<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>7:00 AM</td>
<td>Registration &amp; Continental Breakfast</td>
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<tr>
<td>7:30 AM</td>
<td>Welcome &amp; Introductory Remarks</td>
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<tr>
<td>7:45 AM</td>
<td>The New SAVR is TAVR Changing the Landscape of Treatment Across all Risks for Patients with Severe Aortic Stenosis Onwards?</td>
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<tr>
<td>8:00 AM</td>
<td>Optimizing Echocardiography and Doppler Assessment of Aortic Stenosis: Tips and Tricks</td>
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<td>8:15 AM</td>
<td>Low-Gradient, Low Flow Aortic Stenosis: Role of Dobutamine Stress Test</td>
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<td>8:30 AM</td>
<td>Pre-procedural Planning for TAVR: The Importance of 3D Echo and CT</td>
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<td>8:45 AM</td>
<td>Prosthetic Aortic Valve Dysfunction: Echo-Doppler Assessment</td>
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<tr>
<td>9:00 AM</td>
<td>Aortic Valve Repair and Valve Sparing Root Replacement</td>
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<td>9:15 AM</td>
<td>Transcatheter Electrosurgery for Patients Ineligible for Conventional Therapy</td>
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<tr>
<td>9:30 AM</td>
<td>Echo Criteria for Severe Aortic Stenosis and Regurgitation the Essentials</td>
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<tr>
<td>9:45 AM</td>
<td>Group Discussion I</td>
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</table>
**Moderators:** Steven A. Goldstein, MD; Lowell F. Satler, MD

**Panelists:** Patrick T. Bering, MD; Toby Rogers, MD; Vinod H. Thourani, MD; Gaby A. Weissman, MD; Jared M. Widell, Ian Chang, MD

10:00 AM    Break Visit Exhibits

**The Mitral Valve – Part I**

**Moderators:** Vinod H. Thourani, MD

10:30 AM    Transcatheter Mitral Valve Repair: Current and Future Directions: From MitraClip and Onwards
Lowell F. Satler, MD, FSCAI

10:45 AM    Transcatheter Mitral Valve Replacement: Current and Future Directions
Vinod H. Thourani, MD

11:00 AM    Mitral Regurgitation: Mechanism and Quantification
Steven A. Goldstein, MD

11:20 AM    How to Assess and Grade Mitral Regurgitation After Mitral Clip Repair
Speaker - TBD

11:35 AM    Intraoperative Echo Guided Surgical Mitral Valve Repair: From Simple to Complex
Ammar S. Bafi, MD

11:50 AM    Surgery for Ischemic Mitral Regurgitation: Repair or Replacement?
Allen J. Taylor, MD

12:05 PM    Minimally Invasive Mitral Valve Repair with Neo-Chordae
Christian C. Shults, MD

12:20 PM    Group Discussion II
**Moderators:** Vinod H. Thourani, MD;
**Panelists:** Ammar S. Bafi, MD; Steven A. Goldstein, MD; Lowell F. Satler, MD, FSCAI; Christian C. Shults, MD; Allen J. Taylor, MD

12:35 PM    Lunch and Visit the Exhibits
The Mitral Valve – Part II  

**Moderators**: Lowell F. Satler, MD, FSCAI

1:30 PM  
**The Importance of 3D Imaging in the Planning of and Guidance for Transcatheter Mitral Repair and Replacement Procedures: From Simple to Complex**
Preetham N. Kumar, MD; Vinod H. Thourani, MD

1:45 PM  
**CT Planning for TMVR, Valve-in-Valve, Valve-in-Ring and Valve-in-MAC**
Andrew W. Ertel, MD

2:00 PM  
**What Have We Learned from the Echo Sub Study of the COAPT Trial and How it Will Affect Eligibility of Patients for FMR?**
Speaker - TBD

The Tricuspid Valve, Left Atrial Appendage, and Atrial Septal Abnormalities  
**Moderators**: Manish H. Shah, MD; Christian C. Shults, MD

2:15 PM  
**Echo-Guided Transcatheter Repair for the “Forgotten” Tricuspid Valve**
Steve Goldstein, MD

2:30 PM  
**Echo Assessment of the Left Atrial Appendage: Pre, During and Post Closure**
Andrew Chen, MD

2:40 PM  
**Stroke Prevention for Patient with Atrial Fibrillation: Anticoagulation Versus Percutaneous or Surgical Left Atrial Appendage Closure**
Manish H. Shah, MD; Christian C. Shults, MD

3:15 PM  
**What are the Echo Essentials for ASD and PFO Closures?**
Mike Slack, MD, FSCAI

3:30 PM  
**Group Discussion III**  
**Moderators**: Manish H. Shah, MD; Christian C. Shults, MD;  
**Panelists**: Lowell F. Satler, MD, FSCAI; Steven Goldstein, MD; Andrew Chen MD; Mike Slack, MD

3:45 PM  
**Adjourn**