

# SCA ECHO 2024



**February 15 - 18**

Atlanta, Georgia ▪ Loews Atlanta Hotel

# Welcome



**Alina Nicoara**  
MD, FASE



**Charles B. Nyman**  
MBBCh

Dear friends,

We are delighted to welcome you to the premier perioperative echocardiography conference hosted by the Society of Cardiovascular Anesthesiologists.

In collaboration with the Society of Cardiovascular Anesthesiologists Echo Planning Committee and our esteemed faculty, who are eagerly sharing their wisdom, we've curated an array of multidisciplinary panels. These panels will explore the pivotal role of echocardiography in surgical decision-making, alongside deep-dive sessions that enhance skills in advanced image acquisition and post-processing. We've also arranged heart dissection workshops to enrich your understanding of echo-anatomic correlations, particularly in transcatheter and surgical interventions.

Most of these sessions will be recorded, allowing you to revisit the material post-conference at your convenience. Additionally, for those who prefer remote participation, we will be broadcasting the events live in a virtual format.

As part of your registration, you gain exclusive access to our on-demand Echo Core Series. This series comprises lectures that delve into the essential echocardiographic principles, covering topics from physics to complex procedural overviews, including valvular disease and mechanical circulatory support.

This conference is more than just an educational experience; it's an opportunity to join fellow enthusiasts in the field of echocardiography. Whether you're forging new professional relationships or rekindling old ones, we look forward to the camaraderie and collaboration that await us all.

Enjoy the conference!

*Alina Nicoara and Charles Nyman*

# Whova

## SCA ECHO OFFICIAL EVENT APP

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**Questions?**

Please contact Patrick Kelly at [patrick@veritasamc.com](mailto:patrick@veritasamc.com).





# 2024 FACULTY

**Kiran Belani, MD, FASE, FACC**  
*Northwestern Memorial Hospital*

**Bruce Bollen, MD**  
*Missoula Anesthesiology and the International Heart Institute of Montana*

**Nelson H. Burbano Vera, MD**  
*Cleveland Clinic Foundation*

**Abimbola Faloye, MD, FASE, FASA**  
*Emory University*

**T. Robert Feng, MD**  
*Stanford University School of Medicine*

**Kimberly Howard-Quijano, MD, MS, FASE**  
*University of Pittsburgh Medical Center*

**James Lee, MD**  
*University of Utah*

**Laebe Lester, MD**  
*Johns Hopkins Medicine*

**Emily J. Mackay, DO, MS**  
*University of Pennsylvania*

**Feroze Mahmood, MD**  
*Beth Israel Deaconess Medical Center / Harvard Medical School*

**Sharon McCartney, MD, FASE**  
*Duke University Medical Center*

**Massimiliano Meineri, MD**  
*Herzzentrum Leipzig*

**Samhati Mondal, MD**  
*University of Maryland School of Medicine*

**Ingrid Moreno-Duarte, MD**  
*UT Southwestern/Childrens Dallas Medical Center*

**Candice Morrissey, MD, MSPH, FASE**  
*University of Utah Department of Anesthesiology, Pain, and Perioperative Medicine*

**Alina Nicoara, MD**  
*Duke University Hospital*

**Charles B. Nyman, MBBCh**  
*Brigham and Women's Hospital*

**Roosha Parikh, MD**  
*St. Francis Hospital & Heart Center*

**Angela Pollak, MD, FASE**  
*Duke University Medical Center*

**Ellen Richter, MD, FASE**  
*Emory University Hospital*

**Ashraf Sabe, MD**  
*Brigham and Women's Hospital*

**Muhammed Saric, MD, PhD**  
*New York University Langone Health*

**Aidan Sharkey, MD**  
*Beth Israel Deaconess Medical Center*

**Stanton K. Shernan, MD, FAHA, FASE**  
*Brigham and Women's Hospital*

**Richard Sheu, MD, FASE**  
*University of Washington*

**Douglas C. Shook, MD, FASE**  
*Brigham and Women's Hospital*

**Bradley S. Taylor, MD, MPH**  
*University of Maryland Medical Center*

**Mark A. Taylor, MD, FASE**  
*Enterprise Surgical Operations, Cleveland Clinic*

**Annette Vegas, MD, FRCPC, FASE**  
*Toronto General Hospital*

**Priscilla Wessly, MD**  
*Aurora St. Luke's Medical Center*

**Brittney Williams, MD**  
*University of Maryland, Baltimore*



# 2024 PROGRAM PLANNING COMMITTEE

## *Program Directors*

**Alina Nicoara, MD, FASE**  
**Charles B. Nyman, MBBCh**

## *Ex-Officio*

**Mark Taylor, MD, FASE**  
**Feroze Mahmood, MD, FASE**

## *Parent-Committee Chair*

**Amanda A. Fox, MD**

## *Members*

**Kiran Belani, MD, FASE**  
**Nelson Burbano-Vera, MD**  
**Jared W. Feinman, MD**  
**T. Robert Feng, MD**  
**Samhati Mondal, MD**  
**Ingrid Moreno-Duarte, MD**  
**Candice Morrissey, MD, MSPH, FASE**  
**Angela Pollak, MD**  
**Ellen Richter, MD**  
**Aidan Sharkey, MD**  
**Richard Sheu, MD, FASE**

## LEARNING FROM THE EXPERTS SESSIONS

### **ECHO ANATOMY FOR SURGICAL DECISION MAKING**

Learn from the experts with live pig heart dissection and echocardiographic correlates. The dissection will have a specific focus on anatomical relationships, improved accuracy of TEE imaging and the impact for surgical decision making.

### **3D IMAGE ACQUISITION AND OPTIMIZATION**

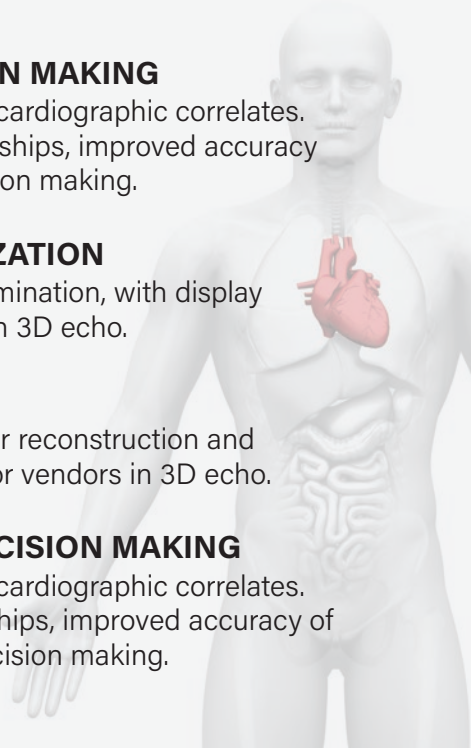
Learn from the expert faculty the sequence of their 3D examination, with display of on-platform knobology of the major vendors in 3D echo.

### **3D POST PROCESSING**

Learn from the expert faculty their approach to multiplanar reconstruction and modeling, with display of on-platform knobology of the major vendors in 3D echo.

### **ECHO ANATOMY FOR STRUCTURAL HEART DECISION MAKING**

Learn from the experts with live pig heart dissection and echocardiographic correlates. The dissection will have a specific focus on anatomical relationships, improved accuracy of TEE imaging and the impact for structural heart decision making.



# AGENDA | THURSDAY, FEBRUARY 15, 2024

GENERAL SESSION IN MERCER BALLROOM. All Times in Eastern Standard Time.

|   |   |  |
|---|---|--|
| <b>1:00 PM – 2:30 PM</b>                          |   | <b>CONGENITAL HEART SYMPOSIUM</b><br><b>Moderators:</b> <i>Alina Nicoara, MD, FASE and Charles B. Nyman, MBBCh</i>   |
| 1:00 PM   | I've Got a Hole in My Heart                             | <i>Ingrid Moreno-Duarte, MD</i>  |
| 1:20 PM   | Reconnect My Heart                                      | <i>Annette Vegas, MD</i>   |
| 1:40 PM   | Un-Break My Heart: Imaging and Common Repairs           | <i>Nelson Burbano-Vera, MD</i>   |
| 2:00 PM   | Help Me Understand the Plumbing                         | <i>Ingrid Moreno-Duarte, MD</i>  |
| 2:15 PM   | Q&A   |  |
| <b>2:30 PM – 2:45 PM</b>                          |   | <b>BREAK</b>   |
| <b>2:45 PM – 4:15 PM</b>                          |   | <b>3D SYMPOSIUM</b><br><b>Moderators:</b> <i>Aidan Sharkey, MD and Ellen Richter, MD</i>   |
| 2:45 PM   | 3D Image Optimization: It's Not Magic, It's Physics     | <i>Aidan Sharkey, MD</i>   |
| 3:05 PM   | Make 3D Part of Your Comprehensive Exam                 | <i>Stanton K. Shernan, MD, FAHA, FASE</i>  |
| 3:25 PM   | Multiplanar Reconstruction: It Matters How You Slice It | <i>Massimiliano Meineri, MD</i>  |
| 3:45 PM   | Case Based: 3D to the Rescue                            | <i>Abimbola O. Faloye, MD, FASE, FASA</i>  |
| 4:00 PM   | Q&A   |  |
| <b>4:15 PM – 4:30 PM</b>                          |   | <b>BREAK</b>   |
| <b>4:30 PM - 6:00 PM</b><br><i>In person only</i> |   | <b>CONGENITAL HEART DISEASE CASE BASED "LEARN FROM THE EXPERTS"</b><br><i>Annette Vegas, MD, FASE, FRCPC, MDCM; Nelson Hannio Burbano-Vera, MD; and Ingrid Moreno-Duarte, MD</i> |

Save the Date



## ECHO BOARD REVIEW COURSE

**VIRTUAL** | **JUNE 1-2, 2024**

February 15 - 18, 2024 • Loews Atlanta Hotel • Atlanta, Georgia

# AGENDA | FRIDAY, FEBRUARY 16, 2024

GENERAL SESSION IN ELLINGTON BALLROOM. All Times in Eastern Standard Time.

|  |   |
|--|---|
| 6:45 AM – 7:30 AM                          | BREAKFAST   |
| 7:30 AM – 9:30 AM<br><i>In person only</i> | <b>3D IMAGE ACQUISITION AND OPTIMIZATION: LEARNING FROM THE EXPERTS</b><br><i>James Lee, MD; Candice Morrissey, MD, MSPH, FASE; Massimiliano Meineri, MD; and Kimberly Howard-Quijano, MD, MS, FASE</i> |
| 9:30 AM – 9:45 AM                          | BREAK   |
| 9:45 AM – 11:15 AM                         | <b>DECISION MAKING IN AORTIC VALVE SURGERY</b><br><b>Moderators:</b> <i>Samhati Mondal, MD and Douglas C. Shook, MD, FASE</i>   |
| 9:45 AM                                    | Solving Data Discordance in Aortic Stenosis <i>Candice Morrissey, MD, MSPH, FASE</i>  |
| 10:00 AM                                   | The Role of Echo in Aortic Valve Repair <i>Emily Mackay, MD</i>   |
| 10:20 AM                                   | Assessment and Decision Making in Multivalvular Disease <i>Alina Nicoara, MD, FASE</i>  |
| 10:40 AM                                   | Aortic Valve Replacement: Not So Fast with that Test Dose <i>Angela Li Pollak, MD</i>   |
| 11:00 AM                                   | Q&A   |
| 11:15 AM – 11:30 AM                        | BREAK   |
| 11:30 AM – 1:00 PM                         | <b>STRUCTURAL HEART DISEASE I</b><br><b>Moderators:</b> <i>Richard Sheu, MD, FASE and Candice Morrissey, MD, MSPH, FASE</i>   |
| 11:30 AM                                   | Nuts and Bolts for A2-P2 TEER <i>Kiran Belani, MD</i>   |
| 11:50 AM                                   | Tips and Tricks for Left Atrial Appendage Occlusion <i>Laeben C. Lester, MD</i>   |
| 12:10 PM                                   | Learn from My Mistakes <i>Richard Sheu, MD, FASE</i>  |
| 12:30 PM                                   | Lost in Translation: Co-Registration <i>Charles B. Nyman, MBBCh</i>   |
| 12:45 PM                                   | Q&A   |
| 1:00 PM – 2:00 PM                          | LUNCH PROVIDED  |
| 2:00 PM – 4:00 PM                          | <b>CLINICAL DILEMMAS: NOW WHAT?</b><br><b>Moderators:</b> <i>Bruce A. Bollen, MD and Stanton K. Shernan, MD, FAHA, FASE</i><br><b>Panelists:</b> <i>Ashraf Sabe, MD and Bradley, Taylor, MD, MPH</i>    |
| 2:00 PM                                    | Clinical Dilemmas: Repair/Replace/Clip/Nothing Functional Mitral Regurgitation<br><i>Abimbola O. Faloye, MD, FASE, FASA</i>   |
| 2:25 PM                                    | Clinical Dilemmas: Not the Expected P2 Flail <i>Ellen Richter, MD</i>   |
| 2:50 PM                                    | Clinical Dilemmas: Endocarditis <i>T. Robert Feng, MD</i>   |
| 3:15 PM                                    | Clinical Dilemmas: Hypertrophic Cardiomyopathy – Will Septal Myectomy be Enough?<br><i>Alina Nicoara, MD, FASE</i>  |
| 3:45 PM                                    | Q&A   |
| 4:00 PM – 4:15 PM                          | BREAK   |
| 4:15 PM – 6:30 PM<br><i>In person only</i> | <b>3D POST PROCESSING – LEARNING FROM THE EXPERTS</b><br><i>Alina Nicoara, MD, FASE; Aidan Sharkey, MD; Stanton K. Shernan, MD, FAHA, FASE; and Bruce A. Bollen, MD</i>                                 |
| 6:30 PM – 8:00 PM<br><i>In person only</i> | SCA Echo Committee Meeting  |



## How to Get Your CME Certificate

1. SCAN to get your CME Certificate  
(link will become active at the conclusion of the meeting)
2. Login and evaluate the meeting.
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# AGENDA | SATURDAY, FEBRUARY 17, 2024

GENERAL SESSION IN ELLINGTON BALLROOM. All Times in Eastern Standard Time.

|  |   |
|--|---|
| 6:45 AM – 7:20 AM                          | BREAKFAST   |
| 7:20 AM – 8:50 AM<br><i>In person only</i> | <b>ECHO ANATOMY FOR SURGICAL DECISION MAKING - LEARNING FROM THE EXPERTS</b><br><i>Douglas C. Shook, MD, FASE; Ashraf Sabe, MD; Bradley Taylor, MD, MPH; and Alina Nicoara, MD, FASE</i>                |
| 8:50 AM – 9:00 AM                          | BREAK   |
| 9:00 AM – 10:20 AM                         | <b>ECHO FRONTIERS AND BEYOND</b><br><b>Moderators:</b> <i>Alina Nicoara, MD, FASE and Angela Li Pollak, MD</i>  |
| 9:00 AM                                    | Left Ventricular Strain: 2D and 3D <i>Priscilla Wessley, MD</i>   |
| 9:10 AM                                    | Right Ventricular Strain: 2D and 3D <i>Kimberly Howard-Quijano, MD, MS, FASE</i>  |
| 9:20 AM                                    | Parametric Models <i>Massimiliano Meineri, MD</i>   |
| 9:30 AM                                    | Challenges of Proximal Isovelocity Surface Area <i>Muhamad Saric, MD</i>  |
| 9:40 AM                                    | Challenges of Vena Contracta Area <i>Charles B. Nyman, MBBCh</i>  |
| 9:50 AM                                    | 3D Right Ventricular Quantification <i>Feroze Mahmood, MD, FASE</i>   |
| 10:00 AM                                   | Q&A   |
| 10:20 AM – 10:30 AM                        | BREAK   |
| 10:30 AM – 12:10 PM                        | <b>DECISION MAKING TRICUSPID VALVE SURGERY</b><br><b>Moderators:</b> <i>T. Robert Feng, MD and Ingrid Moreno-Duarte, MD</i>   |
| 10:30 AM                                   | Advanced Imaging of the Tricuspid Valve Apparatus <i>Brittney Williams, MD</i>  |
| 10:50 AM                                   | Clinical Decision Making in Functional Tricuspid Regurgitation <i>Ashraf Sabe, MD</i>   |
| 11:10 AM                                   | Pitfalls and Controversies in Tricuspid Regurgitation Quantification <i>Stanton K. Shernan, MD, FAHA, FASE</i>  |
| 11:30 AM                                   | Case Based: Unanticipated Tricuspid Valve Pathology <i>Laebe C. Lester, MD</i>  |
| 11:50 AM                                   | Q&A   |
| 12:10 PM – 12:45 PM                        | GATHER LUNCH  |
| 12:45 PM – 1:45 PM                         | <b>ARTHUR E. WEYMAN, MD LECTURE - TEE BEYOND THE HEART: A NEW FRONTIER</b>  |
| 12:45 PM                                   | Lecture <i>Annette Vegas, MD, FRCPC, FASE</i>   |
| 1:30 PM                                    | Q&A   |
| 1:45 PM – 2:00 PM                          | Awards  |
| 2:00 PM – 3:30 PM                          | <b>IT IS ALL ABOUT THE MITRAL VALVE</b><br><b>Moderators:</b> <i>Feroze Mahmood, MD, FASE and Mark A. Taylor, MD, FASE</i>  |
| 2:00 PM                                    | Advanced Imaging of the Mitral Valve Apparatus <i>Sharon McCartney, MD</i>  |
| 2:20 PM                                    | It's Not Only About the Leaflets (Annular Disjunction, Atrial MR) <i>Aidan Sharkey, MD</i>  |
| 2:40 PM                                    | Pitfalls and Controversies in Mitral Regurgitation Quantification <i>Roosha Parikh, MD</i>  |
| 3:00 PM                                    | Mitral Valve Repair Evaluation <i>Douglas C. Shook, MD, FASE</i>  |
| 3:15 PM                                    | Q&A   |
| 3:30 PM – 3:45 PM                          | BREAK   |
| 3:45 PM – 5:25 PM                          | <b>CLINICAL DILEMMAS: SHOULD WE RE-INTERVENE?</b><br><b>Moderators:</b> <i>Bruce A. Bollen, MD and Mark A. Taylor, MD, FASE</i><br><b>Panelists:</b> <i>Ashraf Sabe, MD and Bradley Taylor, MD, MPH</i> |
| 3:45 PM                                    | New Findings After Congenital Repair <i>Nelson Burbano-Vera, MD</i>   |
| 4:05 PM                                    | New Right-sided Pathology <i>Kimberly Howard-Quijano, MD, MS, FASE</i>  |
| 4:25 PM                                    | New Findings After Aortic Valve Surgery <i>Emily Mackay, MD</i>   |
| 4:45 PM                                    | There Is Something Wrong with My New Valve <i>James Lee, MD</i>   |
| 5:05 PM                                    | Q&A   |
| 5:30 PM – 6:30 PM                          | Cocktail Hour   |
| 7:00 PM                                    | FACULTY DINNER  |



# AGENDA | SUNDAY, FEBRUARY 18, 2024

GENERAL SESSION IN ELLINGTON BALLROOM. All Times in Eastern Standard Time.

|  |   |
|--|---|
| 6:45 AM – 7:20 AM                          | BREAKFAST   |
| 7:20 AM – 8:50 AM<br><i>In person only</i> | <b>ECHO ANATOMY FOR STRUCTURAL HEART DECISION MAKING - LEARNING FROM THE EXPERTS</b><br><i>Douglas C. Shook, MD, FASE; Kiran Belani, MD; Aidan Sharkey, MD; and Ashraf Sabe, MD</i> |
| 8:50 AM – 9:00 AM                          | BREAK   |
| 9:00 AM – 10:45 AM                         | <b>STRUCTURAL HEART II ASE @ SCA</b><br><b>Moderators:</b> <i>Charles B. Nyman, MBBCh and Kiran Belani, MD</i>  |
| 9:00 AM                                    | MitraClip for Experts <i>Kiran Belani, MD</i>   |
| 9:20 AM                                    | Percutaneous Tricuspid Edge-to-Edge Repair <i>Muhamad Saric, MD</i>   |
| 9:40 AM                                    | Transcatheter Electrosurgery <i>Roosha Parikh, MD</i>   |
| 9:55 AM                                    | Am I Extinct in the ICE Age <i>Richard Sheu, MD, FASE</i>   |
| 10:15 AM                                   | Percutaneous Valve Replacement <i>Priscilla Wessley, MD</i>   |
| 10:30 AM                                   | Q&A   |
| 10:45 AM – 11:00 AM                        | BREAK   |
| 11:00 AM – 12:45 PM                        | <b>MECHANICAL CIRCULATORY SUPPORT (MCS) AND TRANSPLANT</b><br><b>Moderators:</b> <i>Alina Nicoara, MD, FASE and T. Robert Feng, MD</i>  |
| 11:00 AM                                   | Echo Guided Decision Making for Left Ventricular Assist Device Implantation <i>Samhati Mondal, MD</i>   |
| 11:15 AM                                   | Echo Guidance for Temporary MCS <i>Sharon McCartney, MD</i>   |
| 11:35 AM                                   | The Extracorporeal Membrane Oxygenation Alphabet Soup <i>T. Robert Feng, MD</i>   |
| 11:55 AM                                   | Imaging for Lung Transplantation <i>Ellen Richter, MD</i>   |
| 12:15 PM                                   | Imaging for Heart Transplantation <i>Abimbola O. Faloye, MD, FASE, FASA</i>   |
| 12:30 PM                                   | Q&A   |



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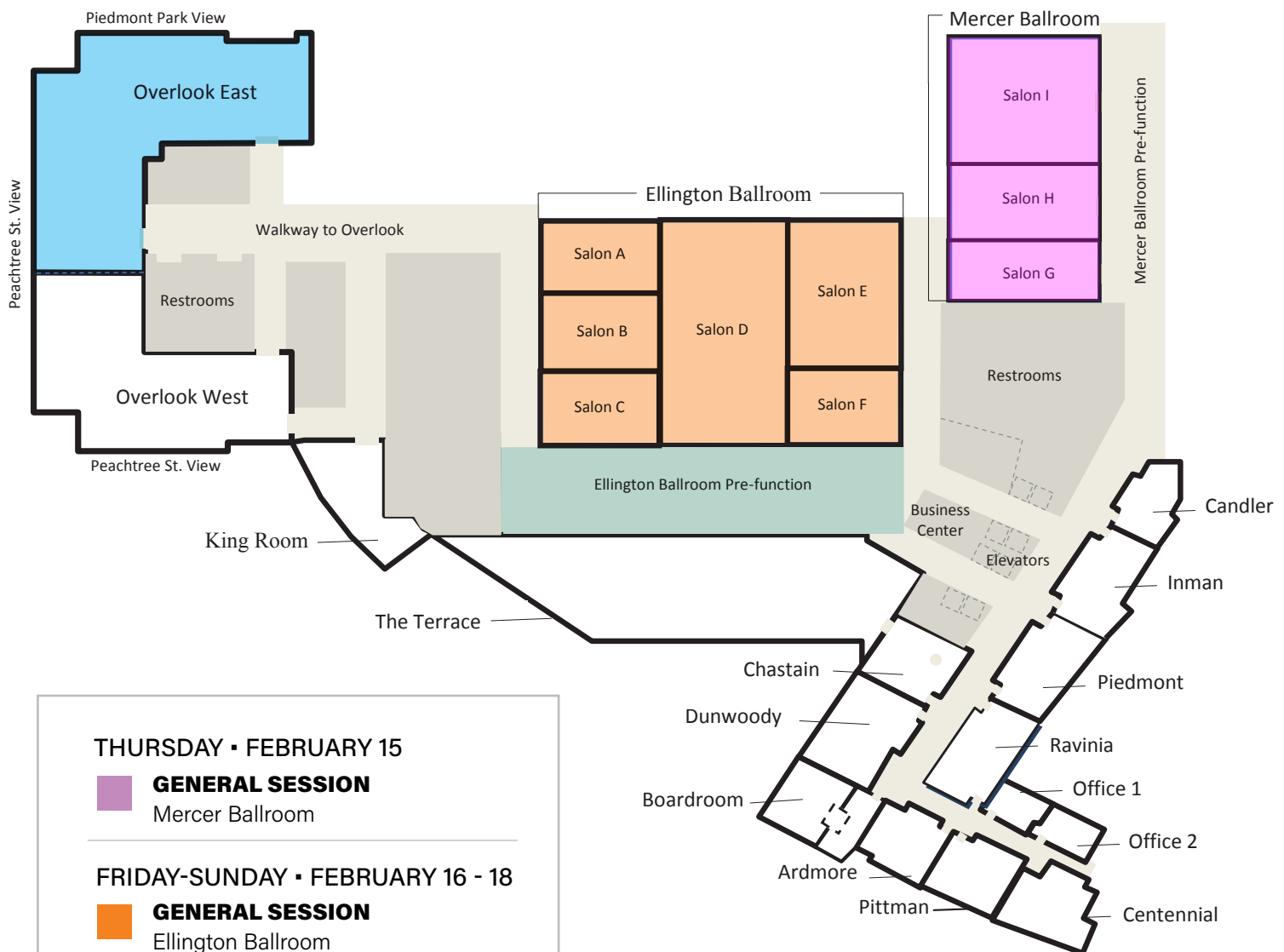
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# MEETING SPACE



# Thank You

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# PHILIPS

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# SCA ECHO 2025



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