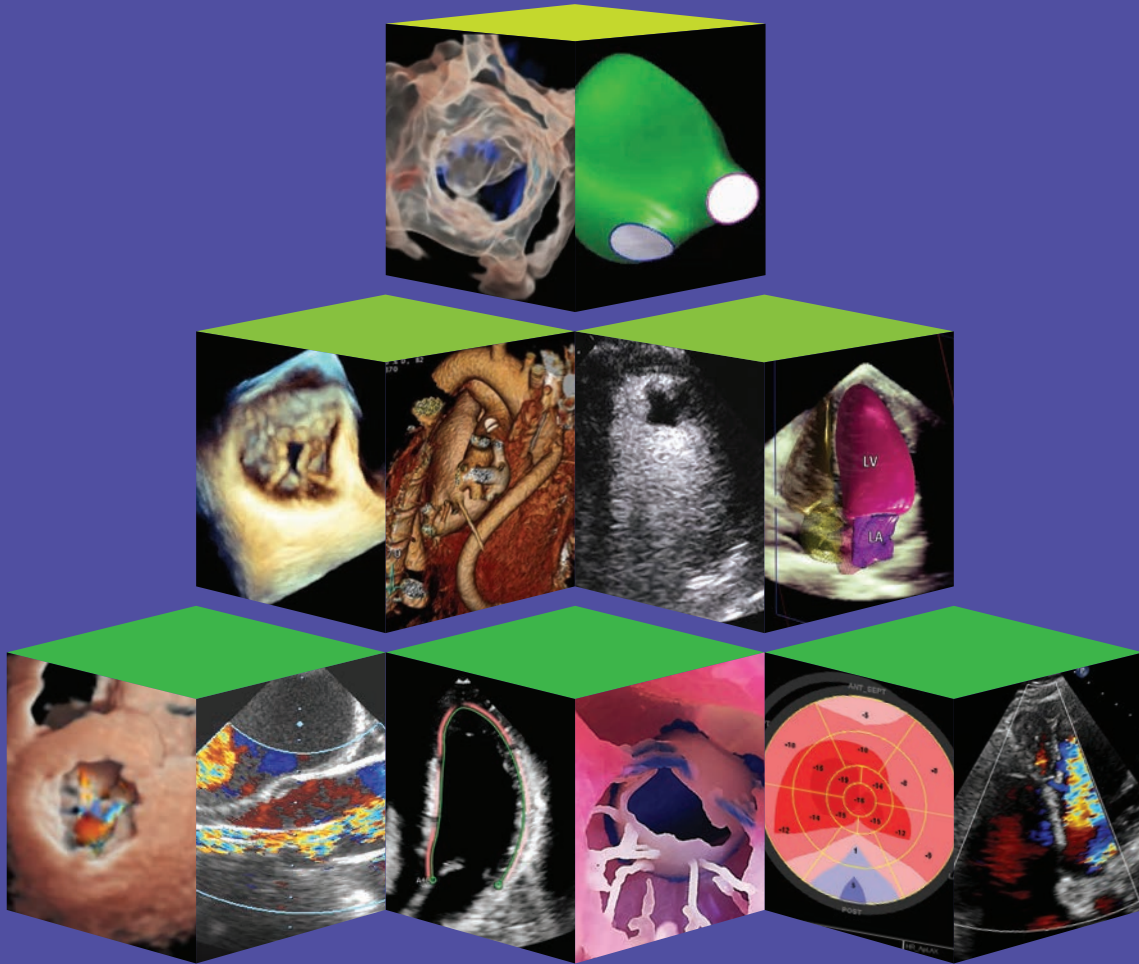


American Society of Echocardiography

ASE 2023

Foundations and the Future
of Cardiovascular Ultrasound



June 23-26, 2023

**Gaylord National Resort & Convention Center
National Harbor, MD**

#ASE2023

ASEScientificSessions.org

SCHEDULE AT A GLANCE

FOUNDATIONS AND THE FUTURE OF CARDIOVASCULAR ULTRASOUND

The loftier the building, the deeper must the foundation be laid. – Thomas à Kempis (medieval theologian)

Love, friendship, networking - these are all critical connections and the foundation of a healthy, happy life. – Whitney Wolfe Herd (modern businesswoman)

ASE is indeed a lofty edifice built on a deep foundation and reaching toward the future. Our education, science, innovation, public service, global outreach, and clinical care will be on display at the annual Scientific Sessions, June 23-26, 2023, in National Harbor, Maryland. ASE 2023 is about “critical connections”—across countries, institutions, and specialties—cardiovascular professionals forging the “foundation of a healthy, happy life” for our patients and ourselves. There is no better venue than National Harbor, with world class restaurants and shops, loads of family activities, outdoor concerts and movies, a water taxi to Alexandria, Virginia, and close proximity to Washington, D.C.

The ASE 2023 program committee built tremendous pathways (practice specialties, modalities) and topic areas (disease states and technology applications). The sessions focus on both cardiovascular ultrasound as the *Foundation* to cardiovascular practice by emphasizing the “building blocks” and the “bedrock” of quality and the exciting *Future* of cardiovascular ultrasound as we examine novel techniques, tools, building materials, and styles.

Building brings us together, and Scientific Sessions will also celebrate connectivity—the glue, screws, nails, and sealant of our amazing Society. At ASE 2023, you can:

- Participate in the all-new, intimate **“Read with Me” small group sessions** reviewing echos with experts in a “flipped classroom.”
- Join the **Sonographer Career Day**, Saturday, June 24 (free to sonography students).
- Put on your work gloves and learn tips and tricks in **DIY scanning or learning labs**.
- Each morning of the conference, grab a cup of coffee or tea and head to sessions highlighting the **best new research** or the **most eye-popping case findings**.
- Re-establish ties with old friends in the **Meet Up rooms** or over a meal.
- Meet and hear from the “architects” of **ASE guidelines in special review sessions**.
- Get a peek at blueprints in the **Science and Technology Theaters**.
- Join the crowd at the all-new **Arena** hosting “can’t miss” sessions including debates, “TED” style talks, “the Heart Team in Action,” “Echo in the Wild,” “Echo heard round the world,” “Best of Imaging Research”, and a little drama over Artificial Intelligence.
- Try your CV ultrasound skills at vendor booths and build toward the big prize during the scanning carnival.

Finally, don’t forget to secure your seat at the ASE Foundation Gala, where we will celebrate “All the Colors of the World” and raise funds for CV ultrasound research. Be sure to wear formal attire that celebrates your heritage.

See you in National Harbor!



James N. Kirkpatrick
ASE 2023 Chair
University of Washington Medical Center
Seattle, WA



Madeline Jankowski, BS, RDCS, ACS, FASE
ASE 2023 Co-chair
Northwestern Medicine
Chicago, IL

REGISTRATION OPEN 12:00 PM - 5:30 PM						
1:00 – 2:30 PM	Cardio-Onc Building Blocks Bootcamp	Emerging Advances in Cardiac Imaging	Introduction to Interventional Imaging: Not Just about the Intervention	IAC Bootcamp: Foundations of Quality		
2:30 – 2:45 PM	REFRESHMENT BREAK					
2:45 – 4:00 PM	Reaching the Values Summit with Legislative Luminary	Pediatric POCUS	Just Relax: Diastolic Dysfunction	Help I Need Somebody! TTE Diagnosis of Complications Following Structural Procedures	Peripheral Vascular Potpourri	
4:00 – 4:15 PM	BREAK					
4:15 – 5:30 PM	AI: Tips for Data Mining Echo Reports and EMR	Peds Council Business Mtg / Nomenclature Fest	HCM: What’s New in Guidelines	Sonographer Council Business Meeting (4:15 - 4:45 PM) Critical Care Council Business Meeting (5:00 - 5:30 PM)	COPE Council Business Meeting (4:15-4:45 PM) Circulation & Vascular Council Business Meeting (5:00 - 5:30 PM)	Interventional Echo Council Business Meeting (5:00 - 5:30 PM)
6:00 – 9:30 PM	WELCOME RECEPTION AND COUNCIL NETWORKING – BOBBY MCKEY’S PIANO BAR					

NEW THIS YEAR, ASE is offering a **Sonographer Career Day** with free registration for sonographer students to attend on Saturday, June 24. This special day allows students a unique opportunity to network with faculty and learn more about their chosen career. All registrants are welcome to attend any sessions on Saturday, but there are additional sessions listed below that may be of particular interest to students. We are also holding two recruiting sessions between 10:00 AM and 3:00 PM where institutions and labs will be on site. Students who register are encouraged to explore the Echo Expo and attend the President's Reception to wrap up their day with ASE.

REGISTRATION OPEN 6:00 AM – 6:30 PM ~ ECHO EXPO OPEN 12:00 PM – 6:30 PM						
6:30 – 7:30 AM	ASE Cares Wellness Session					
7:00 – 7:50 AM		Case Studies: You Won't Believe What I Saw	Pediatric and Congenital Heart Disease Cases & Abstract Session	Case Studies: The Good, The Bad, and The Ugly	Abstracts	Case Studies: Echo to the Rescue
8:00 – 10:00 AM	STATE OF ASE, 2023 AWARDS PRESENTATION, FASE RECOGNITION, AND 34 TH ANNUAL EDLER LECTURE					
10:00 – 10:45 AM	REFRESHMENT BREAK					
10:10 – 10:40 AM	CHALK TALK: The Champagne of Echo: Basics of Bubbles					
10:45 AM – 12:00 PM	Emerging Techniques in Stress Echo	The Aortic Valve Rocks! Essentials of Aortic Stenosis	3D Echocardiography: Things You Should Do Daily, but Probably Do Not! <i>(ASE/EACVI Joint Session)</i>	When Protein Goes Bad: The Constantly Evolving Landscape of Cardiac Amyloid	Much Ado about Aortic Valve Regurgitation	Multimodality Imaging Assessment for Transcatheter Intervention on Pulmonary Valves
12:00 – 1:30 PM	LUNCH BREAK – VISIT THE ECHO EXPO AND POSTERS ARENA IN THE ECHO EXPO: Heart Team in Action: Experts' Best Cases (12:15 – 1:15 PM)					
12:15 – 1:15 PM	SCIENCE AND TECHNOLOGY THEATER 1: LANTHEUS					
12:45 – 1:45 PM	SCIENCE AND TECHNOLOGY THEATER 2: JANSSEN					
1:30 – 2:45 PM	Approach to Chest Pain in the Modern Era	Echogenomics	Coming to Consensus in Mixed Valve Disease	Foundations of Multimodality Imaging: What Every Echocardiographer Should Know	Challenging Mitral Valve Cases with Experts	CardiOB: Pregnancy & the Myocardium
1:30 – 2:45 PM	ARENA IN THE ECHO EXPO – AI and the Workflow of the Echo Lab					
2:45 – 3:15 PM	REFRESHMENT BREAK – VISIT THE ECHO EXPO AND POSTERS					
3:15 – 4:30 PM	Right Time for Right Ventricle	ShowCASE (3:00 – 4:30 PM)	Quality Improvement Collaborative	The Tricuspid Regurgitation Primer: Tools for Imaging and Managing Tricuspid Valve Disease	Structural Heart for the Sonographer	The Value of POCUS in the Inpatient & Outpatient Setting
3:15 – 4:30 PM	ARENA IN THE ECHO EXPO – Great Debates in Circulation: Elect a Winner!					
4:30 – 6:30 PM	PRESIDENT'S RECEPTION ECHO EXPO					
4:45 – 5:45 PM	SCIENCE AND TECHNOLOGY THEATER 1: BRACCO DIAGNOSTICS INC.					
5:00 – 5:45 PM	ARENA IN THE ECHO EXPO – Everything You Need to Know About Aortic Stenosis					
5:15 – 6:15 PM	SCIENCE AND TECHNOLOGY THEATER 2: BRISTOL MYERS SQUIBB					

ADDITIONAL SESSIONS

- Guideline Review: Cardiac Point of Care Ultrasound (POCUS) in Children
- How to Build My CV
- Clinical Ultrasound Fellowships TED Talk
- Educator Summit - Creating an ACS Program: What You Need to Know
- Guideline Review: Echocardiography in Evaluation of Rheumatic Heart Disease
- Guideline Review: Multimodality Cardiovascular Imaging in Patients with Hypertrophic Cardiomyopathy
- Guidelines and Consensus: Learn from the Experts
- Building the Workforce: Sonographers and Echocardiographers
- Sonographer Career Pathways: Welcome to My TED Talk
- Leadership Academy Application: What Do I Need to Do to Be a Good Candidate?

REGISTRATION OPEN 6:30 AM – 6:30 PM ~ ECHO EXPO OPEN 10:00 AM – 6:30 PM						
7:00 – 7:50 AM		Fetal Symposium (7:00 – 8:30 AM)	Classic Case Studies: Remember this One?	Abstracts	Cases: I Still Don't Believe It	Abstracts
8:00 – 8:45 AM	GARDIN LECTURE (KEYNOTE SPEAKER)					
8:50 – 10:05 AM	Engineering in the Echo Lab: Building the Future	The Architecture of Hypertrophic Cardiomyopathy	Non-Invasive Evaluation of Women's Heart Disease: Ischemia and Beyond	The Sonographer and the Mitral Valve: Blueprints for Success	Congenitally Corrected Transposition of the Great Arteries Untangled	Cutting Edge POCUS Training
10:05 – 10:45 AM	REFRESHMENT BREAK: VISIT THE ECHO EXPO AND POSTERS					
10:45 AM – 12:00 PM	The Cityscape of Pulmonary Embolism	Chambers and Goals Misalignment	Multimodality Imaging Saves the Day	Artificial Intelligence and Machine Learning	Heart Failure/Mechanical Circulatory Support: Putting in the Plumbing	Cardiovascular Multimodality Imaging in Cardiomyopathies (ASE/EACVI Joint Session)
10:30 – 11:45 AM	ARENA IN THE ECHO EXPO – Echo in the Wild: Case Studies From Outside the Echo Lab					
12:00 – 1:30 PM	LUNCH BREAK: VISIT THE ECHO EXPO ARENA IN THE ECHO EXPO – Moderated Posters					
12:15 – 1:15 PM	SCIENCE AND TECHNOLOGY THEATER 1: PHILIPS					
12:45 – 1:45 PM	SCIENCE AND TECHNOLOGY THEATER 2: PFIZER					
1:30 – 2:45 PM	Unique Issues to The Premature Infant	The Aorta: Seeing is Believing	The Unique Architecture of Cardiomyopathies	Brian Haluska Sonographer Research Award Competition	Intraoperative TEE to Guide Decision-Making and Improve Patient Outcomes	Advantages and Limitations of Cardiac POCUS: A CASE Series
1:30 – 2:45 PM	ARENA IN THE ECHO EXPO – Echo Heard Around the World					
2:45 – 3:15 PM	REFRESHMENT BREAK: VISIT THE ECHO EXPO AND POSTERS ARENA IN THE ECHO EXPO – Gaps and Future Directions in the Assessment of the Aorta (2:50 – 3:20 PM)					
3:15 – 4:30 PM	Multimodality Imaging Builders: Seeing the Structures in Structural Heart Interventions		Multimodality Imaging of Valvular Heart Diseases (ASE/JSE Joint Session)	Pediatric Jeopardy	Expect the Unexpected: Post MI Complications and Cardiogenic Shock	Women in Echo (Networking in the Echo Expo immediately following session.)
3:15 – 4:30 PM	ARENA IN THE ECHO EXPO – Best of Imaging Research					
4:30 – 6:30 PM	VISIT THE ECHO EXPO AND POSTERS ARENA IN THE ECHO EXPO – Practical and Reliable Echo Evaluation of Right Heart Function (4:45 – 5:30 PM)					
4:45 – 5:45 PM	SCIENCE AND TECHNOLOGY THEATER 1					
5:15 – 6:15 PM	SCIENCE AND TECHNOLOGY THEATER 2					
6:30 – 11:00 PM	ASE FOUNDATION RESEARCH AWARDS GALA (Ticketed Event. Additional Fee Required)					

ADDITIONAL SESSIONS

- Building ASE Cares
- Guideline Review: Use of Multimodality Cardiovascular Imaging in Young Adult Competitive Athletes
- Guideline Review: TEE to Assist in Surgical Decision Making in the Operating Room
- Mixing Multimodality Imaging into Your Practice: Unmet Needs, Challenges, and Promises
- Cutting Edges and Sharp Angles in Interventional Echo
- Equity, Diversity, Inclusion, and Echo
- Where Should I Image My Patient with ACHD: Adult or Peds Lab?

READ WITH ME SESSIONS

- University of Washington
- University of California - San Francisco
- Northwestern
- University of Alabama
- European Union
- Philippines
- Duke Pediatrics
- University of Chicago

REGISTRATION OPEN 6:30 AM – 4:30 PM ~ ECHO EXPO OPEN 10:00 AM – 2:00 PM						
7:00 – 7:50 AM		Foundational Congenital Teaching Cases	Foundational Adult Teaching Cases	Abstracts	Cases: Head Scratches	Veterinary Abstract Showcase
8:00 – 10:00 AM	ARTHUR E. WEYMAN YOUNG INVESTIGATOR'S AWARD COMPETITION AND 24 TH ANNUAL FEIGENBAUM LECTURE					
10:00 – 10:30 AM	REFRESHMENT BREAK: VISIT THE ECHO EXPO AND POSTERS ARENA IN THE ECHO EXPO – ABC on Imaging for TAVI Valve Sizing (10:00 – 10:45 AM)					
10:30 – 11:45 AM	Newer Structural Interventions Guided by Echocardiography	Coronary Anomalies: Imaging Challenges and Risk Stratification	The Pyramid of Endocarditis Imaging in 2023	Tiny Bubbles	Aortic Aneurysmal Disease and Acute Aortic Syndromes	Echo Lab Medical and Technical Director Forum
11:45 AM – 1:15 PM	LUNCH BREAK: VISIT THE ECHO EXPO ARENA IN THE ECHO EXPO – Moderated Posters					
12:00 – 1:00 PM	SCIENCE AND TECHNOLOGY THEATER 1					
12:30 – 1:30 PM	SCIENCE AND TECHNOLOGY THEATER 2					
1:15 – 2:30 PM	Pathologic Conference with the <i>New England Journal of Medicine</i> (1:15 – 2:45 PM)	Multimodality Imaging: Variants of Tetralogy of Fallot through Lifespan	3D Imaging	Year In Review and Research Highlights	When Tumor is the Rumor, Tissue is the Issue	Interventional Echocardiography: Building a New Subspecialty
2:30 – 3:00 PM	REFRESHMENT BREAK					
3:00 – 4:30 PM	Pericarditis And Pericardial Imaging	Advanced Intra-Procedural Guidance of Structural Heart Interventions	Decision-Making Challenges in Biventricular Repair	Strain Imaging: From Basics To Beyond		

ADDITIONAL SESSIONS

- Guideline Review: Non-Invasive Imaging in Coronary Syndromes
- Guideline Review: Adult Cardiac Sonographer Performing Echocardiography to Screen for Critical Congenital Heart Disease in the Newborn

Accreditation and Designation

ASE is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

ASE designates this live activity for a maximum of **29.75 AMA PRA Category 1 Credits™**. In-person registration also includes unlimited access to the recordings from the six main track rooms for 90 days after the meeting concludes. Virtual registration includes up to **24.25 AMA PRA Category 1 Credits™** and unlimited access to the content that is live-streamed during the ASE 2023 Scientific Sessions. In addition to offering CME credits, this activity has been developed and registered with ACCME to provide MOC, MOC Part 2, and MOCA 2.0 credits in alignment with **AMA PRA Category 1 Credit™**.

Registering for this course will help you achieve all the CME you need to meet IAC CME requirements for echo lab physicians and sonographers.





The listings on this page are ticketed events with additional fees required. All times are Eastern time.

LEARNING LABS – \$125 EACH

Course attendees can register for computer-based learning labs offered throughout the program.

DIY ACQUISITION WORKSHOPS

SCAN – Participants gain hands-on experience to master techniques directly on multiple ultrasound systems. Registration is limited to five participants per workshop session. **Price: \$30.00**

OBSERVE – Participants can hear and see the different techniques available on multiple ultrasound systems. Hands-on scanning is not available for observers. Registration is limited to 25 participants per workshop session. Registration is required to observe these workshops. **Free to Observe**

SATURDAY, JUNE 24

9:00 – 9:50 AM	DIY ACQUISITION ROOM: Strain Echocardiography
9:30 – 11:30 AM	LEARNING LAB: 3D Cropping
10:00 – 10:50 AM	DIY ACQUISITION ROOM: Strain Echocardiography
12:30 – 2:30 PM	LEARNING LAB: 3D Cropping for Valve Interventions
1:00 – 1:50 PM	DIY ACQUISITION ROOM: 3D Echocardiography
2:00 – 2:50 PM	DIY ACQUISITION ROOM: 3D Echocardiography
3:00 – 5:00 PM	LEARNING LAB: Basic Myocardial Strain Imaging (LV, RV, LA)
4:00 – 4:50 PM	DIY ACQUISITION ROOM: Pediatrics

SUNDAY, JUNE 25

9:00 – 9:50 AM	DIY ACQUISITION ROOM: Strain Echocardiography
9:00 – 11:00 AM	LEARNING LAB: Advanced Myocardial Strain Imaging (LV, RV, LA)
10:00 – 10:50 AM	DIY ACQUISITION ROOM: Strain Echocardiography
1:00 – 1:50 PM	DIY ACQUISITION ROOM: 3D Echocardiography
1:30 – 3:30 PM	LEARNING LAB: Dealing with Discrepant Data: Hands-on Hemodynamics
2:00 – 2:50 PM	DIY ACQUISITION ROOM: 3D Echocardiography
4:00 – 4:50 PM	DIY ACQUISITION ROOM: Adult Congenital Heart Disease

MONDAY, JUNE 26

8:00 – 10:00 AM	LEARNING LAB: 3D Pediatric Echocardiography
9:00 – 9:50 AM	DIY ACQUISITION ROOM: Vascular
10:00 – 10:50 AM	DIY ACQUISITION ROOM: POCUS
10:30 AM – 12:00 PM	LEARNING LAB: Pediatric Strain Echocardiography

Register for the ASE 34th Annual Scientific Sessions by visiting ASEScientificSessions.org.

ASE 2023 Scientific Sessions will be held at the Gaylord National Resort and Convention Center, located at 201 Waterfront Street, National Harbor, Maryland USA, 20745.

ASE 2023 REGISTRATION RATES

If you are an ASE member and have not renewed your membership for 2023, renew today so you can register at the member rate and SAVE.

ASE 2023 In-Person: Registration includes a maximum of 29.75 CME/MOC points, Welcome and President's Receptions, breakfast, and coffee breaks. In-person registrants receive unlimited access to recordings (audio and PowerPoint only) from six main track rooms for 90 days from Tuesday, July 11, 2023, to Monday, October 9, 2023. Attendees may claim CME credits for attending sessions in-person.

ASE 2023 Virtual: Registration includes access to the live streaming of specific sessions and a maximum of 24.25 CME/MOC points. Virtual registrants will receive unlimited access to recordings (audio and PowerPoint only) from the live-streamed sessions for 90 days from Tuesday, July 11, 2023, to Monday, October 9, 2023. Virtual attendees may claim CME credits for watching either the live-streamed or recorded sessions.

You will receive a small discount if you purchase the ASE 2023 Conference Online Library as a bundle with registration. The Library is \$199 for ASE members and \$250 for nonmembers when not bundled with a registration. The price will increase after the conference to \$299 for ASE members and \$399 for nonmembers. The Library includes unlimited online access, for three (3) years, to the 2023 Scientific Sessions, including live audio, screen capture with animation, mouse pointer, and embedded video.

ASE 2023 IN-PERSON REGISTRATION								
Category	ASE Member* Through May 23	ASE Member* Bundle with Online Library Through May 23	ASE Member* Through June 22	ASE Member* Bundle with Online Library Through June 22	Nonmember* Through May 23	Nonmember* Bundle with Online Library Through May 23	Nonmember* Through June 22	Nonmember* Bundle with Online Library Through June 22
Physician/ Scientist	\$999	\$1,179	\$1,099	\$1,279	\$1,385	\$1,630	\$1,485	\$1,730
Sonographer/ Allied Health/ Veterinarian	\$625	\$805	\$725	\$905	\$885	\$1,130	\$985	\$1,230
Fellow in Training	\$380	\$560	\$480	\$660	\$535	\$780	\$635	\$880
Abstract Presenter**	\$335	\$515	\$435	\$615	\$560	\$805	\$660	\$905
Special Registrations	Rates Through May 23	Bundle with Online Library Through May 23	Rates Through June 22	Bundle with Online Library Through June 22				
Student Sonographer/ Allied Health	\$360	\$540	\$460	\$640				
One Day Rate	\$260	no bundle	\$360	no bundle				
Corporate/ Industry/Other	\$1,390	\$1,570	\$1,490	\$1,670				

ASE 2023 VIRTUAL REGISTRATION								
Category	ASE Member Through May 23	ASE Member Bundle with Online Library Through May 23	ASE Member Through June 22	ASE Member Bundle with Online Library Through June 22	Nonmember Through May 23	Nonmember Bundle with Online Library Through May 23	Nonmember Through June 22	Nonmember Bundle with Online Library Through June 22
Virtual Registration	\$300	\$480	\$400	\$580	\$500	\$745	\$600	\$845

* On-site registration is available, but beginning June 23, 2023, all fees will increase by an additional \$125.

****IMPORTANT NOTE FOR ABSTRACT PRESENTERS:** If you are submitting an abstract for ASE 2023 and wish to receive the discounted rate for abstract presenters, please do not register prior to receiving acceptance notification on March 27, 2023. No refunds will be given for registrations made prior to notification. If you will be serving as faculty at the Scientific Sessions, please do not register as there will be a separate process.

ACTIVE OR RETIRED U.S. MILITARY (In-Person and Virtual Registrations): ASE honors all active and veteran military attendees! If you have served in the U.S. military and would like to participate in the ASE Scientific Sessions, please email Registrar@ASEcho.org to receive a discount code for the registration fee. Please include a copy of your active or retired military ID or DD214 form and omit any personal information from the submitted document, such as your social security number.



ASE Foundation

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Durham, NC 27713

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Early Registration Ends May 23, 2023, Register Today!

Plan Now to Join Us for the ASE Scientific Sessions at the Gaylord National Resort and Convention Center June 23-26, 2023

MAKE YOUR RESERVATION TODAY!

ASE has secured a room block at the Gaylord National Resort & Convention Center for a discounted rate of \$279 USD per night (plus tax, based on single/double occupancy). An additional daily resort fee* of \$27 per room per night (plus tax) will be added to your total bill. The discounted room rate cut-off date is June 2, 2023.

*The resort fee includes high-speed internet access in guestrooms, two bottled waters replenished daily, access to fitness center & indoor pool, \$10 credit towards dry cleaning services, coupon book with a valued savings of over \$100, and National Harbor shuttle transportation to several locations throughout National Harbor.

Visit ASEScientificSessions.org/Housing for more information.

