**Cape Elizabeth**

Bredenberg, Carl E

**Portland**

Morton, Jeremy R

**Rome**

Tarnay, Thomas J

**Sedgwick**

Siewers, Ralph D

**MARYLAND**

---

**Baltimore**

Attar, Safuh  
Baker, R Robinson  
Battafarano, Richard J  
Baumgartner, William A  
Brock, Malcolm V  
Brown, James M  
Cameron, Duke E  
Cardarelli, Marcelo G  
Conte, John V  
Gammie, James S  
Greene, Peter S





Griffith, Bartley P  
Haller, J Alex, Jr  
McLaughlin, Joseph S  
Pierson, Richard N, III  
Shah, Ashish S  
Vricella, Luca A  
Watkins, Levi, Jr  
Yang, Stephen C  
Yuh, David D

**Bethesda**

Horvath, Keith A  
Schrumpp, David S

**Glen Arm**

Turney, Stephen Z

**Lutherville Timonium**

Hankins, John R

**Lutherville**

Salomon, Neal W

**Reisterstown**

Heitmiller, Richard F

**Towson**

Krasna, Mark J

**Worton**

Walkup, Harry E

**MASSACHUSETTS**

---

**Amherst**

Levine, Frederick H

**Beverly**

Maloney, William T

**Boston**

Agnihotri, Arvind K  
Akins, Cary W  
Allan, James S  
Aranki, Sary F  
Austen, W Gerald  
Bolman, R Morton, III  
Bueno, Raphael  
Burke, John F  
Chen, Frederick Y  
Cohn, Lawrence H  
Colson, Yolonda L  
Couper, Gregory S  
Daggett, Willard M  
Daly, Benedict DT  
del Nido, Pedro J  
Ellis, F Henry, Jr  
Fernando, Hiran C  
Gaissert, Henning A  
Jaklitsch, Michael T  
Lazar, Harold L

Levitsky, Sidney  
MacGillivray, Thomas E  
Madsen, Joren C  
Mathisen, Douglas J  
Mayer, John E  
Mentzer, Steven J  
Pigula, Frank A  
Rosengard, Bruce R  
Sugarbaker, David J  
Sundt, Thoralf M  
Swanson, Scott J  
Thurer, Robert L  
Torchiana, David F  
Urschel, John D  
Vlahakes, Gus J  
Wain, John C, Jr  
Warner, Kenneth G  
Wright, Cameron D  
Zenati, Marco A

**Brookline**

Berger, Robert L  
Neirotti, Rodolfo

**Cambridge**

Malcolm, John A  
Weintraub, Ronald M

**Centerville**

Lefemine, Armand A

**Chestnut Hill**

Bougas, James A

**Concord**

Norman, John C

**Falmouth**

McElvein, Richard B

**Framingham**

Bernhard, William F

**Melrose**

Desforges, Gerard

**North Andover**

Cook, William A

**Plymouth**

Moran, John M

**Salem**

Vander Salm, Thomas J

**Springfield**

Engelman, Richard M  
Rousou, John A

**Sudbury**

Shahian, David M

**Wayland**

Moncure, Ashby C

**West Hampton**

Wukasch, Don C

**West Roxbury**

Barsamian, Ernest M

**Westborough**

Schuster, Samuel R

**Westwood**

Black, Harrison

**Williamstown**

Wilkins, Earle W

**Worcester**

Conlan, A Alan  
Graeber, Geoffrey M  
Okike, Okike N

**MICHIGAN**

---

**Ann Arbor**

Bartlett, Robert H  
Bolling, Steven F  
Bove, Edward L  
Chang, Andrew C  
Deeb, G Michael  
Gago, Otto  
Greenfield, Lazar J  
Neerken, A John  
Ohye, Richard G  
Orringer, Mark B  
Pagani, Francis D  
Patel, Himanshu J  
Prager, Richard L  
Sloan, Herbert E

**Detroit**

Arbulu, Agustin  
Baciewicz, Frank A, Jr  
Delius, Ralph E  
Mentzer, Robert M, Jr  
Stephenson, Larry W  
Walters, Henry L, III  
Wilson, Robert F

**Grand Rapids**

Harrison, Robert W  
Khaghani, Asghar  
Rasmussen, Richard A  
Taber, Rodman E  
Tomatis, Luis A

**Grasse Pointe Farms**

Javid, Hushang

**Grosse Point**

Silverman, Norman A

**West Bloomfield**

Arciniegas, Eduardo

**MINNESOTA**

---

**Coon Rapids**

Joyce, Lyle D

**Hopkins**

Garamella, Joseph J

**Minneapolis**

Foker, John E  
Gannon, Paul G  
Hopeman, Alan R  
Kelly, Rosemary  
Liao, Kenneth K  
Maddaus, Michael A  
Moazami, Nader  
Shumway, Sara J  
Sun, Benjamin  
Ward, Herbert B

**Mounds View**

Vassiliades, Thomas A, Jr

**New Brighton**

Molina, J Ernesto

**Rochester**

Allen, Mark S  
Bernatz, Philip E  
Burkhart, Harold M  
Cassivi, Stephen D  
Daly, Richard C  
Danielson, Gordon K  
Dearani, Joseph A  
Deschamps, Claude  
Orszulak, Thomas A  
Pairolero, Peter C  
Park, Soon J  
Puga, Francisco J  
Schaff, Hartzell V

**Saint Paul**

Emery, Robert W

**Stillwater**

Kaye, Michael P

**MISSISSIPPI**

---

**Carriere**

Mills, Noel L

**Carthage**

Logan, William D, Jr

**Clinton**

McPhail, Jasper L

**Jackson**

Aru, Giorgio M





Johnston, J Harvey, Jr  
McMullan, Martin H  
Merrill, Walter H  
Tribble, Curtis G

## MISSOURI

---

### Columbia

Curtis, Jack J  
Silver, Donald  
Walls, Joseph T

### Frontenac

Strevey, Tracy E, Jr

### Glendale

Codd, John E

### Kansas City

Allen, Keith B  
Borkon, A Michael  
Hopkins, Richard A  
Lofland, Gary K  
Van Way, Charles W, III

### St. Louis

Barner, Hendrick B  
Bergmann, Martin  
Connors, John P  
Damiano, Ralph J, Jr  
Ferguson, Thomas B  
Fiore, Andrew C  
Flye, M Wayne  
Gay, William A, Jr  
Huddleston, Charles B  
Johnson, Robert G  
Kouchoukos, Nicholas T  
Kreisel, Daniel  
Lawton, Jennifer S  
Lewis, J Eugene, Jr  
Meyers, Bryan F  
Moon, Marc R  
Naunheim, Keith S  
Pasque, Michael K  
Patterson, Alec  
Penkoske, Patricia A  
Roper, Charles L  
Sasser, William F

### Webster Groves

Kaiser, George C

## MONTANA

---

### Columbia Falls

Myerowitz, P David

### Missoula

Duran, Carlos Gomez

## NEBRASKA

---

### Bennington

Fleming, William H

## NEVADA

---

### Zephyr Cove

Kerth, William J

## NEW HAMPSHIRE

---

### Hanover

Plume, Stephen K

### Lebanon

Nugent, William C

### Lyme

Sanders, John H, Jr

### Stratham

Gaensler, Edward A

## NEW JERSEY

---

### Alpine

Holswade, George R

### Belleville

Gerard, Franklyn P

### Browns Mills

McGrath, Lynn B

### Camden

Camishion, Rudolph C

### Englewood

Ergin, M Arisan

### Fort Lee

Conklin, Edward F

### Jersey City

Demos, Nicholas J

### Moorestown

DelRossi, Anthony J  
Fernandez, Javier

### Morristown

Parr, Grant VS

### Neptune

Roberts, Arthur J

**New Brunswick**

Mackenzie, James W  
Scholz, Peter M

**Newark**

Donahoo, James  
Parsonnet, Victor

**Paramus**

Korst, Robert J

**Pittstown**

Garzon, Antonio A

**Pompton Plains**

Adler, Richard H

**South Orange**

Gielchinsky, Isaac  
Swan, Kenneth G

**Tenafly**

Gerst, Paul H  
Wallsh, Eugene

**NEW MEXICO**

---

**Albuquerque**

Dietl, Charles A  
Wernly, Jorge A

**Alto**

Sutherland, R Duncan

**Buena Vista**

Thal, Alan P

**Santa Fe**

Davila, Julio C

**NEW YORK**

---

**Albany**

Moores, Darroch

**Bronx**

Attai, Lari A  
DeRose, Joseph J, Jr  
Ford, Joseph M  
Goldstein, Daniel  
Hirose, Teruo

**Bronxville**

Frater, Robert WM

**Brooklyn**

Acinapura, Anthony J  
Cunningham, Joseph N  
Lahey, Stephen J  
Levowitz, Bernard S  
Sawyer, Philip N

**Buffalo**

Demmy, Todd L  
Hoover, Eddie L

**Canandaigua**

Craver, William L

**Chappaqua**

Fell, Stanley C

**Dewitt**

Parker, Frederick B, Jr

**East Amherst**

Bhayana, Joginder N

**East Quogue**

McCormack, Patricia M

**Garden City**

Hines, George L

**Germantown**

Reed, George E

**Mamaroneck**

Steichen, Felicien M

**New York**

Adams, David H  
Altorki, Nasser K  
Anagnostopoulos, CE  
Anyanwu, Anelechi C  
Argenziano, Michael  
Bacha, Emile A  
Bains, Manjit S  
Boyd, Arthur D  
Chen, Jonathan M  
Culliford, Alfred T, III  
DeAnda, Abe, Jr  
Downey, Robert J  
Filsoufi, Farzan  
Flores, Raja M  
Galloway, Aubrey C, Jr  
Girardi, Leonard N  
Green, George E  
Griep, Randall B  
Grossi, Eugene A  
Hochberg, Mark S  
Isom, O Wayne  
King, Thomas C  
Kirschner, Paul A  
Krieger, Karl H  
Lacour-Gayet, Francois G  
Lee, Paul C  
Litwak, Robert S  
Michler, Robert E  
Moggio, Richard A  
Mosca, Ralph S  
Naka, Yoshifumi  
Oz, Mehmet C  
Pass, Harvey I





Port, Jeffrey L  
Quaegebeur, Jan Modest  
Redo, S Frank  
Rose, Eric A  
Rusch, Valerie W  
Smith, Craig R  
Sonett, Joshua R  
Spencer, Frank C  
Spotnitz, Henry M  
Stewart, Allan S  
Subramanian, Valavanur A  
Tice, David A  
Veith, Frank J  
Wichern, Walter, Jr  
Williams, Mathew R  
Wolff, William I

#### **Northport**

Soroff, Harry S

#### **Pelham**

Adams, Peter X

#### **Plattsburgh**

Potter, Robert T

#### **Rochester**

DeWeese, James A  
Hicks, George L, Jr  
Schwartz, Seymour I  
Stewart, Scott

#### **Roslyn**

Thomson, Norman B, Jr  
Wisoff, George

#### **Stony Brook**

Bilfinger, Thomas V  
Rosengart, Todd K

#### **Syracuse**

Kohman, Leslie J  
Meyer, John A

#### **Valhalla**

Lansman, Steven L  
Spielvogel, David

#### **Voorheesville**

Foster, Eric D

#### **Williamsville**

Andersen, Murray N

#### **Chapel Hill**

Bowman, Frederick, Jr  
Egan, Thomas M  
Feins, Richard H  
Mill, Michael R  
Oldham, H Newland, Jr  
Sink, James D  
Starek, Peter J

#### **Charlotte**

Peeler, Benjamin B  
Robicsek, Francis  
Selle, Jay G

#### **Durham**

Anderson, Robert W  
D'Amico, Thomas A  
Davis, Robert D, Jr  
Glower, Donald D  
Harpole, David H, Jr  
Jaquiss, Robert D  
Jones, Robert H  
Lin, Shu S  
Lowe, James E  
Milano, Carmelo A  
Smith, Peter K  
Wolfe, Walter G

#### **Greensboro**

Van Trigt, Peter, III

#### **Greenville**

Chitwood, W Randolph, Jr  
Elbeery, Joseph R  
Ferguson, T Bruce, Jr  
Kypson, Alan P

#### **High Point**

Mills, Stephen A

#### **Highlands**

Mullen, Donald C

#### **Southport**

Murray, Gordon F

#### **Winston-Salem**

Hammon, John W, Jr  
Hudspeth, Allen S  
Kon, Neal D  
Meredith, Jesse H  
Ungerleider, Ross M

### **NORTH CAROLINA**

---

#### **Asheville**

Hill, Ronald C  
Kroncke, George M  
Takaro, Timothy  
Watson, Donald C

### **OHIO**

---

#### **Beachwood**

Loop, Floyd D

#### **Chagrin Falls**

Ankeney, Jay L

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**Cincinnati**

Albers, John E  
Callard, George M  
Eghtesady, Pirooz  
Flege, John B, Jr  
Helmsworth, James A  
Hiratzka, Loren F  
Ivey, Tom D  
Manning, Peter B  
Smith, J Michael  
Wilson, James Miller  
Wolf, Randall K  
Wright, Creighton B

**Cleveland**

Blackstone, Eugene H  
Cobanoglu, Adnan  
Cosgrove, Delos M  
Gillinov, A Marc  
Greenberg, Roy K  
Lytle, Bruce W  
Mason, David P  
Mavroudis, Constantine  
McCurry, Kenneth R  
Mihaljevic, Tomislav  
Murthy, Sudish C  
Navia, Jose L  
Pettersson, Gosta B  
Rice, Thomas W  
Sabik, Joseph F, III  
Smedira, Nicholas G  
Svensson, Lars G  
Van Heeckeren, Daniel W

**Columbus**

Davis, J Terrance  
Higgins, Robert SD  
Kakos, Gerard S  
Meckstroth, Charles  
Williams, Thomas E, Jr

**Dayton**

DeWall, Richard A

**Grove City**

Kilman, James W

**Lyndhurst**

Duncan, Brian W  
Kirby, Thomas J

**Toledo**

Gold, Jeffrey P

**OKLAHOMA**

---

**Oklahoma City**

Elkins, Ronald C  
Felton, Warren L, II  
Fisher, R Darryl  
Zuhdi, M Nazih

**Tulsa**

LeBeck, Martin B

**OREGON**

---

**Ashland**

Campbell, Daniel C, Jr

**Days Creek**

Miller, Arthur C

**Eugene**

Turley, Kevin

**Portland**

Furnary, Anthony P  
Handy, John R, Jr  
Krause, Albert H  
Lemmer, John H, Jr  
Okies, J Edward  
Poppe, J Karl  
Song, Howard K  
Starr, Albert

**Sisters**

Lupinetti, F Mark

**PENNSYLVANIA**

---

**Berwyn**

Edie, Richard N  
McKeown, John J, Jr

**Camp Hill**

Pennock, John L

**Carlisle**

DeMuth, William E, Jr

**Dallas**

Cimochowski, George E

**Glenolden**

Gorman, Robert C

**Hershey**

Campbell, David B  
Midgley, Frank M  
Myers, John L  
Pae, Walter E  
Pierce, William S  
Waldhausen, John A

**Huntingdon Valley**

Lemole, Gerald M

**Johnstown**

Kolff, Jacob

**Lancaster**

Bonchek, Lawrence I





**Newtown Square**

Jacobs, Marshall L

**Philadelphia**

Acker, Michael A  
Bavaria, Joseph E  
Bowles, L Thompson  
Bridges, Charles R  
Cooper, Joel D  
Diehl, James T  
Edmunds, L Henry, Jr  
Friedberg, Joseph S  
Gaynor, J William  
Gorman, Joseph H, III  
Guerraty, Albert J  
Hargrove, W Clark, III  
MacVaugh, Horace  
Pochettino, Alberto  
Samuels, Louis E  
Scott, Walter J  
Spray, Thomas L  
Wechsler, Andrew S  
Whitman, Glenn JR  
Woo, Y Joseph

**Pittsburgh**

Christie, Neil  
Gleason, Thomas G  
Hardesty, Robert L  
Keenan, Robert J  
Kormos, Robert L  
Landreneau, Rodney J  
Luketich, James D  
Magovern, George J  
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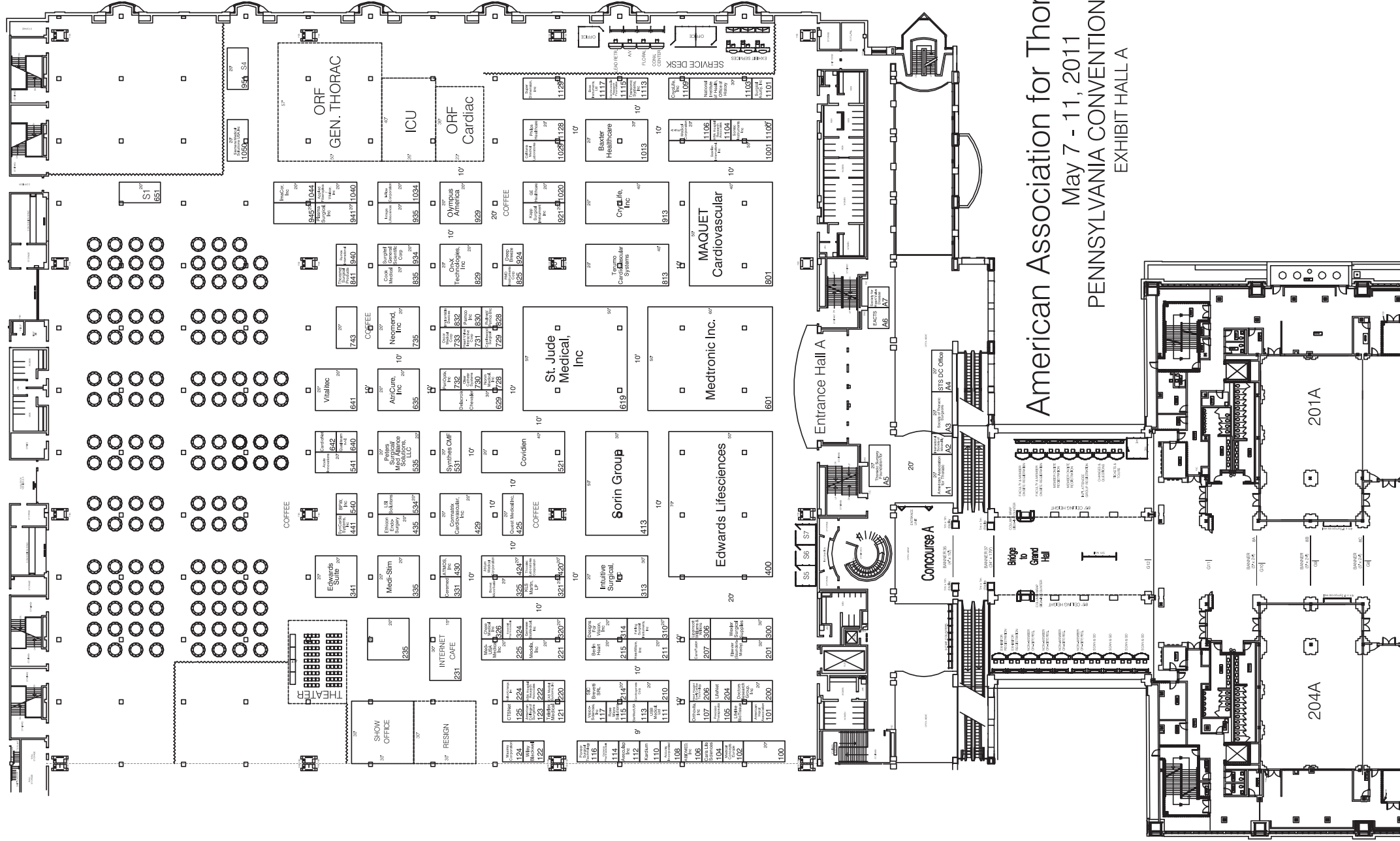
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|-----------------|-----------------------|---|
| Sunday, May 8   | 5:00 p.m. – 7:00 p.m. | (Welcome Reception)   |
| Monday, May 9   | 9:00 a.m. – 4:30 p.m. | (Breaks – 9:20 a.m. – 10:00 a.m.,<br>3:20 p.m. – 3:55 p.m.,<br>Lunch – 12:15 p.m. – 2:00 p.m.)  |
| Tuesday, May 10 | 9:00 a.m. – 4:00 p.m. | (Breaks – 10:05 a.m. – 10:40 p.m.,<br>3:00 p.m. – 3:45 p.m.,<br>Lunch – 12:30 p.m. – 2:00 p.m.) |

BOOTH

A & E Medical Corporation ..... 1106

2310 South Miami Blvd., Suite 240 Durham, NC 27703-5796

A&E Medical products include MYO/Wire® temporary pacing wires, MYO/Wire II sternum sires, MYO/Punch rotating aortic punch, DVR2 for minimally invasive saphenous vein harvest and DoubleWire high strength sternal closure system.

[www.aemedical.com](http://www.aemedical.com)

Abbott Vascular ..... S4

4045 Campbell Ave, Menlo Park, CA 94025

Abbott Vascular, a division of Abbott, is one of the world’s leading vascular care businesses. Abbott Vascular is uniquely focused on transforming the treatment of vascular disease and improving patient care by combining the latest medical device innovations with world-class pharmaceuticals, investing in research and development and advancing medicine through training and education.

[www.abbottvascular.com](http://www.abbottvascular.com)

ABIOMED, Inc. .... 106

22 Cherry Hill Drive, Danvers, MA 01915

Abiomed, Inc. is a leading provider of breakthrough heart support technologies enabling safer revascularization, heart muscle recovery and cost-effective patient care.

[www.abiomed.com](http://www.abiomed.com)

Accuray Incorporated ..... 108

1310 Chesapeake Terrace, Sunnyvale, CA 94089

As a proven solution for treating medically and surgically inoperable lung cancer patients and those seeking an alternative to surgery, the CyberKnife® Robotic Radio-surgery System precisely tracks respiratory motion to non-invasively ablate tumors with unparalleled healthy tissue preservation.

[www accuray.com](http://www accuray.com)





**BOOTH**

**Acute Innovations ..... 541**

21421 NW Jacobson Road, Suite 700, Hillsboro, OR 97124

Furthering our reputation as a leader in thoracic stabilization, ACUTE Innovations® introduces the AcuTie® sternal closure system. Attend our symposium and training event to learn how its design utilizes the ease of wire with the stability of a plate. ACUTE will continue showcasing the RibLoc and BioBridge rib stabilization plates.

**[www.acuteinnovations.com](http://www.acuteinnovations.com)**

**Aesculap Inc. .... 112**

3773 Corporate Parkway, Center Valley, PA 18034

Aesculap is a member of the B. Braun family of healthcare companies and the world's largest manufacturer of surgical instrumentation. For more than 138 years, Aesculap has provided customers with surgical instrumentation and implants for neurosurgery, ENT, plastic and reconstructive, thoracic, micro-vascular, cardiovascular, orthopedic and laparoscopic surgery.

**[www.aesculap.com](http://www.aesculap.com)**

**American Association for Thoracic Surgery ..... A1**

900 Cummings Center, #221-U, Beverly, MA 01915

Founded in 1917, the American Association for Thoracic Surgery is dedicated to excellence in research, education, and innovation in cardiothoracic surgery and has become an international professional organization of more than 1200 of the world's foremost cardiothoracic surgeons.

**[www.aats.org](http://www.aats.org)**

**American College of Surgeons ..... 123**

633 N. Saint Clair St., Chicago, IL 60611

The Thoracic Surgery Home Skills Kit was designed for patients requiring a lung resection/biopsy operation. The program includes: A booklet supporting the surgeon and patient with the information needed for informed choice, an instructional DVD allowing the patient to visualize their experience and the skills needed for full participation in recovery, and a program evaluation for patients and surgeons.

**[www.facs.org](http://www.facs.org)**

**American Heart Association ..... 101**

7272 Greenville Avenue, Dallas, TX 75231

The American Heart Association offers the latest information on cardiovascular and stroke research. Pick up free 2010 Core Collection CDs and Scientific Abstracts. Receive information on emergency cardiovascular care, professional membership, scientific publications, AHA scientific conferences, and more.

**[www.myamericanheart.org](http://www.myamericanheart.org)**

BOOTH

**Applied Fiberoptics/Vitalcor, Inc. .... 1040**

*100 E. Chestnut Avenue, Westmont, IL 60559*

Introducing the reusable Vascular Bulldog/Dingo Clamps. Latex Free Coronary Artery Balloon Cannulae with self-inflating balloon for cardioplegia delivery. Titanium and stainless steel instruments/retractors designed for open heart surgery. Reusable stabilizer for beating heart surgery. Axiom wound drains with special clot-stop coating. New Interpleural anesthesia catheter.

The Gemini Headlight is lightweight and perfectly balanced, sleek, ultra-low-profile designed headlight. Headlight eliminates the head ramming effect during surgery. The Sunbeam 300 Watt Xenon Light source delivers instant clean white light for superb tissue definition in hard-to-see cavities.

***[www.appliedfiberoptics.com](http://www.appliedfiberoptics.com)***

**AtriCure, Inc. .... 635**

*6217 Central Park Drive, West Chester, OH 45069*

AtriCure, a leader in cardiac surgical ablation devices featuring the Isolator Synergy™ bipolar RF clamp, the Isolator Linear™ pen and the Cryo ICE™ cryoablation probe. AtriCure's portfolio includes the AtriClip™ LAA exclusion system, the only device specifically approved for LAA exclusion. Science, Innovation, Results.

***[www.atricure.com](http://www.atricure.com)***

**Atrium Medical Corporation .... 424**

*5 Wentworth Drive, Hudson, NH 03051*

See Atrium's complete line of Thoracic Drainage Devices, including the Express Mini 500™ and Pneumostat™ Mobile Chest Drains, Ocean™ Water Seal, Oasis™ Dry Suction & Express™ Dry Seal Chest Drains. Coated & uncoated PVC & Silicone Thoracic Catheters, PleuraGuide™ Disposable Chest Tube Kit & Ultramax™ knitted double velour vascular grafts.

***[www.atriummed.com](http://www.atriummed.com)***



**BOOTH**

**Baxter Healthcare ..... 1013**

*One Baxter Parkway, DF323E, Deerfield, IL 60015*

Baxter is a global, diversified healthcare company with expertise in medical devices, pharmaceuticals, and biotechnology. The company continues its quest for advancing BioSurgery by offering a comprehensive line of products for hemostasis and sealing, adhesion reduction solution, and preparation/delivery devices based on the latest scientific advances in the field.

***www.baxterbiosurgery.com***

**Berlin Heart ..... 215**

*200 Valley Wood Road, Ste. B400, The Woodlands, TX 77380*

Berlin Heart, the only company worldwide that manufactures and distributes implantable (INCOR®) and paracorporeal (EXCOR®) VAD's for patients of every age and size with cardiovascular disease. EXCOR Pediatric is approved for clinical investigation in the US.

***www.berlinheart.com***

**BFW, Inc. .... 540**

*2307 River Road, #103, Louisville, KY 40206*

Recognized worldwide for unmatched design and engineering in surgical illumination, from its Thru-the-Lens Headlight Video System to the groundbreaking 10,000-hour ChromaLUME™ Turbo Plasma Headlight System, or the incredibly bright and portable VistaView II LED, BFW™ is the technological leader offering the most dependable headlight illumination systems in the medical field today.

***www.bfwinc.com***

**Biomet Microfixation ..... 325**

*1520 Tradeport Drive, Jacksonville, FL 32218*

Biomet Microfixation is a leading global healthcare provider of orthopedic products. Our thoracic portfolio includes the Pectus Bar for repair of Pectus Excavatum and the SternaLock Blu Primary Closure System for sternal closure. The Blu System aligns and stabilizes the sternum after sternotomy and enables easier closure after minimally invasive access.

***www.biometmicrofixation.com***

## BOOTH

**Boss Instruments, Ltd. .... 1117**

*395 Reas Ford Road, Suite 120, Earlysville, VA 22936*

BOSS Instruments concentrates on the global development and distribution of specialty lines of surgical instruments in disciplines such as: Cardiovascular/Thoracic, Neuro, Spine, Orthopedic, ENT and Ophthalmic. Displayed will be high quality German-crafted surgical instruments and retractors for cardiovascular, thoracic and minimally invasive cardiac surgery.

***www.bossinst.com***

**Cadence Pharmaceuticals ..... 114**

*918 N. Waterford Lane, Wilmington, DE 19808*

Cadence Pharmaceuticals is a biopharmaceutical company focused on in-licensing, developing and commercializing proprietary product candidates principally for use in the hospital setting. The company is currently marketing OFIRMEV (intravenous acetaminophen) for the treatment of acute pain and fever.

***www.cadencepharm.com***

**California Medical Laboratories ..... 1029**

*1570 Sunland Lane, Costa Mesa, CA 92626*

California Medical Laboratories is a manufacturer of Cardiovascular Cannulae, Catheters, Perfusion, Arrays of Cardioplegia Delivery/Chest Drainage/and Minimally Invasive Products, Suction and Venting Devices. We look forward to seeing you at Booth #1029 to discuss recent developments.

***www.calmedlab.com***

**Cardiogenesis Corp. .... 210**

*11 Musick, Irvine, CA 92618*

Cardiogenesis Corporation is a global leader of innovative therapies for ischemic cardiac disease. We are innovating to provide minimally invasive robotic and thorascopic TMR delivery systems for the treatment of patients suffering from debilitating angina.

***www.cardiogenesis.com***

**CardioNet ..... 642**

*227 Washington St., 2<sup>nd</sup> Floor, Conshohocken, PA 19428*

CardioNet is the leading provider of a comprehensive suite of cardiac arrhythmia monitoring services for diagnosing patients and monitoring treatment. The CardioNet AF Management Program is the most robust and comprehensive AF data available, providing physicians with the information they need to better diagnose, treat, and manage their patients.

***www.cardionet.com***





**BOOTH**

**Cardiovascular Research Foundation ..... 1115**

*111 E. 59<sup>th</sup> Street, New York, NY 10022*

The Cardiovascular Research Foundation is an independent, academically focused nonprofit organization dedicated to improving the survival and quality of life for people with cardiovascular disease through research and education. Since its inception in 1990, CRF has played a major role in realizing dramatic improvements in the lives of countless numbers of patients by establishing the safe use of new technologies and therapies in the subspecialty of interventional cardiology and endovascular medicine.

***www.tctconference.com***

**CareFusion ..... 207**

*11400 Tomahawk Crk. Parkway, Ste. 310, Leawood, KS 66211*

ChloraPrep applicators help improve patient outcomes by reducing skin micro-organisms that can cause bloodstream infections (BSIs) and surgical site infections (SSIs). The 2% CHG/70% IPA formulation and single-use applicators provide a proven system for infection control compliance across major and minor procedures.

***www.carefusion.com***

**Caris Life Sciences ..... 104**

*6655 MacArthur Blvd., Irving, TX 75039*

Caris Target Now™ evidence-based molecular profiling examines a patient's tumor, providing a customized biomarker analysis and matched treatment guidance specific to that tumor's molecular profile. Caris Target Now provides a simple report indicating the cancer therapies that are most likely to be effective and those likely to be ineffective.

***www.carisls.com***

**CAS Medical Systems, Inc. .... 220**

*44 E. Industrial Road, Branford, CT 06405*

CASMED, a leader in vital signs monitoring systems, presents the innovative FORE-SIGHT® Cerebral Oximeter for non-invasive, continuous monitoring of absolute cerebral tissue oxygen saturation. This intelligent device enables tailored patient management and a reduction in catastrophic desaturation events. Tel: (800)227-4414

***www.casmed.com***

**Castlewood Surgical ..... 729**

*91 Main Street, Suite 302, Concord, MA 01742*

Castlewood Surgical markets the Cyclone™ System. The Cyclone™ facilitates hand sewn clampless proximal anastomoses during OPCAB procedures.

***www.castlewoodsurgical.com***



## BOOTH

**Ceremed Inc. .... 331**

3643 Lenawee Ave., Los Angeles, CA 90016

Ceremed, Inc. is a medical device company, located in Los Angeles. Based in Polymer Technology, Ceremed's primary focus is a water-soluble, implantable material. The Alkaline Oxide Copolymer (AOC) is Biodissolvable™ and removed from the body unchanged and un-metabolized. It has numerous applications and is available in many different variations.

**[www.ceremed.com](http://www.ceremed.com)**

**Chase Medical Inc. .... 326**

1876 Firman Drive, Richardson, TX 75081

Chase Medical manufactures the Triumph™ Aortic Occlusion and Perfusion Cannula, a direct method of occluding the aorta vs. cross-clamping. Chase also offers a platform of Off-Pump surgery products including the TRIPOD™ heart stabilization system, a solid-metal arm with unique rotating foot pads.

**[www.chasemedical.com](http://www.chasemedical.com)**

**Clear Catheter Systems .... 730**

2200 NE Neff, Suite 204, Bend, OR 97701

Clear Catheter will be demonstrating their break-through product, Pleuraflow™, Active Tube Clearance system! Pleuraflow™ is a unique and proprietary product designed to actively keep chest drains from clogging, helping to prevent complications and increased costs related to chest tube drainage issues. Pleuraflow™, clearing the Pathway to recovery!

**[www.pleuraflow.com](http://www.pleuraflow.com)**

**Cook Medical .... 835**

P. O. Box 489, Bloomington, IN 47402-0489

Founded in 1963, Cook® Medical pioneered many of the medical devices now commonly used to perform minimally invasive medical procedures throughout the body. Today, the company integrates medical devices, drugs and biologic grafts to enhance patient safety and improve clinical outcomes.

**[www.cookmedical.com](http://www.cookmedical.com)**

**Cormatrix Cardiovascular, Inc. .... 429**

1615 Village Square Blvd., Ste. 5, Tallahassee, FL 32309

CorMatrix® Cardiovascular markets its ECM® Technology biomaterial devices for pericardial closure and cardiac tissue repair, and is currently conducting preclinical studies to evaluate future applications in heart failure as well as other cardiovascular applications.

**[www.cormatrix.com](http://www.cormatrix.com)**





**BOOTH**

**Covidien ..... 521**

*555 Long Wharf Drive, New Haven, CT 06511*

Covidien is a leading global healthcare products company that creates innovative medical solutions for better patient outcomes and delivers value through clinical leadership and excellence.

***www.covidien.com***

**CryoLife International ..... 913, 1109**

*1655 Roberts Blvd. NW, Kennesaw, GA 30144*

CryoLife focuses on the development of implantable biological devices, surgical adhesives and biomaterials for use in cardiac and vascular surgery. Committed to surgeon training, CryoLife is pioneering the use of biological simulators in the education of cardiothoracic surgeons on aortic root surgery techniques.

***www.cryolife.com***

**CTSNet ..... 125**

*401 Pratt Street, Baltimore, MD 21202*

CTSNet is the leading international source of online educational resources for cardiothoracic surgeons and associated medical professionals. CTSNet also hosts and supports the Websites of 52 professional cardiothoracic surgery organizations—including 34 international organizations.

***www.ctsnet.org***

**Deep Breeze ..... 924**

*1171 Forseth Dr., Haitland, WI 53029*

Deep Breeze's flagship product is the VRlxp™ lung imaging system which uses unique vibration response technology. Vibration response imaging is a very precise and rapid method for predicting post-operative lung function with potential lung resection patients. Pre and post-operative evaluation can be done cost effectively and in any clinical setting.

***www.deepbreeze.com***

**Delacroix – Chevalier ..... 629**

*3825 Commerce Dr., St. Charles, IL 60174*

MED Alliance Solutions is the exclusive US importer and distributor of Delacroix-Chevalier, Péters Surgical, and Alliant Healthcare. Delacroix-Chevalier manufactures cardiovascular and thoracic instrumentation and retractors, best known for Carpentier MV Retractor and instruments, Resano "Magic" Forceps, and IMA Retractor. Alliant Healthcare manufactures myocardial temperature probes, suture guides, and tubing organizers.

***www.medalliancesolutions.com***

BOOTH

**Designs For Vision, Inc. .... 314**

*760 Koehler Avenue, Ronkonkoma, NY 11779*  
Just See it with Designs for Vision's lightweight custom-made Surgical Telescopes now available with Nike Frames. See it even better with the L.E.D. Daylite or Twin Beam L.E.D. providing the brightest and safest un-tethered illumination.  
***www.designsforvision.com***

**Doctors Research Group, Inc. .... 200**

*574 Heritage Rd., Suite 202, Southbury, CT 06488*  
"Kryptonite™ Bone Cement"—Kryptonite™ Bone Cement is a porous, non-toxic, low exothermic adhesive with bone-like mechanical properties composed of naturally occurring fatty acids and calcium carbonate.  
***www.kryponiteusa.com***

**EACTS .... A6**

*3 Park Street, Windsor, SL4 1LU, United Kingdom*  
The EACTS is the largest European Association devoted to the practice of Cardio-thoracic surgery. The main objects of the Association are to advance education in the field of cardio-thoracic surgery and to promote, for the public benefit, research into cardiovascular and thoracic physiology, pathology and therapy and to correlate and disseminate the useful results thereof. Visit the booth for information on membership, future meetings and all activities of EACTS  
***www.eacts.org***

**Edwards Lifesciences .... 400**

*One Edwards Way, Irvine, CA 92614*  
Edwards Lifesciences is the global leader in the science of heart valves and hemodynamic monitoring. Driven by a passion to help patients, the company partners with clinicians to develop innovative technologies in the areas of structural heart disease and critical care monitoring that enable them to save and enhance lives.  
***www.edwards.com***

**Elsevier (Saunders-Mosby) .... 201**

*8457 Eagles Coop Cr., Windermere, FL 34786*  
Elsevier delivers reliable, relevant content, tools and support across the entire health science curriculum in ways that help educators, their students and practitioners achieve high levels of success. Trust ELSEVIER to offer superior resources that expand your knowledge, foster communication, enable individual and collective advancement in the healthcare field. ELSEVIER, building insights, breaking boundaries!  
***www.elsevierhealth.com***





**BOOTH**

**Essential Pharmaceuticals ..... 324**

*770 Newtown Yardley Road, Suite 212, Newtown, PA 18940*

Essential Pharmaceuticals is a specialty pharmaceutical company devoted solely to the development and sales of branded pharmaceutical products in the transplant and cardiothoracic surgery fields including Custodiol® HTK organ preservation solution. Originally developed for cardiac surgery, Custodiol® HTK offers superior convenience due to its easy handling characteristics, water like viscosity and no need for additives or filters which makes it a preferred solution for many transplant centers.

***[www.custodiol.com](http://www.custodiol.com) or [www.essentialpharma.com](http://www.essentialpharma.com)***

**Ethicon Endo-Surgery ..... 435**

*4545 Creek Road, Cincinnati, OH 45242*

Ethicon Endo-Surgery, a Johnson & Johnson company, develops and markets advanced medical devices for minimally invasive and open surgical procedures, focusing on procedure-enabling devices for the interventional diagnosis and treatment of conditions in general and bariatric surgery, as well as gastrointestinal health, gynecology and surgical oncology.

***[www.ethiconendosurgery.com](http://www.ethiconendosurgery.com)***

**Fehling Surgical Instruments, Inc. .... 310**

*509 Broadstone Lane, Acworth, GA 30101*

FEHLING SURGICAL INSTRUMENTS exhibit features the Fehling CERAMO® Instrument Line, SUPERPLAST Coronary Probes and Instruments for Minimally Invasive Cardiac Surgery as well as Retractor Systems. Black CERAMO® surface means high efficiency through enhanced performance, increased endurance and minimal maintenance. See and feel the difference.

***[www.fehlingsurgical.com](http://www.fehlingsurgical.com)***

**GE Healthcare ..... 1020**

*384 Wright Brothers Drive, Salt Lake City, UT 84116*

GE is making a new commitment to health. Healthymagination will change the way we approach healthcare, with more than 100 innovations all focused on addressing three critical needs: lowering costs, touching more lives and improving quality.

***[www.gehealthcare.com](http://www.gehealthcare.com)***



BOOTH

**Genesee BioMedical, Inc. .... 320**

*1308 South Jason Street, Denver, CO 80223-3408*

Innovation Changing Life through products for Cardiothoracic Surgery. Genesee BioMedical, Inc. develops, manufactures and sells instruments and devices for cardiothoracic surgery. Unique Genesee products include sternal and thoracic retractors for adult/pediatric cardiac surgery, reusable cardiac positioners, coronary graft markers, myocardial temperature probes and suture guards. All products are CE marked.

***www.geneseebiomedical.com***

**GerMedUSA ..... 113**

*2417 Jericho Turnpike #333, Garden City Park, NY 11040*

GerMedUSA markets high quality and affordable German Surgical Instruments. We manufacture a variety of Podiatry Instruments such as Locking Pliers, Self Retaining Retractors, Fracture Management, Wire & Pin Cutters and Instrument Sets for most surgical procedures. For decades GerMedUSA persist to be known worldwide for having the most stellar quality Surgical Instruments. GerMedUSA understands the importance of details when crafting Medical Surgical Instruments and Equipment, therefore GerMedUSA craftsmen continue to manufacture great quality German Surgical Instruments and Hospital Equipment in the industry. GerMedUSA, Inc Surgical Equipment Instruments not only come with a Lifetime Warrantee but we also offer our customers the most reliable customer service.

***www.germedinc.com***

**Heart Hugger/Gen'l Cardiac Technology ..... 206**

*15814 Winchester Blvd., #105, Los Gatos, CA 95030*

Heart Hugger-Sternum Support Harness is a patient operated support harness applied post-op to splint surgical wounds. Benefits include improved patient compliance, faster return to pre-morbid respiratory levels, fewer wound complications and better post-op mobility. It is useful for post open-heart, thoracotomy, fractured rib and other chest trauma patients.

***www.hearthugger.com***

**Heart Valve Interactive Corp ..... 731**

*2117 Huntington Lane, Unit A, Redondo Beach, CA 90278*

With online access to over 1,000,000 patients, HeartValveSurgeons.com has become the leading referral service. Come meet Adam Pick, patient, author of "The Patient's Guide To Heart Valve Surgery" and founder of HeartValveSurgeons.com, HeartValveBlog.com, HeartValveJournals.com and HeartValveBook.com to learn more.

***www.heartvalvesurgeons.com, heartvalveblog.com, heartvalvejournals.com, heartvalvebook.com***





**BOOTH**

**HeartWare, Inc. .... 211**

*205 Newbury St., Framingham, MA 01701*

HeartWare, Inc. is developing a family of implantable mechanical circulatory support systems for the treatment of advanced heart failure. HeartWare's lead device, the HeartWare® Ventricular Assist System, incorporates state-of-the-art peripherals and features the only full-output pump designed to be implanted less invasively in the pericardial space. The HeartWare® System is commercially available in Europe and is the subject of a 150-patient US IDE trial.

***www.heartware.com***

**HRA Hospital Research Associates ..... 222, 1104**

*400 Lanidex Plaza, Parsippany, NJ 07054*

Our team of experienced interviewers will be distributing carefully developed questionnaires. We'll be gathering the answers to vital marketing and clinical questions—answers that can affect the introduction of new products or the continuation of existing healthcare products and services.

***www.hraresearch.com***

**I-Flow Corporation ..... 1034**

*20202 Windrow Dr., Lake Forest, CA 92630*

ON-Q is labeled to significantly reduce pain better than narcotics and to significantly reduce narcotics intake after surgery. ON-Q was upheld as a best practice for post-surgical pain relief and its widespread use was encouraged as part of an independent study published in the prestigious Journal of American College of Surgeons.

***www.iflo.com***

**ImaCor, Inc. .... 1044**

*50 Charles Lindberg Blvd., Suite 200, Uniondale, NY 11553*

ImaCor, an innovative manufacturer, has developed the ClariTEE, a miniaturized TEE monitoring probe. The ClariTEE probe may remain indwelling for up to 72 hours providing direct visualization of the heart. The ImaCor ClariTEE probe has broken the rules of traditional ultrasound and will change the future of hemodynamic monitoring by improving outcomes and lowering costs.

***www.imacormonitoring.com***



## BOOTH

### **Implantable Devices ..... 832**

*3851 62<sup>nd</sup> Ave., N. Suite A, Pinellas, FL 33781*

Implantable Devices Manufactures a patented FAMILY of CAROTID SHUNTS which feature a built in DOPPLER CRYSTAL that allows you to hear the blood flow in the shunt. Every style shunt is offered. Balloon shunts, wire reinforced soft material, and more rigid PVC shunts.

### **Integra Lifesciences ..... 935**

*311 Enterprise Drive, Plainsboro, NJ 08536*

Integra is a leader in Acute Care Surgical Products. The company's portfolio includes quality instrumentation solutions for your sterile processing or OR needs in laparoscopic, general, cardiovascular, neuro, plastic, and reconstructive surgery. Products include Lextec illumination systems and cables, instruments from Jarit, Redmond, Padgett, Omni-Tract table-mounted retractors and CIMS Consulting Services.

***[www.integra-surgical.com](http://www.integra-surgical.com)***

### **International Society for Minimally Invasive Cardiothoracic Surgeons ..... A2**

*900 Cummings Center, Suite 221-U, Beverly, MA USA 01915*

ISMICS is the leader in Techniques, Technology & Innovation in CVT Surgery. ISMICS 2011 Annual Scientific Meeting, 8-11 June 2011, Mayflower Hotel, Washington, DC.

***[www.ismics.org](http://www.ismics.org)***

### **Intuitive Surgical, Inc. .... 313**

*1266 Kifer Rd, Bldg 101, Sunnyvale, CA 94086*

Intuitive Surgical, Inc. is the global technology leader in robotic-assisted, minimally invasive surgery. The Company's da Vinci® Surgical System offers breakthrough capabilities that enable cardiac surgeons to use a minimally invasive approach and avoid median sternotomy.

***[www.intuitivesurgical.com](http://www.intuitivesurgical.com)***

### **Kapp Surgical Instrument Inc. .... 921**

*4919 Warrensville Center Rd., Cleveland, OH 44128*

Kapp Surgical is a custom design shop which designs surgical instruments and implants, manufactures them, and sells as well as distributes domestically and internationally. Kapp's exclusive products are: The Cosgrove Heart Retractor, Bariatric Ring, Strip T's surgical organizer, and countless surgical devices all FDA approved with several pending approvals. (Kapp owns 39 patents)

***[www.kappsurgical.com](http://www.kappsurgical.com)***





**BOOTH**

**Kardium ..... 110**

*100–12851 Rowan Pl, Richmond, BC, V6V2K5, Canada*

Kardium introduces the TORQ™, a device to assist with sternal closure. The TORQ™ uniformly tensions and tightly twists standard sternal wires without breakage, resulting in a better and more repeatable closure.

***www.kardium.com***

**Karl Storz Endoscopy-America, Inc. .... 743**

*2151 E. Grand Ave, El Segundo, CA 90245*

Karl Storz Endoscopy-America, Inc., a leader in endoscopic equipment and instruments, offers solutions for video-assisted thoracic surgery (VATS). Our Video Mediastinoscopes with DCI-D1 Camera allow video recording while working under direct vision. The Karl Storz Endocameleon combines the comfort of conventional 0° laparoscopes with variable viewing, adjustable between 0° and 120°.

***www.karlstorz.com***

**KLS Martin, LP ..... 321**

*PO Box 16369, Jacksonville, FL 32245*

KLS-Martin, a responsive company, is focused on the development of innovative products for oral, plastic and craniomaxillofacial surgery. New product developments in our titanium osteosynthesis plating systems allow these products to be used for rapid sternal fixation and reconstruction.

***www.klsmartin.com***

**LifeLike BioTissue, Inc. .... 103**

*25 Chicora Ave, Toronto, ON, Canada*

LifeLike BioTissue Inc. uses proprietary technology to manufacture artificial soft tissues (e.g., saphenous veins, thoracic aortas, arteries, micro vessels, bowels etc.) that have the same mechanical properties as real tissues, for a highly realistic surgical skills training or procedure demonstration experience. LifeLike BioTissue offers “The Closest Thing to Real Tissue” at an affordable price.

***www.lifelikebiotissue.com***

**LifeNet Health ..... 204**

*1864 Concert Dr., Virginia Beach, VA 23453*

LifeNet Health Bio-Implants Division is a leader in the engineering and processing of dental, cardiovascular, spinal and orthopedic bio-implants and distributes more than 300,000 bio-implants every year to restore health to patients around the world.

***www.lifenethealth.org***



## BOOTH

**Lippincott Williams & Wilkins ..... 306**

*1578 Fordham St., Bolingbrook, IL 60490*

Lippincott; Williams & Wilkins publishes extensively in the area of thoracic and cardiothoracic surgery. Please visit our display to see new and current textbooks in this specialty area.

***www.lww.com***

**LSI Solutions ..... 534**

*7796 Victor-Mendon Road, Victor, NY 14564*

Providing innovative surgical products since 1986, LSI SOLUTIONS® proudly introduces our first product for MIS cardiothoracic surgery: The new 5 mm COR-KNOT™ System quickly places miniature mechanical knots made of titanium for excellent automated suture security.

***www.lsisolutions.com***

**MAQUET Cardiovascular ..... 801**

*45 Barbour Pond Road, Wayne, NJ 07470*

MAQUET Cardiovascular is a global market leader offering a comprehensive portfolio of products for on- and off-pump cardiac bypass, intra-aortic balloon pump therapy and cardiac and vascular surgery needs.

***www.maquet.com***

**Masimo Corporation ..... 124**

*40 Parker, Irvine, CA 92618*

Masimo is a global medical technology company that develops and manufactures innovative noninvasive patient monitoring technologies, including medical devices and a wide array of sensors. A key medical technology innovator, Masimo is responsible for the invention of award-winning noninvasive technologies that are revolutionizing patient monitoring, including Masimo SET® pulse oximetry, Masimo Rainbow SET® noninvasive and continuous hemoglobin (SpHb®), acoustic respiration rate (RRa™), Masimo Patient SafetyNet™, and SEDLine® (EEG-based) Brain Function Monitors.

***www.masimo.com***





## BOOTH

### **Medela, Inc. .... 221**

*1101 Corporate Drive, McHenry, IL 60050*

Medela, the market leader in breastpumps, has innovated and manufactured medical vacuum solutions featuring Swiss Technology for over 50 years. From this foundation of excellence and quality, Medela expanded into chronic wound management with negative pressure wound therapy and improving cardiothoracic care through the first digital chest tube management system.

***www.medela.com***

### **Medical Concepts Europe ..... 102**

*1083 Delaware Ave., Buffalo, NY 14209*

MCE provide complete solutions for temporary pacing of cardiac surgery patients. Advanced designs in bipolar temporary pacing leads for adults and pediatrics and FastLock single use interconnect cable to increase reliability and efficacy of pacing.

***www.heartmedical.nl***

### **Medi-Stim ..... 335**

*73<sup>rd</sup> Avenue North, #12, Maple Grove, MN 55369*

MediStim now expands your intraoperative CABG guidance with epiaortic and epicardial ultrasound scanning technologies. Coupled with our class-leading transit time flowmetry platform, MediStim presents the capability to clearly identify aortic plaque with user-friendly, high resolution ultrasonography through a probe specifically designed for cardiac surgical procedures.

***www.medistim.com***

### **Medtronic Inc. .... 601**

*710 Medtronic Parkway, Minneapolis, MN 55432*

Medtronic is committed to Innovating for Life. Discover our comprehensive product portfolio in the areas of structural heart and aortic diseases, including transcatheter, tissue and mechanical valves; blood management; surgical ablation; OPCAB; perfusion; and aortic stent graft systems.

***www.medtronic.com***

### **Med-USA Medical Inc. .... 225**

*3701 Sea Ray Channel, Edmond, OK 73013*

Med-USA's STRATOS™ and STRACOS™ Thoracic Osteosyntheses Systems are an innovative, universal and easy-2-use solution for internal chest wall stabilization in deformities, costal fractures, Flail Chest, defect bridging after tumor removal, and secondary sternal closure. No Screws, No Wires, No Pull-outs! Provides reduced patient length-of-stay, and pain.

***www.med-usainc.com***



## BOOTH

### **National Institute of Health, Office of History ..... 1103**

*45 Center Drive, Building 45, Room 3AN 44A, Bethesda, MD 20892*

A traveling exhibition: "Innovation & Invention: NIH and Prosthetic Heart Valves," produced by the NIH's and the FDA's Offices of History, and underwritten by AATS, opens here at the annual meeting to engage its most discerning audience. Please visit the object-rich museum installation at the NIH's Clinical Center in Bethesda.

***www.nih.gov***

### **Neomend, Inc. .... 735**

*60 Technology Drive, Irvine, CA 92618*

ProGEL currently the only FDA approved commercially available Pleural Air Leak Sealant. ProGEL has clinically proven to be significantly effective in sealing interoperative air leaks and reduce hospital stay. ProGEL is easy to prepare, apply, gels quickly, and offers strong and flexible seal that can handle lung contraction and expansion.

***www.neomend.com***

### **Nonin Medical, Inc. .... 728**

*13700 1<sup>st</sup> Avenue North, Plymouth, MN 55441*

A powerful tool to monitor critical cerebral and organ health, Nonin Medical's Model 7600 Regional Oximetry System measures—accurately, reliably and consistently—the balance of oxygenated and deoxygenated hemoglobin (HbO<sub>2</sub> and Hb) in the cerebral cortex, paving the way for early perioperative intervention to help prevent ischemia.

***www.nonin.com***

### **Olympus America ..... 929**

*3500 Corporate Parkway, POB 610, Center Valley, PA 18034-0610*

Olympus is merging laparoscopic and endoscopic technologies to advance minimally invasive surgical solutions that help healthcare professionals to improve clinical outcomes. Through innovative diagnostic and therapeutic tools that enable Laparo-Endoscopic Single-Site (LESS) surgery and OR systems integration, Olympus is enhancing people's lives and transforming the future of healthcare.

***www.olympussurgical.com***

### **On-X Life Technologies, Inc. .... 829**

*8200 Cameron Road, Suite A-196, Austin, TX 78754*

On-X® Heart Valves: Patented natural design and On-X® Carbon offer reduced turbulence in a mechanical valve to rival the clinical and hemodynamic performance of bioprostheses. FDA IDE approved PROACT (Prospective Randomized On-X® Anticoagulation Clinical Trial) is in process.

***www.onxvalves.com***





**BOOTH**

**Orthovita, Inc. .... 107**

*77 Great Valley Parkway, Malvern, PA 19312*

Orthovita, an orthobiologics/biosurgery company, offers innovative hemostats for controlling intra-operative bleeding. Vitagel™ Surgical Hemostat, a unique, collagen-based matrix, controls bleeding and facilitates healing, while Vitasure™ Absorbable Hemostat, a plant-based product, can be deployed quickly throughout surgery. Orthovita's orthobiologics platform offers products for the fusion, regeneration and fracture fixation of human bone.

***www.orthovita.com***

**Oscor Medical Corp. .... 733**

*3816 De Soto Blvd., Palm Harbor, FL 34683-1618*

Oscor offers complete turnkey product and OEM outsourcing solutions for medical device design and manufacturing. In-house capabilities: Product Design and Engineering, Mold Making, Injection Molding, CNC Machining, Extrusion, Cleanroom Assembly, Packaging and Sterilization. Typical products: Pacing and Stimulation Leads, Introducers, Adaptors, Catheters, and Shaft Assemblies. FDA registered. ISC 13485;2003 certified.

***www.oscor.com***

**Pemco Inc. .... 830**

*5663 Brecksville Road, Cleveland, OH 44131-1593*

Since 1955 Pemco has designed and manufactured precision surgical instruments for the cardiovascular field. Pemco has documented that Perfusion Cannula, Coronary Ostial Cannula and Cardiac Suckers offer significant cost savings over disposables. Additional products include reusable Subclavian and Femoral Cannula, Anesthesia Screens and the Rultract Retractor.

***www.pemco.com***

**PeriOptix, Inc. .... 732**

*1001 Ave. Pico C620, San Clemente, CA 92673*

PeriOptix™ introduces the new Solaris mini™ LED Headlight. No other LED is lighter, smaller or "cooler", weighting only 5.9g. PeriOptix also offers the Adidas Micro TTL™ the lightest through-the-lens design on the market weighing in at only 36 grams, in many designs and styles.

***www.perioptix.com***

BOOTH

**Peters Surgical/Med Alliance Solutions, LLC ..... 535**

42, Rue Benoit Frachon, Bobigny cedex 93000 France

Expert in cardiovascular surgery Péters Surgical offers a wide range of sutures including: Corolene® polypropylene monofilament with a minimal memory, Premio® PVDF monofilament designed for cardiopediatric surgery, Cardionyl® unique monofilament suture for MV repair, Cardioxyl® and Cardioflon® respectively siliconized and teflonized polyester braids for valve and ring fixation, and also Uniring® Universal Annuloplasty System.

[www.peters-surgical.com](http://www.peters-surgical.com)

**Philips Healthcare ..... 1128**

22100 Bothell-Everett Highway, Bothell, WA 98021

A Hybrid OR can help make life simpler for the interdisciplinary teams who operate in this environment every day. As a world leader in cardiovascular X-ray, Philips has the experience and expertise to deliver first-class imaging technology you need to perform minimally invasive procedures. Visit our booth to learn about the solutions Philips and Philips' partners offer for the hybrid OR.

[www.medical.philips.com](http://www.medical.philips.com)

**Pioneer Surgical Technology ..... 116**

375 River Park Circle, Marquette, MI 49855

The Pioneer Sternal Cable System consists of multi-strand stainless steel cable which is tensioned and crimped in place for a secure closure. With significantly more static and fatigue strength than traditional monofilament wire, its flexibility and ease-of-use make it a better choice, while its price tag offers an economical alternative!

[www.pioneersurgical.com](http://www.pioneersurgical.com)

**Plasma Surgical, Inc. .... 941**

1125 Northmeadow Parkway Ste. 100, Roswell, GA 30076

PlasmaJet® technology sets a new standard in surgery, Plasma Surgery. Harnessing aerospace technology and the unique properties of plasma, PlasmaJet offers surgeons a multi-functional tool for clean, precise surgical cutting and coagulation on tissue and bone with minimal collateral damage. The PlasmaJet® is also used for aerostasis on lung tissue and thermal surgical tumor destruction.

[www.plasmasurgical.com](http://www.plasmasurgical.com)





**BOOTH**

**Precision Therapeutics ..... 105**

*2516 Jane Street, Pittsburgh, PA 15203*

Precision Therapeutics is committed to improving outcomes of cancer patients. Precision's ChemoFx®, a proprietary drug response marker, measures an individual's malignant tumor response to a range of standard therapeutic alternatives under consideration by a physician.

***www.precisiontherapeutics.com***

**Qualiteam s.r.l. .... 640**

*Casale Nassio Sopra 15A, Chiaverano TO 10010, Italy*

Qualiteam is a company devoted to create products that will advance postoperative care for patients, and thereby improve the overall hospital experience and speed up recovery, which may result in cost savings for health care administrators. We present our products which are all created with high functionality and focus on patient comfort.

***www.qualiteam.com***

**Quest Medical Inc. .... 425**

*One Allentown Parkway, Allen, TX 75002-4211*

FEATURES MPS®2 SYSTEM PROVIDING FLEXIBILITY/control to optimize myocardial protection strategy w/Microplegia & cyclic flow (pulsatile) and pediatric protocols, including cardioplegia delivery catheters/accessories, Retract-O-Tape® silicone vessel loops; CleanCut™, PerfectCut®, and the bullet-nose rotating aortic punches.

***www.questmedical.com***

**RMD Instruments Corp. .... 825**

*44 Hunt Street, Watertown, MA 02472*

RMD Navigator GPS System with Daniel Lung Probe for VAT localization and resection of sub-centimeter indiscriminate pulmonary nodules. The Navigator is also used for the surgical localization of 18F-FDG PET pharmaceuticals and sentinel lymph node mapping via the RMD Gamma-PET Probe and 12 mm SMX Probe.

***www.rmdinc.com***

**Rose Micro Solutions ..... 115**

*4105 Seneca Street, West Seneca, NY 14224*

Rose Micro Solutions sells Optical Loupes & LED Lights for less. We are a "Family" Business consisting of 4 brothers. We named our company after our mother "ROSE". Call us @ 716-608-0009 or visit us @ [www.rosemicrosolutions.com](http://www.rosemicrosolutions.com).

***www.rosemed.com***



BOOTH

**Rultract/Pemco Inc. .... 828**

*5663 Brecksville Road, Cleveland, OH 44131-1593*

Rultract/Pemco established a medical industry standard for surgical retractor systems providing gentle and uniform lift allowing maximum exposure for IMA dissection, re-do hearts, xiphoid entry, subxiphoid pericardial procedures, minimally invasive procedures (capable for use with Thoratrak), parasternal procedures, pediatric/ASD, t-incisions, & trans-abdominal GEA midcab.

***www.rultract.net***

**Rumex International ..... 940**

*8601 4<sup>th</sup> Street North, Suite 201, St. Petersburg, FL 33702*

Rumex International Co., a leader in micro surgical instruments, will be displaying a complete line of surgical instruments for Cardiovascular Surgery including Scissors, Forceps, Needle Holders plus much more!

***www.rumex.net***

**Scanlan International, Inc. .... 1001**

*One Scanlan Plaza, St. Paul, MN 55107*

Highest quality surgical products designed and manufactured by the Scanlan family since 1921. Over 3000 titanium and stainless steel precision instruments including: VATS/ MICS thoracoscopic instruments, SCANLAN®MEMORY instruments, and SCANLAN® LEGACY titanium needle holders and forceps. Single-use products include SCANLAN® Aorta/Vein Punch, VASCU-STAT® bulldog clamps and graft markers.

***www.scanlaninternational.com***

**SIC Brevetti SRL ..... 214**

*206 Country Club Way, Ipswich, MA 01938*

The DSS (Device for Sternal Synthesis) is a new, simple, and inexpensive approach to stabilize the sternum and promote fusion. The DSS protects the bone from the wire, it's quick and easy to implant, and the surgeon closes in the usual method with wires or cables. No special tools are required.

***www.d-s-s.it***

**Siemens Medical Solutions USA, Inc. .... 1050**

*51 Valley Stream Parkway, Malvern, PA 19355*

The Siemens Healthcare Sector is one of the world's largest suppliers to the health-care industry and a trendsetter in medical imaging, laboratory diagnostics, medical information technology and hearing aids. With over 100 installations in the US (over 200 worldwide), Siemens is a leading provider of imaging systems for the Hybrid OR.

***www.siemens.com/healthcare***





**BOOTH**

**Society of Thoracic Surgeons ..... A3**

*633 N. St. Clair, Suite 2320, Chicago, IL 60611*

The Society of Thoracic Surgeons represents more than 6,000 surgeons, researchers, and allied health care professionals worldwide who are dedicated to ensuring the best possible outcomes for surgeries of the heart, lung, and esophagus, as well as other surgical procedures within the chest. The STS 48<sup>th</sup> Annual Meeting, the Society's pre-eminent educational event, will be held January 30–February 1, 2012, in Fort Lauderdale, Florida. STS/AATS Tech-Con 2012 will be held just prior to the Annual Meeting, January 28–29. The Society offers a wide variety of member benefits, including reduced participation fees in the renowned STS National Database, a complimentary subscription to the prestigious Annals of Thoracic Surgery, dynamic educational offerings, online patient information resources, and much more. Stop by Booth #A3 to learn more about The Society of Thoracic Surgeons.

***www.sts.org***

**Sontec Instruments Inc. .... 1100**

*7248 South Tucson Way, Englewood, CO 80112*

Sontec offers the most comprehensive selection of exceptional hand held surgical instruments available to the discriminating surgeon. There is no substitute for quality, expertise and individualized service. Sontec's vast array awaits your consideration at our booth.

***www.sontecinstruments.com***

**Sorin Group ..... 413, S1**

*14401 W. 65<sup>th</sup> Way, Arvada, CO 80004*

With a comprehensive heart valve portfolio and over 40 years of mfg experience, Sorin Group's innovative prosthetic tissue and mechanical heart valves and repair devices deliver superior hemodynamic performance, exceptional durability and best-in-class clinical outcomes. Sorin Group is THE CHOICE of cardiac surgeons worldwide.

***www.sorin.com***

**St. Jude Medical, Inc. .... 619**

*One St. Jude Medical Drive, St. Paul, MN 55117*

St. Jude Medical develops medical technology designed to put more control into the hands of those who treat cardiac, neurological and chronic pain patients worldwide. The company is dedicated to advancing the practice of medicine by reducing risk wherever possible and contributing to successful patient outcomes.

***www.sjm.com***



BOOTH

**STS DC Office ..... A4**

1025 Connecticut Ave., NW, Ste. 1104, Washington, DC 20336  
The STS/AATS Advocacy Center Booth #A4 is the best place to learn about STS/AATS government relations activities and to find out how you can help your practice and the future of the specialty. Stop by Booth #A4 where you can e-mail your Congressional representatives, receive timely information on federal legislation and regulations impacting your practice, and explore options for grassroots advocacy in your state and congressional district.  
**[www.sts.org](http://www.sts.org)**

**superDimension, Inc. .... 1129**

161 Cheshire Lane, Ste 100, Plymouth, MN 55441  
superDimension, Inc. develops and manufactures software, hardware and disposables for the lung disease market. superDimension's iLogic system is the total bronchial access and navigation system that provides a safe pathway to peripheral or central lung lesions, even for patients with procedure-restricting conditions.  
**[www.superdimension.com](http://www.superdimension.com)**

**Surgical Acuity, Inc. .... 1101**

3225 Deming Way, Middleton, WI 53562  
Surgical Acuity designs and manufactures high-performance magnification loupes for surgeons and other medical professionals. Renowned for quality craftsmanship, our loupes deliver remarkable resolution over a deep and wide viewing field. We use lightweight optics made from only the finest grade of glass. Surgical Acuity offers the best in magnification for today's surgeons.  
**[www.surgicalacuity.com](http://www.surgicalacuity.com)**

**Surgitel/General Scientific Corp ..... 934**

77 Enterprise Drive, Ann Arbor, MI 48103  
SurgiTel Systems is dedicated to offering the best in ergonomics, vision, and comfort. Coupling SurgiTel Systems' High Definition Optics with Oakley Frames, we offer the very best in magnification systems. SurgiCam, our new loupe-mounted camera system, is digital and lightweight allowing the viewers to see images at the user's perspective.  
**[www.surgitel.com](http://www.surgitel.com)**





**BOOTH**

**SynCardia Systems, Inc. .... 441**

*1992 E Silverlake Drive, Tucson, AZ 85713*

The SynCardia temporary Total Artificial Heart (TAH-t) is the world's only FDA, Health Canada and CE approved Total Artificial Heart. It is approved as a bridge to transplant for patients dying from end-stage biventricular failure. Visit our booth for updates on the IDE clinical study for the Freedom® portable driver.

***www.syncardia.com***

**Synthes CMF ..... 531**

*1301 Goshen Parkway, West Chester, PA 19380*

Synthes CMF develops, produces and markets instruments and implants for the surgical reconstruction of the human skeleton and soft tissues. Our product offering includes systems for internal fixation of the sternum following a sternotomy/osteotomy or fracture of the sternum and rib, with options to stabilize and promote fusion.

***www.synthes.com***

**Teleflex Medical ..... 121**

*2400 Bernville Road, Reading, PA 19605*

The Teleflex portfolio offers today's cardiothoracic surgeon comprehensive resources including: Horizon™, Hemo-clip® ligation, Hem-o-lok®, Tevdek®, Deklene® Maxx suture, Pleur-evac® chest drainage. Weck, Deknatel, & Pilling are recognized pioneer companies providing cardiovascular products enhancing patient outcomes.

***www.teleflexmedical.com***

**Terumo Cardiovascular Systems ..... 813**

*6200 Jackson Road, Ann Arbor, MI 48103*

Terumo will display Vascutek® Gelweave™ gelatin-sealed, woven, branched vascular grafts for debanching and associated hybrid procedures, the new VirtuoSaph® Plus Endoscopic Vessel Harvesting System, ROCSafe™ Hybrid Perfusion System, SmartPREP® 2 Platelet Concentrate System, Terumo® Advanced Perfusion System 1, and Terumo® Cannulae for Cardiac Surgery.

***www.terumo-cvs.com***

**The Society for Heart Valve Disease ..... A7**

*900 Cummings Center, Suite 221-U, Beverly, MA 01915*

The SHVD's mission is to promote, support, and encourage research and the education of the public in the causes, prevention, and treatment of heart valve disease, or related cardiac conditions and illnesses. Society members include cardiologists, cardiothoracic surgeons, researchers, allied health professionals, students, and institutional representatives from around the globe.

***www.shvd.org/***



BOOTH

**Thoracic Surgery Foundation for Research and Education (TSFRE) ..... A5**

*900 Cummings Center, #221-U, Beverly, MA 01915*

The Thoracic Surgery Foundation for Research and Education (TSFRE) was established in 1992 to increase knowledge and enhance treatment of patients with cardiothoracic disease, to develop skills of cardiothoracic surgeons as surgeon-scientists and health policy leaders and to strengthen society's understanding of the specialty. Physicians, corporate partners and patients are urged to contribute to TSFRE. Please stop by the TSFRE booth for your donor sticker and visit [www.tsfre.org](http://www.tsfre.org) for more information on awards and giving opportunities that benefit you and our profession.

**[www.tsfre.org](http://www.tsfre.org)**

**Thoramet Surgical Products ..... 841**

*301 Route 17 N., Suite 800, Rutherford, NJ 07070*

The Surgeon's choice for VATS instrumentation! We offer the most extensive catalog of pure thorascopic patterns available anywhere. The feel you want, the actuation you need, the patterns you demand! Come see our unique versatility and new 2011 instruments!

**[www.thoramet.com](http://www.thoramet.com)**

**Thoratec Corporation ..... 420**

*6035 Stoneridge Drive, Pleasanton, CA 94588*

Thoratec Corporation is a world leader in therapies to address advanced-stage heart failure. The company's products include the HeartMate® LVAS and Thoratec® VAD (Ventricular Assist Device) with more than 15,000 devices implanted in patients suffering from heart failure. For more information, visit the company's web site at <http://www.thoratec.com>.

**[www.thoratec.com](http://www.thoratec.com)**

**Transonic Systems, Inc. .... 1113**

*34 Dutch Mill Rd., Ithaca, NY 14850*

What do you routinely think about when you're leaving the O.R.? If you are concerned about post-protamine graft patency you can obtain peace of mind by measuring blood flow just prior to approximation with Transonic transit-time flow measurement technology. Confidence is knowing before you go.

**[www.transonic.com](http://www.transonic.com)**





**BOOTH**

**USB Medical, Ltd. .... 111**

*2000 Pioneer Road, Huntingdon Valley, PA 19006*

USB is Reinventing Healthcare. The Monofib One-Handed Internal Defib System delivers a much safer, easier to use, disposable and most importantly reliable alternative to traditional spoons. The HV Heart Retractor co-invented with Dr. Hugo Vanermen provides the largest and clearest view during minimally invasive valve procedures.

**ValveXchange, Inc. .... 224**

*12635 East Montview Blvd., Aurora, CO 80014*

ValveXchange is developing a full line of bovine pericardial tissue heart valves incorporating a replaceable leaflet set designed to allow MIS renewal of the valve to as-new performance without open heart surgery whenever needed. Surgical, transapical and transfemoral implant models are under development with clinical trials starting this year.

***www.valvexchange.com***

**Vision-Sciences, Inc. .... 117**

*40 Ramland Road South, Orangeburg, NY 10962*

Vision-Sciences provides advanced flexible endoscopy systems, including the new BRS-5000 Flexible Bronchoscope, the first distal chip bronchoscope with the EndoSheath® Technology. EndoSheath® Bronchoscopy gives practitioners an “always ready” bronchoscope that utilizes the sterile, disposable EndoSheath® Technology; a protective barrier between the scope and patient that allows for rapid equipment turnaround, enhanced infection control, and less capital and service costs.

***www.visionsciences.com***

**Vitalitec ..... 641**

*10 Cordage Park Circle, Suite 100, Plymouth, MA 02360*

Vitalitec will be displaying our Geister® minimally invasive ValveGate® Instrumentation, the cygNet® Flexible Aortic Cross Clamps; and our full range of vascular temporary and permanent occlusion products, as well as our newly acquired Enclose II®, Anastomosis Assist Device.

***www.vitalitec.com***

BOOTH

**Wexler Surgical Supplies ..... 300**

*11333 Chimney Rock Road, #110-120, Houston, TX 77035*  
Wexler Surgical designs and manufactures a variety of titanium and stainless steel specialty surgical instruments and products for Cardiac, Vascular, Thoracic, and Micro Surgery. Come see our new VATS/MICS and Optimus instrument lines. Visit us online at [www.wexlersurgical.com](http://www.wexlersurgical.com) for information about our products and services.  
***www.wexlersurgical.com***

**Wiley Blackwell ..... 122**

*350 Main Street, Malden, MA 02148-5018*  
Wiley-Blackwell is the international scientific, technical, medical and scholarly publishing business of John Wiley & Sons, with strengths in every major academic and professional field and partnerships with many of the world's leading societies.  
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***www.wileyblackwell.com***

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## PRODUCT/SERVICE LISTING

| CATEGORY LISTING                                | COMPANY   | BOOTH |
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| <b>Airway Management Products</b>               | Cook Medical  | 835   |
| <b>Annuloplasty Devices</b>                     | Edwards Lifesciences  | 400   |
|   | Genesee Biomedical  | 320   |
|   | Medtronic, Inc.   | 601   |
|   | Peters Surgical   | 535   |
|   | Sorin Group   | 413   |
| <b>Aortic Punches</b>                           | A & E Medical Corporation   | 1106  |
|   | Fehling Surgical Instruments  | 310   |
|   | Genesee Biomedical  | 320   |
|   | GermesUSA   | 113   |
|   | Quest Medical, Inc  | 425   |
|   | Scanlan International   | 1001  |
|   | Teleflex  | 121   |
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| <b>Associations, Foundations, Societies</b>     | American Association for Thoracic Surgery                           | A1    |
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|   | Society of Thoracic Surgeons  | A3    |
|   | STS DC Office   | A4    |
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| <b>Balloon Pumping</b>         | Siemens Medical Solutions USA, Inc.               | 1050  |
| <b>Blood Monitoring</b>        | Sorin Group                                       | 413   |
| <b>Systems</b>                 | Transonic Systems, Inc                            | 1113  |
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|                                | Sorin Group                                       | 413   |
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|                                | Edwards Lifesciences                              | 400   |
|                                | Medtronic, Inc.                                   | 601   |
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| CATEGORY LISTING                       | COMPANY   | BOOTH |
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| <b>Cardiac (Adult) Surgery</b>         | Medi-Stim   | 335   |
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| <b>Cardioplegia Delivery Systems</b>   | Applied Fiberoptics/Vitalcor, Inc.                | 1040  |
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|                                | Cardiogenesis Corporation                         | 210   |
|                                | CardioNet   | 642   |
|                                | Castlewood Surgical                               | 729   |
|                                | Cormatrix Cardiovascular                          | 429   |
|                                | Delacroix – Chevalier/MED Alliance Solutions, LLC | 629   |
|                                | Edwards Lifesciences                              | 400   |
|                                | Fehling Surgical Instruments                      | 310   |
|                                | Genesee Biomedical                                | 320   |
|                                | GermesUSA   | 113   |
|                                | Heart Hugger/General Cardiac Tech.                | 206   |
|                                | HeartWare   | 211   |
|                                | ImaCor, Inc.                                      | 1044  |
|                                | Kapp Surgical Instruments, Inc.                   | 921   |
|                                | Karl Storz-Endoscopy, America, Inc.               | 743   |
|                                | LifeNet Health                                    | 204   |
|                                | LSI Solutions                                     | 534   |
|                                | Maquet  | 801   |
|                                | Medical Concepts Europe                           | 102   |
|                                | Medi-Stim   | 335   |
|                                | Medtronic, Inc.                                   | 601   |
|                                | Neomend   | 735   |
|                                | On-X Life Technologies                            | 829   |
|                                | Oscor, Inc.                                       | 733   |
|                                | Pemco Inc.  | 830   |
|                                | Peters Surgical                                   | 535   |
|                                | Pioneer Surgical Technology                       | 116   |
|                                | Quest Medical, Inc.                               | 425   |
|                                | Rultract/Pemco Inc.                               | 828   |
|                                | Rumex International, Inc.                         | 940   |
|                                | Scanlan International                             | 1001  |





| CATEGORY LISTING                                | COMPANY   | BOOTH |
|---|---|-------|
| <b>Cardiovascular Products</b>                  | Sic Brevetti                                      | 214   |
|   | Sontec Instruments Inc.                           | 1100  |
|   | St. Jude Medical                                  | 619   |
|   | Teleflex  | 121   |
|   | Thoratec Corporation                              | 420   |
|   | Transonic Systems, Inc                            | 1113  |
|   | USB Medical                                       | 111   |
|   | Vitalitec   | 641   |
|   | Wexler Surgical, Inc.                             | 300   |
|   | Abiomed   | 106   |
| <b>Catheters</b>                                | California Medical Laboratories                   | 1029  |
|   | Delacroix – Chevalier/MED Alliance Solutions, LLC | 629   |
|   | Edwards Lifesciences                              | 400   |
|   | GermesUSA   | 113   |
|   | Oscor, Inc.                                       | 733   |
|   | Quest Medical, Inc.                               | 425   |
|   | St. Jude Medical                                  | 619   |
|   | Teleflex  | 121   |
|   | Covidien  | 521   |
|   |   |       |
| <b>Cerebral/Sonatic Oximetry</b>                |   |       |
| <b>Chest Drainage Products</b>                  | Applied Fiberoptics/Vitalcor, Inc.                | 1040  |
|   | Atrium Medical Corporation                        | 424   |
|   | California Medical Laboratories                   | 1029  |
|   | Clear Catheter Systems                            | 730   |
|   | Cook Medical                                      | 835   |
|   | Genesee Biomedical                                | 320   |
|   | Medela, Inc.                                      | 221   |
|   | Teleflex  | 121   |
|   | superDimension                                    | 1129  |
|   | Ceremed, Inc.                                     | 331   |
| <b>Computer Software<br/>Congenital Surgery</b> | Cormatrix Cardiovascular                          | 429   |
|   | Delacroix – Chevalier/MED Alliance Solutions, LLC | 629   |
|   | Fehling Surgical Instruments                      | 310   |
|   |   |       |

| CATEGORY LISTING                   | COMPANY   | BOOTH     |
|------------------------------------|---|-----------|
| <b>Congenital Surgery</b>          | Genesee Biomedical  | 320       |
|                                    | LifeNet Health  | 204       |
|                                    | Peters Surgical   | 535       |
|                                    | Rultract/Pemco Inc.   | 828       |
|                                    | Rumex International, Inc.   | 940       |
|                                    | Scanlan International   | 1001      |
|                                    | Siemens Medical Solutions USA, Inc.                                 | 1050      |
|                                    | Sontec Instruments Inc.   | 1100      |
|                                    | Sorin Group   | 413       |
|                                    | Wexler Surgical, Inc.   | 300       |
| <b>Coronary Angioplasty</b>        | Oscor, Inc.   | 733       |
|                                    | Philips Healthcare  | 1128      |
|                                    | Siemens Medical Solutions USA, Inc.                                 | 1050      |
| <b>Cryo-preserved Tissue</b>       | Cryolife International  | 913, 1109 |
|                                    | LifeNet Health  | 204       |
| <b>Educational Programs</b>        | American Association for Thoracic Surgery                           | A1        |
|                                    | American College of Surgeons  | 123       |
|                                    | Atrium Medical Corporation  | 424       |
|                                    | Biomet Microfixation  | 325       |
|                                    | CTSNet  | 125       |
|                                    | Ethicon Endo-Surgery  | 435       |
|                                    | International Society for Minimally Invasive Cardiothoracic Surgery | A2        |
|                                    | Medtronic, Inc.   | 601       |
|                                    | superDimension  | 1129      |
|                                    | Society for Heart Valve Disease                                     | A7        |
| <b>Electrosurgical Devices</b>     | Ethicon Endo-Surgery  | 435       |
|                                    | Ethicon Endo-Surgery  | 435       |
| <b>Endoscopic Systems/Products</b> | Karl Storz-Endoscopy, America, Inc.                                 | 743       |
|                                    | Olympus America Inc.  | 929       |
|                                    | Scanlan International   | 1001      |
|                                    | Sontec Instruments Inc.   | 1100      |
|                                    | Terumo  | 813       |
|                                    | Vision-Sciences, Inc.   | 117       |
|                                    | Wexler Surgical, Inc.   | 300       |



| CATEGORY LISTING   | COMPANY                             | BOOTH |
|--|-------------------------------------|-------|
| <b>Headlights and Accessories</b>                                | BFW, Inc.                           | 540   |
|  | Designs For Vision, Inc.            | 314   |
|  | Integra                             | 935   |
|  | KLS Martin, LP                      | 321   |
|  | PeriOptix                           | 732   |
|  | Rose Micro Solutions                | 115   |
|  | Sontec Instruments Inc.             | 1100  |
|  | SurgiTel/General Scientific Corp.   | 934   |
| <b>Hemodynamic Monitoring<br/>Imaging Systems/<br/>Equipment</b> | Covidien                            | 521   |
|  | Deep Breeze                         | 924   |
|  | ImaCor, Inc.                        | 1044  |
|  | Karl Storz-Endoscopy, America, Inc. | 743   |
|  | Medi-Stim                           | 335   |
|  | Olympus America Inc.                | 929   |
|  | Philips Healthcare                  | 1128  |
|  | Siemens Medical Solutions USA, Inc. | 1050  |
|  | St. Jude Medical                    | 619   |
|  | Acute Innovations                   | 541   |
| <b>Implantable Devices</b>                                       | Ceremed, Inc.                       | 331   |
|  | Cook Medical                        | 835   |
|  | Doctors Research Group              | 200   |
|  | Edwards Lifesciences                | 400   |
|  | Genesee Biomedical                  | 320   |
|  | HeartWare                           | 211   |
|  | Implantable Devices                 | 832   |
|  | KLS Martin, LP                      | 321   |
|  | Med-USA Medical Inc.                | 225   |
|  | Oscor, Inc.                         | 733   |
|  | Pioneer Surgical Technology         | 116   |
|  | Scanlan International               | 1001  |
|  | Sic Brevetti                        | 214   |
|  | Sorin Group                         | 413   |
|  | St. Jude Medical                    | 619   |
|  | superDimension                      | 1129  |
|  | SynCardia Systems, Inc.             | 441   |
|  | Vitalitec                           | 641   |

| CATEGORY LISTING                          | COMPANY   | BOOTH     |
|---|---|-----------|
| <b>Infection Control Products</b>         | Carefusion  | 207       |
|   | Heart Hugger/General Cardiac Tech.                | 206       |
|   | Neomend   | 735       |
| <b>Internet Based</b>                     | CTSNet  | 125       |
|   | Heart Valve Interactive Corp                      | 731       |
| <b>Market Research</b>                    | Heart Valve Interactive Corp                      | 731       |
|   | HRA Research                                      | 222, 1104 |
| <b>Mechanical Circulatory Assistance</b>  | Abiomed   | 106       |
|   | Berlin Heart Inc.                                 | 215       |
|   | HeartWare   | 211       |
|   | Sorin Group                                       | 413       |
|   | SynCardia Systems, Inc.                           | 441       |
|   | Thoratec Corporation                              | 420       |
|   | A & E Medical Corporation                         | 1106      |
| <b>Minimally Invasive Cardiac Surgery</b> | Abbott Vascular                                   | 54        |
|   | Abiomed   | 106       |
|   | Aesculap, Inc.                                    | 112       |
|   | Applied Fiberoptics/Vitalcor, Inc.                | 1040      |
|   | AtriCure, Inc.                                    | 635       |
|   | Biomet Microfixation                              | 325       |
|   | Boss Instruments                                  | 1117      |
|   | California Medical Laboratories                   | 1029      |
|   | Cardiogenesis Corporation                         | 210       |
|   | Chase Medical Inc.                                | 326       |
|   | Covidien  | 521       |
|   | Delacroix – Chevalier/MED Alliance Solutions, LLC | 629       |
|   | Edwards Lifesciences                              | 400       |
|   | Fehling Surgical Instruments                      | 310       |
|   | Genesee Biomedical                                | 320       |
|   | Heart Valve Interactive Corp                      | 731       |
|   | Intuitive Surgical                                | 313       |
|   | Kapp Surgical Instruments, Inc.                   | 921       |
|   | Karl Storz-Endoscopy, America, Inc.               | 743       |
|   | LSI Solutions                                     | 534       |
|   | Maquet  | 801       |





| CATEGORY LISTING  | COMPANY  | BOOTH |
|---|--|-------|
| <b>Minimally Invasive<br/>Cardiac Surgery</b>                         | Medical Concepts Europe                              | 102   |
|   | Medtronic, Inc.                                      | 601   |
|   | Oscor, Inc.  | 733   |
|   | Pemco Inc.   | 830   |
|   | Philips Healthcare                                   | 1128  |
|   | Plasma Surgical                                      | 941   |
|   | Rultract/Pemco Inc.                                  | 828   |
|   | Scanlan International                                | 1001  |
|   | Siemens Medical Solutions USA, Inc.                  | 1050  |
|   | Sontec Instruments Inc.                              | 1100  |
|   | Sorin Group  | 413   |
|   | St. Jude Medical                                     | 619   |
|   | USB Medical  | 111   |
|   | Vitalitec  | 641   |
|   | Wexler Surgical, Inc.                                | 300   |
| <b>Myocardial Protection</b>  | Applied Fiberoptics/Vitalcor, Inc                    | 1040  |
|   | California Medical Laboratories                      | 1029  |
|   | Delacroix – Chevalier/MED Alliance<br>Solutions, LLC | 629   |
|   | Essential Pharmaceuticals                            | 324   |
|   | Quest Medical, Inc.                                  | 425   |
| <b>New in USA</b>   | Sic Brevetti   | 214   |
| <b>Non-Invasive Monitoring<br/>Non-Invasive Surgical<br/>Products</b> | Masimo   | 124   |
|   | Accuray Inc.   | 108   |
|   | Covidien   | 521   |
|   | Ethicon Endo-Surgery                                 | 435   |
|   | Karl Storz-Endoscopy, America, Inc.                  | 743   |
|   | LSI Solutions  | 534   |
|   | Maquet   | 801   |
|   | Masimo   | 124   |
|   | RMD Instruments Corp                                 | 825   |
|   | superDimension                                       | 1129  |
|   | Wexler Surgical, Inc.                                | 300   |
| <b>Occlusion Devices</b>  | Chase Medical Inc.                                   | 326   |
|   | Oscor, Inc.  | 733   |
|   | Teleflex   | 121   |
|   | Vitalitec  | 641   |

| CATEGORY LISTING                | COMPANY                             | BOOTH |
|---------------------------------|-------------------------------------|-------|
| <b>Operating Room Equipment</b> | Applied Fiberoptics/Vitalcor, Inc.  | 1040  |
|                                 | BFW, Inc.                           | 540   |
|                                 | Cardiogenesis Corporation           | 210   |
|                                 | ImaCor, Inc.                        | 1044  |
|                                 | Kapp Surgical Instruments, Inc.     | 921   |
|                                 | Maquet                              | 801   |
|                                 | Medi-Stim                           | 335   |
|                                 | Neomend                             | 735   |
|                                 | Nonin Medical Inc.                  | 728   |
|                                 | Philips Healthcare                  | 1128  |
|                                 | Plasma Surgical                     | 941   |
|                                 | Quest Medical, Inc.                 | 425   |
|                                 | Rultract/Pemco Inc.                 | 828   |
|                                 | Scanlan International               | 1001  |
|                                 | superDimension                      | 1129  |
| <b>Other: 3D Imaging Tools</b>  | Wexler Surgical, Inc.               | 300   |
|                                 | Philips Healthcare                  | 1128  |
|                                 | Implantable Devices                 | 832   |
|                                 | CASMED                              | 220   |
|                                 | Med-USA Medical Inc.                | 225   |
|                                 | Med-USA Medical Inc.                | 225   |
|                                 | Med-USA Medical Inc.                | 225   |
|                                 | Med-USA Medical Inc.                | 225   |
|                                 | Caris Life Sciences                 | 104   |
|                                 | superDimension                      | 1129  |
|                                 | Med-USA Medical Inc.                | 225   |
|                                 | Siemens Medical Solutions USA, Inc. | 1050  |
|                                 | Ceremed, Inc.                       | 331   |
|                                 | Baxter                              | 1013  |
|                                 | Siemens Medical Solutions USA, Inc. | 1050  |
|                                 | Cardiovascular Research Foundation  | 1115  |





| CATEGORY LISTING                                   | COMPANY   | BOOTH     |
|--|---|-----------|
| <b>Other: Lifescience Company</b>                  | Precision Therapeutics                          | 105       |
| <b>Other: Loupes, LED Lights, Optical Aids</b>     | PeriOptix                                       | 104       |
| <b>Other: Museum of Medical Research</b>           | National Institute of Health, Office of History | 1103      |
| <b>Other: Optical Loupes and LED Lights</b>        | Rose Micro Solutions                            | 115       |
| <b>Other: Patient Monitoring Systems</b>           | Nonin Medical Inc.                              | 728       |
| <b>Other: Plasma Surgery</b>                       | Plasma Surgical                                 | 941       |
| <b>Other: PPO Evaluation Tool</b>                  | Deep Breeze                                     | 924       |
| <b>Other: Retractor</b>                            | Rultract/Pemco Inc.                             | 828       |
| <b>Other: Robotic Surgery</b>                      | Intuitive Surgical                              | 313       |
| <b>Other: Surgical Hemostats</b>                   | Orthovita, Inc.                                 | 107       |
| <b>Other: Surgical Sealants</b>                    | Cryolife International                          | 913, 1109 |
| <b>Other: Thoracic MIS</b>                         | Sontec Instruments Inc.                         | 1100      |
| <b>Other: Ultrasound (Echo, TEE, ICE)</b>          | Siemens Medical Solutions USA, Inc.             | 1050      |
| <b>Other: VATS Instruments<br/>Pain Management</b> | Thoramet Surgical Products                      | 841       |
|  | Acute Innovations                               | 541       |
|  | Cadence Pharmaceuticals                         | 114       |
|  | Heart Hugger/General Cardiac Tech.              | 206       |
|  | I-Flow  | 1034      |
|  | Qualiteam s.r.l                                 | 640       |
|  | Applied Fiberoptics/Vitalcor, Inc               | 1040      |
|  | California Medical Laboratories                 | 1029      |
|  | Chase Medical Inc.                              | 326       |
|  | Covidien  | 521       |
|  | Edwards Lifesciences                            | 400       |
|  | Essential Pharmaceuticals                       | 324       |
|  | Maquet  | 801       |
|  | Medtronic, Inc.                                 | 601       |
|  | Nonin Medical Inc.                              | 728       |
| <b>Perfusion</b>                                   |   |           |

| CATEGORY LISTING                      | COMPANY                            | BOOTH |
|---------------------------------------|------------------------------------|-------|
| <b>Perfusion</b>                      | Pemco Inc.                         | 830   |
|                                       | Quest Medical, Inc.                | 425   |
|                                       | Terumo                             | 813   |
|                                       | Transonic Systems, Inc.            | 1113  |
| <b>Pharmaceuticals</b>                | Cadence Pharmaceuticals            | 114   |
| <b>Plasma Products</b>                | Plasma Surgical                    | 941   |
| <b>Processed EEF Brain Monitoring</b> | Covidien                           | 521   |
| <b>Publishers</b>                     | CTSNet                             | 125   |
|                                       | EACTS                              | A6    |
|                                       | Elsevier, Inc.                     | 201   |
|                                       | Lippincott Williams & Wilkins      | 306   |
|                                       | Wiley Blackwell                    | 122   |
| <b>Recruitment</b>                    | CTSNet                             | 125   |
| <b>Stents</b>                         | Abbott Vascular                    | 54    |
|                                       | Medtronic, Inc.                    | 601   |
| <b>Sternal Closure Systems</b>        | A & E Medical Corporation          | 1106  |
|                                       | Acute Innovations                  | 541   |
|                                       | Biomet Microfixation               | 325   |
|                                       | Kardium                            | 110   |
|                                       | KLS Martin, LP                     | 321   |
|                                       | Med-USA Medical Inc.               | 225   |
|                                       | Pioneer Surgical Technology        | 116   |
|                                       | Sic Brevetti                       | 214   |
|                                       | Synthes                            | 531   |
| <b>Sternal Support Systems</b>        | Acute Innovations                  | 541   |
|                                       | Heart Hugger/General Cardiac Tech. | 206   |
|                                       | Plasma Surgical                    | 941   |
|                                       | Qualiteam s.r.l                    | 640   |
|                                       | Sic Brevetti                       | 214   |
| <b>Surgical Instruments</b>           | Aesculap, Inc.                     | 112   |
|                                       | Applied Fiberoptics/Vitalcor, Inc. | 1040  |
|                                       | AtriCure, Inc.                     | 635   |
|                                       | Biomet Microfixation               | 325   |
|                                       | Boss Instruments                   | 1117  |
|                                       | Chase Medical Inc.                 | 326   |





| CATEGORY LISTING            | COMPANY   | BOOTH |
|-----------------------------|---|-------|
| <b>Surgical Instruments</b> | Covidien  | 521   |
|                             | Delacroix – Chevalier/MED Alliance Solutions, LLC | 629   |
|                             | Designs For Vision, Inc.                          | 314   |
|                             | Edwards Lifesciences                              | 400   |
|                             | Ethicon Endo-Surgery                              | 435   |
|                             | Fehling Surgical Instruments                      | 310   |
|                             | Genesee Biomedical                                | 320   |
|                             | GermedUSA   | 113   |
|                             | Integra   | 935   |
|                             | Kapp Surgical Instruments, Inc.                   | 921   |
|                             | Karl Storz-Endoscopy, America, Inc.               | 743   |
|                             | KLS Martin, LP                                    | 321   |
|                             | LSI Solutions                                     | 534   |
|                             | Maquet  | 801   |
|                             | Medi-Stim   | 335   |
|                             | Olympus America Inc.                              | 929   |
|                             | Pemco Inc.  | 830   |
|                             | Plasma Surgical                                   | 941   |
|                             | RMD Instruments Corp                              | 825   |
|                             | Rose Micro Solutions                              | 115   |
|                             | Rultract/Pemco Inc.                               | 828   |
|                             | Rumex International, Inc.                         | 940   |
|                             | Scanlan International                             | 1001  |
|                             | Sic Brevetti                                      | 214   |
|                             | Sontec Instruments Inc.                           | 1100  |
|                             | Teleflex  | 121   |
|                             | Thoramet Surgical Products                        | 841   |
|                             | USB Medical                                       | 111   |
|                             | Vitalitec   | 641   |
|                             | Wexler Surgical, Inc.                             | 300   |
| <b>Sutures and Needles</b>  | A & E Medical Corporation                         | 1106  |
|                             | Aesculap, Inc.                                    | 112   |
|                             | Covidien  | 521   |
|                             | Delacroix – Chevalier/MED Alliance Solutions, LLC | 629   |

| CATEGORY LISTING                      | COMPANY   | BOOTH |
|---------------------------------------|---|-------|
| <b>Sutures and Needles</b>            | GermedUSA   | 113   |
|                                       | LSI Solutions                                     | 534   |
|                                       | Peters Surgical                                   | 535   |
|                                       | Pioneer Surgical Technology                       | 116   |
|                                       | Teleflex  | 121   |
| <b>Thoracic (General)<br/>Surgery</b> | Acute Innovations                                 | 541   |
|                                       | American College of Surgeons                      | 123   |
|                                       | Applied Fiberoptics/Vitalcor, Inc.                | 1040  |
|                                       | Atrium Medical Corporation                        | 424   |
|                                       | Biomet Microfixation                              | 325   |
|                                       | Boss Instruments                                  | 1117  |
|                                       | Cardiogenesis Corporation                         | 210   |
|                                       | CardioNet   | 642   |
|                                       | Castlewood Surgical                               | 729   |
|                                       | Ceremed, Inc.                                     | 331   |
|                                       | Cook Medical                                      | 835   |
|                                       | Covidien  | 521   |
|                                       | Deep Breeze                                       | 924   |
|                                       | Delacroix – Chevalier/MED Alliance Solutions, LLC | 629   |
|                                       | Designs For Vision, Inc.                          | 314   |
|                                       | Ethicon Endo-Surgery                              | 435   |
|                                       | Fehling Surgical Instruments                      | 310   |
|                                       | GermedUSA   | 113   |
|                                       | Heart Hugger/General Cardiac Tech.                | 206   |
|                                       | ImaCor, Inc.                                      | 1044  |
|                                       | Integra   | 935   |
|                                       | Intuitive Surgical                                | 313   |
|                                       | Kapp Surgical Instruments, Inc.                   | 921   |
|                                       | Karl Storz-Endoscopy, America, Inc.               | 743   |
|                                       | LifeNet Health                                    | 204   |
|                                       | LSI Solutions                                     | 534   |
|                                       | Maquet  | 801   |
|                                       | Medela, Inc.                                      | 221   |
|                                       | Medical Concepts Europe                           | 102   |
|                                       | Med-USA Medical Inc.                              | 225   |





| CATEGORY LISTING   | COMPANY                             | BOOTH |
|--|-------------------------------------|-------|
| <b>Thoracic (General)<br/>Surgery</b>                                | Neomend                             | 735   |
|  | Olympus America Inc.                | 929   |
|  | Oscor, Inc.                         | 733   |
|  | Philips Healthcare                  | 1128  |
|  | Pioneer Surgical Technology         | 116   |
|  | Plasma Surgical                     | 941   |
|  | RMD Instruments Corp                | 825   |
|  | Rose Micro Solutions                | 115   |
|  | Rultract/Pemco Inc.                 | 828   |
|  | Rumex International, Inc.           | 940   |
|  | Scanlan International               | 1001  |
|  | Sic Brevetti                        | 214   |
|  | Siemens Medical Solutions USA, Inc. | 1050  |
|  | Sontec Instruments Inc.             | 1100  |
|  | St. Jude Medical                    | 619   |
|  | Teleflex                            | 121   |
|  | Vitalitec                           | 641   |
|  | Wexler Surgical, Inc.               | 300   |
| <b>Transmyocardial<br/>Revascularization<br/>Products<br/>Valves</b> | Cardiogenesis Corporation           | 210   |
|  | Edwards Lifesciences                | 400   |
|  | Heart Valve Interactive Corp        | 731   |
|  | LifeNet Health                      | 204   |
|  | Medtronic, Inc.                     | 601   |
|  | Philips Healthcare                  | 1128  |
|  | Quest Medical, Inc.                 | 425   |
|  | Sorin Group                         | 413   |
|  | St. Jude Medical                    | 619   |
|  | ValveXchange, Inc.                  | 117   |
| <b>Vascular Grafts</b>   | Atrium Medical Corporation          | 424   |
|  | Castlewood Surgical                 | 729   |
|  | LifeNet Health                      | 204   |
|  | Maquet                              | 801   |
|  | Terumo                              | 813   |

| CATEGORY LISTING       | COMPANY                             | BOOTH |
|------------------------|-------------------------------------|-------|
| <b>Video Equipment</b> | BFW, Inc.                           | 540   |
|                        | Karl Storz-Endoscopy, America, Inc. | 743   |
|                        | Olympus America Inc.                | 929   |
|                        | Rose Micro Solutions                | 115   |
|                        | SurgiTel/General Scientific Corp.   | 934   |
| <b>Wound Support</b>   | Applied Fiberoptics/Vitalcor, Inc.  | 1040  |
|                        | Ceremed, Inc.                       | 331   |
|                        | Heart Hugger/General Cardiac Tech.  | 206   |
|                        | Medela, Inc.                        | 221   |
|                        | Neomend                             | 735   |
|                        | Pioneer Surgical Technology         | 116   |
|                        | GE Healthcare                       | 1020  |





## INDUSTRY SUPPORTED SYMPOSIA\*

**SATURDAY, MAY 7, 2011**

***Reconstructive Heart Valve Surgery Forum***

7:00 a.m. – 11:30 a.m.

Commonwealth A1 A2

Loews Philadelphia Hotel

*Supported by Edwards Lifesciences*

***The Rationale for Blood Conservation: Decreasing Morbidity, Mortality, and Cost***

6:00 p.m. – 8:00 p.m.

Liberty A

Philadelphia Downtown Marriott

*Supported by CMEology*

**SUNDAY, MAY 8, 2011**

***Starting Up a TAVR Program and Heart Valve Team in Your Center: The Nuts and Bolts of What You Probably Do Not Want to Learn (Eastern United States)***

6:45 a.m. – 7:15 a.m.

Washington AB

Loews Philadelphia Hotel

*Supported by Edwards Lifesciences*

***A Review of Anatomy, Techniques & Tools in VATS Lobectomy***

7:00 p.m. – 9:00 p.m.

Salon F

Philadelphia Downtown Marriott

*Supported by Covidien*

***Great Debates: 5 Controversies in Thoracic Aortic Surgery***

7:00 p.m. – 9:00 p.m.

Salon E

Philadelphia Downtown Marriott

*Supported by Terumo and Vascutek*

*\*Industry supported satellite programs are not part of the AATS Scientific Program.*



**MONDAY, MAY 9, 2011**

***Building a Valve Clinic***

6:15 a.m. – 7:30 a.m.

Washington AB

Loews Philadelphia Hotel

*Supported by Edwards Lifesciences*

***New Anti-Coagulation for Mechanical Heart Valves***

12:15 p.m. – 1:20 p.m.

Exhibit Hall A

Pennsylvania Convention Center

*Supported by On-X Life Technologies, Inc.*

***Redefining Healthcare***

6:00 p.m. – 10:00 p.m.

Salon CDE

Philadelphia Downtown Marriott

*Supported by Edwards Lifesciences*

**TUESDAY, MAY 10, 2011**

***Starting Up a TAVR Program and Heart Valve Team in Your Center:  
The Nuts and Bolts of What You Probably Do Not Want to Learn  
(Western United States)***

5:30 a.m. – 7:00 a.m.

Washington AB

Loews Philadelphia Hotel

*Supported by Edwards Lifesciences*

***A New Paradigm for Quality Assessment in On- and Off Pump Cardiac Surgery***

12:30 p.m. – 1:35 p.m.

Exhibit Hall A

Pennsylvania Convention Center

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## AATS CME MEETINGS AND EDUCATIONAL ACTIVITIES

### 2011 MEETINGS AND PROGRAMS

#### **AATS/ASCVTS Postgraduate Course\***

May 26, 2011  
Hilton Phuket Arcadia Resort & Spa  
Phuket, Thailand

#### **International Society for Rotary Blood Pumps Annual Meeting**

September 8–10, 2011  
Marriott Downtown  
Louisville, KY, USA

#### **Cardiovascular-Thoracic (CVT) Critical Care 2011\*\*\***

September 22–24, 2011  
Omni Shoreham Hotel  
Washington, DC, USA

#### **Masters of Minimally Invasive Thoracic Surgery\***

September 22–24, 2011  
Waldorf Astoria Orlando  
Orlando, FL, USA

#### **3<sup>rd</sup> International Biennial Minimally Invasive Thoracic Surgery Summit**

October 7–8, 2011  
Joseph B. Martin Conference Center, Harvard Medical School  
Boston, MA, USA

#### **2011 Heart Valve Summit: Medical, Surgical and Interventional Decision Making**

October 13–15, 2011  
JW Marriott Chicago  
Chicago, IL, USA

#### **7<sup>th</sup> Triennial Brigham Cardiac Valve Symposium\***

October 20–21, 2011  
Fairmont Copley Plaza Hotel  
Boston, MA, USA

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**Surgical Innovation Summit: Cutting-Edge Therapies for Cardiovascular and Valve Disease\***

November 7–9, 2011

Moscone Convention Center

San Francisco, CA, USA

**2012 MEETINGS AND PROGRAMS**

**Aortic Symposium 2012**

April 26–27, 2012

Sheraton New York Hotel & Towers

New York, NY, USA

**AATS 92<sup>nd</sup> Annual Meeting**

April 28–May 2, 2012

Moscone West Convention Center

San Francisco, CA, USA

**FUTURE AATS ANNUAL MEETINGS**

**AATS 93<sup>rd</sup> Annual Meeting**

May 4–8, 2013

Minneapolis Convention Center

Minneapolis, MN, USA

**AATS 94<sup>th</sup> Annual Meeting**

April 26–30, 2014

Metro Toronto Convention Centre

Toronto, ON, Canada

**AATS 95<sup>th</sup> Annual Meeting**

April 25–29, 2015

Washington State Convention and Trade Center

Seattle, WA, USA

**AATS 96<sup>th</sup> Annual Meeting**

May 14–18, 2016

Baltimore Convention Center

Baltimore, MD, USA

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American Association  
for Thoracic Surgery



AMERICAN  
COLLEGE of  
CARDIOLOGY  
FOUNDATION

# 2011 Heart Valve Summit

Medical, Surgical and  
Interventional Decision Making

**October 13 – 15, 2011**

**JW Marriott Chicago**

## **Program Directors**

**David H. Adams, M.D., F.A.C.C.**

**Steven F. Bolling, M.D., F.A.C.C.**

**Robert O. Bonow, M.D., M.A.C.C.**

**Howard C. Herrmann, M.D., F.A.C.C., F.S.C.A.I.**

## **Honored Lecturers**

**Martin B. Leon, M.D., F.A.C.C.**

**Michael J. Mack, M.D., F.A.C.C.**

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## **Accreditation**

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The American Association for Thoracic Surgery is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

This live activity is approved for AMA PRA Category 1 Credits™

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## 2012

**APRIL 26–27, 2012**  
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2012

# AATS

92<sup>ND</sup> ANNUAL MEETING

MOSCONE WEST CONVENTION CENTER

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