Saturday, January 26

7:00 AM – 5:00 PM
Registration

7:00 AM – 6:30 PM
Tech-Con Exhibits

7:00 AM – 8:00 AM
BREAKFAST—Visit Tech-Con Exhibits

8:00 AM – 9:30 AM
Tech-Con Adult Cardiac Track I: New Technologies in Ischemic, Heart Failure, and Atrial Fibrillation Surgery
Moderators: Husam H. Balkhy, Chicago, IL, Mark S. Slaughter, Louisville, KY, and John M. Stulak, Rochester, MN

Atrial Fibrillation
8:00 AM  Minimally Invasive Left Atrial Appendage Closure Through the Transverse Sinus: Why and How I Do It
Niv Ad, Morgantown, WV

8:08 AM  Sophisticated Mapping in the OR During Surgical Ablation: How to Do It With or Without Your Electrophysiologist
Gianluigi Bisleri, Kingston, Canada

8:16 AM  Panel Discussion

Heart Failure
8:22 AM  High-Risk Cardiac Surgery Using Temporary Circulatory Support: How I Do It
Edward G. Soltesz, Cleveland, OH

8:30 AM  Smartphone App to Facilitate Donor Organ Harvesting
Robert W. Emery, Minneapolis, MN

8:38 AM  Treating Heart Failure With MitraClips: Is It Ready for Prime Time?
Isaac George, New York, NY

8:46 AM  Panel Discussion

Ischemia
8:56 AM  Noninvasive Imaging for Coronary Bypass: What’s New in Anatomic and Functional Evaluation of Coronary Artery Disease
Matthew Budoff, Torrance, CA

9:04 AM  Advanced Hybrid Coronary Revascularization: Are Two Internal Mammary Artery Grafts Better Than One?
Husam H. Balkhy, Chicago, IL

9:12 AM  Arterial Grafts: Lessons Learned From Arterial and Radial Conduits
David Glineur, Ottawa, Canada

9:20 AM  Panel Discussion
8:00 AM – 9:30 AM
Tech-Con General Thoracic Track I: New Technologies in Lung and Chest Wall Surgery
**Moderators:** Lisa M. Brown, Sacramento, CA, and Linda W. Martin, Charlottesville, VA

8:00 AM  A Novel Wireless Surgical Marker for Small Lung Lesions
Yojiro Yutaka, Kyoto, Japan

8:12 AM  First Use of the ArtiSential Suite of Articulated Instruments in Video-Assisted Thoracoscopic Surgery
Marco Nardini, Middlesbrough, United Kingdom

8:24 AM  Update on Robotic Bronchoplasty Techniques
Lana Y. Schumacher, Pittsburgh, PA

8:36 AM  Novel Applications of Titanium Mesh in Thoracic Surgery
Anthony D. Cassano, Richmond, VA

8:48 AM  State-of-the-Art in Chest Wall and Diaphragm Reconstruction: Current Materials and Techniques
Reza J. Mehran, Houston, TX

9:00 AM  A Novel Approach to Patient Engagement
Alden M. Parsons, Raleigh, NC

9:12 AM  Targeted Lung Denervation to Treat Chronic Obstructive Pulmonary Disease
Malcolm M. DeCamp, Madison, WI

9:30 AM – 10:15 AM
BREAK—Visit Tech-Con Exhibits

10:15 AM – 12:00 PM
Tech-Con Adult Cardiac Track II: New Technologies in Aortic and Structural Heart Disease
**Moderators:** Gilbert H. Tang, New York, NY, and Tsuyoshi Kaneko, Boston, MA

10:15 AM  Aortic Valve Repair Technology and Devices: Where Are We Going?
Y. Joseph Woo, Stanford, CA

10:23 AM  PHASTER: Proximal Hybrid Aortic Stent Graft for Extended Repair
Eric E. Roselli, Cleveland, OH

10:31 AM  Branched Endografts for the Aortic Arch
Ourania A. Preventza, Houston, TX

10:39 AM  Panel Discussion

10:49 AM  Minimally Invasive Transcatheter Aortic Valve Replacement in Mitral Annular Calcification: Pearls and Pitfalls
Tom C. Nguyen, Houston, TX

10:57 AM  Transapical Mitral Replacement With Anterior Leaflet Splitting: A Novel Technique to Avoid Left Ventricular Outflow Tract Obstruction
Richard Lee, Augusta, GA

11:05 AM  Update on New Transcatheter Mitral Replacement Devices
Michael J. Reardon, Houston, TX

11:13 AM  Panel Discussion

11:23 AM  A New Sutureless Device to Repair Mitral Chords
Thierry P. Carrel, Bern, Switzerland
11:31 AM  
First-in-Man Implantation of a Novel Balloon-Adjustable Mitral Ring  
**Alfred A. Kocher, Vienna, Austria**

11:39 AM  
Tricuspid Extracellular Matrix Cylinder Valves in Endocarditis: Earliest Steps to In-Human Valve Generation  
**Marc W. Gerdisch, Indianapolis, IN**

11:47 AM  
Panel Discussion

**10:15 AM – 12:00 PM**

**Tech-Con General Thoracic Track II: New Technologies in Esophageal Surgery**  
*Moderators: Andrew C. Chang, Ann Arbor, MI, and Siva Raja, Cleveland, OH*

10:15 AM  
Tissue-Engineered Esophagus  
**Dennis A. Wigle, Rochester, MN**

10:27 AM  
POP and STER: Endoscopic Pyloromyotomy and Submucosal Tumor Resection  
**Brian E. Louie, Seattle, WA**

10:39 AM  
FLIP for LINX: Endoflip for Anti-Reflux Surgery  
**Min P. Kim, Houston, TX**

10:51 AM  
Panel Discussion

11:06 AM  
Atrial Septal Defect Closure Device for Tracheoesophageal Fistula Repair  
**Daniel P. Raymond, Cleveland, OH**

11:18 AM  
Subxiphoid Approach to Mediastinal Tumor Resection  
**Takashi Suda, Aichi, Japan**

11:30 AM  
EndoVAC for Esophageal Leak  
**Wayne L. Hofstetter, Houston, TX**

11:42 AM  
Panel Discussion

**12:00 PM – 1:00 PM**

**LUNCH—Visit Tech-Con Exhibits**

**1:00 PM – 2:30 PM**

**Tech-Con Joint Session: The Future of Cardiothoracic Surgery Is Here**  
*Moderators: Melanie A. Edwards, St Louis, MO, and Tom C. Nguyen, Houston, TX*

1:00 PM  
**Keynote Address:** Artificial Intelligence—Hope, Hype, or Horror for Med Tech?  
**Thomas M. Krummel, Stanford, CA**

1:30 PM  
2018 Year in Review: Summary of New Technologies and Major Research  
**Adult Cardiac:** Vinod H. Thourani, Washington, DC  
**General Thoracic:** Todd L. Demmy, Buffalo, NY  
**Congenital:** Carlos M. Mery, Austin, TX

1:51 PM  
A Call for Change: Maintaining the Future of Our Field  
**Tom C. Nguyen, Houston, TX**

1:56 PM  
The Kinder, Gentler 4th Era of Heart Surgery  
**Jude S. Sauer, Pittsford, NY**
2:04 PM  Planning for Future Reoperation: Choosing the Valve for the Present  
Keith B. Allen, Kansas City, MO

2:12 PM  Radiomics and Lung Cancer Detection/Modeling: Is This the Holy Grail?  
Shanda H. Blackmon, Rochester, MN

2:20 PM  Panel Discussion

2:30 PM – 3:00 PM  
BREAK—Visit Tech-Con Exhibits

**Debates**  
*Moderators:* Bradley G. Leshnower, Atlanta, GA, and Virginia R. Little, Boston, MA

3:00 PM  DEBATE: Coronary Revascularization Should Only Be Performed by Dedicated Coronary Artery Bypass Grafting Surgeons  
**PRO:** John D. Puskas, New York, NY  
**CON:** Gorav Ailawadi, Charlottesville, VA

3:30 PM  DEBATE: Peroral Endoscopic Myotomy Should Replace Laparoscopic Heller Myotomy  
**PRO:** Siva Raja, Cleveland, OH  
**CON:** Christopher W. Seder, Chicago, IL

**“Shark Tank”**  
*Moderators:* Daniela Molena, New York, NY, and Grayson H. Wheatley, Nashville, TN

4:00 PM  Past “Shark Tank” Presenters: Where Are They Now? What Have We Learned?  
Juan P. Umana, Bogota, Colombia

4:10 PM  Rapid and Leakproof Aortic Anastomosis Stapler  
Syed T. Raza, New York, NY

4:20 PM  Toroidal Valveless Pulsatile-Flow Ventricular Assist Device  
Jeffrey R. Gohean, Austin, TX

4:30 PM  Neurostimulation for Pain Management After Cardiac Surgery  
Usman Ahmad, Cleveland, OH

4:40 PM  Tracheomend  
Faiz Bhora, New York, NY

4:50 PM  Discussion

5:00 PM – 6:30 PM  
RECEPTION—Visit Tech-Con Exhibits