

# Southeastern Section Newsletter

September 2022, Fall Edition

Editor: Priya Goeser

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## Message from Section President

by **Todd Schweisinger** on September 18, 2022

Greetings members of the ASEE Southeastern Section! I am honored to be a part of this section's active team of authors, presenters, reviewers, officers, and mentors who volunteer their time and talent to help others. Because of the dedicated team of leaders who volunteer their time to our success, it is a pleasure and an honor for me to serve as president. As a faculty member, the section has given me opportunities to pursue excellence, so it is my passion to give back to the section by enhancing and promoting the development and retention of outstanding engineering educators. You are the reason I leave every conference with renewed vigor and enthusiasm.



### **Acknowledgements**

I want to thank Chuck Newhouse, 2021-2022 ASEE-SE president, and all the leaders in our section for ushering the section back to an in-person conference in Charleston, SC. Thanks to The Citadel for hosting an outstanding 2022 ASEE-SE Conference with Monika Bubbacz leading the site coordination and Natalia Cardelino serving as technical program chair. At a time when we were all still feeling the impact of COVID-19, extra effort was required to push through the uncertainty in planning and hosting an in-person conference. I remember early discussions on whether another virtual conference was in the best interest of our members, and I am grateful for everyone's careful deliberation and discussions leading us to a successful return to in-person activities.

### **Conference and Section News**

Our organization believes that diversity and inclusiveness are essential to enriching educational experiences and the innovations that drive the development of creative solutions in addressing the world's challenges. So, it is fitting that the theme of our 2023 ASEE-SE conference is, "Educating the Inclusive Engineer: Diverse, Innovative, Accountable." George Mason University had been planning to host the 2021 conference, and then the difficult decision was made to hold the conference completely online. So, we are excited the schedule has been rearranged such that George Mason University in Fairfax, Virginia is back on the schedule to host the upcoming conference, this time on March 12-14, 2023.

In the past few years, the section has adapted the conference modality to online, and now back to in person, changed the location and conference schedule, created an improved website, and the latest change is our adoption of a new paper management and registration system for the section. Thank you to technical program chair, Anna Howard, for leading the section in implementing the new system. There were some key driving factors to switch systems: the improved ability for authors to have their papers discoverable, to align with ASEE, and to benefit from ASEE support. ASEE is investing in technology to improve connection to members through ASEE HUB, but the Southeastern section will also continue to use the section e-mail list to communicate timely information to section members.

### **Getting Involved and Building Community**

The section has benefitted from several years of successful conferences, and we will be looking at new ways to build community between our members, increase participation and attendance at the annual section conference, and keep registration fees affordable. I hope that each of you will benefit from and contribute to our culture of inclusiveness, mentorship, professional development, collegiality, and spirit of volunteerism that the Southeastern Section values. The success of the Southeastern section depends on all of us, and the process to become more involved in leadership roles is relatively simple. Start by attending the annual section conference. During the conference, we hold meetings during breakfast at which officers are elected. Speak with others at the breakfast table, and pursue an officer position in your Division. I look forward to seeing you at George Mason University in March!

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## George Mason University 2023 ASEE Southeastern Section Conference Site

by [Elizabeth Dean](#) on September 15, 2022

[George Mason University's College of Engineering and Computing](#) is excited to be hosting the 2023 ASEE-SE Section's Annual Meeting March 12-14, 2023, on our Mason Square campus in Arlington, Va., just outside of Washington, D.C.

In alignment with Mason's focus on inclusivity and access, the theme for the 2023 conference is **Educating the Inclusive Engineer: Diverse, Innovative, Accountable**. The ASEE-SE Conference is open to anyone interested in improving the engineering education experience. Participants include faculty, staff, department chairs, deans and industry leaders in engineering, computing, and education. This is a fantastic opportunity to meet, mingle and learn from colleagues.

The College of Engineering and Computing at George Mason University is a fast-growing force for innovation in technology and education. The college boasts over 10,000 students in two schools, 37 undergraduate, master's, and doctoral degree programs, including several first-in-the-nation offerings. As part of an R-1 research university, our research teams had more than \$70 million in research expenditures last year. Located in the heart of Northern Virginia's technology corridor, the college stands out for its focus on emerging areas including big data, cybersecurity, healthcare technology, robotics and

autonomous systems, artificial intelligence and machine learning, signals and communications, and sustainable infrastructure.



**Mason Square at night**

Photo by: Ron Aira/Creative Services/ George Mason University



**Nguyen Engineering Building on Fairfax Campus**

photo by Evan Cantwell/Creative Services

George Mason University has become Virginia's largest, most diverse, and highest-ranked university for innovation by rejecting the traditional university model of exclusivity. We proudly admit every student who is academically ready for our top-tier research environment, while achieving graduation rates that surpass the national norm. At just 50 years old, Mason has earned national and international rankings for a growing list of academic studies and student services.



**Virginia Square, VA is located across the Potomac River from Washington, D.C.**

Photo by: Ron Aira/Creative Services/ George Mason University



**Aerial view of Mason's Fairfax Campus from 2019**

We look forward to hosting you at the College of Engineering and Computing in March 2023. For more information, please see <https://sites.asee.org/se/conference/>.

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# 2022 ASEE Southeastern Section Conference Highlights

by [Monika Bubacz](#) on August 26, 2022

The 2022 ASEE-SE Conference was hosted by The Citadel School of Engineering in Charleston, SC. The conference theme was “Educating Principled Engineering Leaders of Tomorrow.” We had a total of 157 conference participants, including 117 faculty and professionals, and 40 students. Participants presented 78 papers during 17 conference sessions, along with 17 student posters.

The conference was supported by the South Carolina Board of Registration for Engineers and Surveyors, local industry and academic partners. 137 Professional Development Hours were earned during the conference by 31 professional engineers, representing 14 states.

I hope you enjoyed the Welcome Reception at the Old Citadel on Sunday, Plenary Session with Imagineering Educator Thomas Riddle, paper sessions, roundtables, student posters, Monday Banquet with John Peeples as Invited Speaker, and awards presented to 7 faculty and 9 students. On behalf of the Conference Planning Committee, I would like to thank everyone for attending the 2022 ASEE-SE Annual Conference at The Citadel in Charleston! Please stop by our campus to say hello if your travels bring you to our area.





## 2022 Conference Highlights - Technical Sessions



## 2022 Conference Highlights - Plenary and Keynote Speakers

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# 2022 ASEE Southeastern Section Awards

At the 2022 Section Conference a number of awards were given for excellence in teaching, research and service to the section:

**Outstanding Teaching Award:** Salil Desai, North Carolina Agricultural and Technical State University

**Outstanding Mid-Career Teaching Award:** Gafar Elamin, The Citadel

**Outstanding New Teacher Award:** Natalia Cardelino, Mercer University

**Tilmans-Dion Section Service Award:** Anna Howard, North Carolina State University

**Thomas C. Evans Engineering Education Paper Award:** Cecelia Wigal, University of Tennessee, Chattanooga

**New Faculty Researcher Award, 1st Place:** Kweku Brown, The Citadel

**New Faculty Researcher Award, 2nd Place:** James Righter, The Citadel

**Outstanding Campus Representative:** Larry Richards, University of Virginia

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## 2022-2023 ASEE Southeastern Section Officers

The ASEE Southeastern Section thrives because of all the work and time that our dedicated officers devote to the success of the section.

<b>Executive Board</b>		
President	Todd Schweisinger	Clemson University
President-Elect	David Calamas	Georgia Southern University
Immediate Past President	Charles "Chuck" Newhouse	Virginia Military Institute
Vice-President (Programs Unit Chair)	Natalia H. Cardelino	Mercer University
Vice-President (Awards and Recognition Unit Chair)	Rami Haddad	Georgia Southern University
Vice-President (Publications and Promotions Unit Chair)	Cecelia Wigal	University of Tennessee at Chattanooga

Treasurer	Monika Bubacz	The Citadel
Secretary	Sally Pardue	Tennessee Tech University
<b>Unit Officers</b>		
<b>Programs Unit</b>		
Chair	Natalia Cardelino	Mercer University
Vice-Chair & Conference Technical Program Chair	Anna Howard	North Carolina State University
Secretary	Simon Ghanat	The Citadel
<b>Awards and Recognition Unit</b>		
Chair	Rami Haddad	Georgia Southern University
Vice-Chair	Beth Todd	University of Alabama
Secretary	MA Karim	Kennesaw State University
<b>Publications and Promotions Unit</b>		
Chair	Cecelia Wigal	University of Tennessee at Chattanooga
Vice-Chair	Kumar Yelamarthi	Tennessee Tech University
Secretary	Chuck Margraves	University of Tennessee at Chattanooga
<b>Appointed Officers</b>		
Paper Management Website Coordinator	Todd Schweisinger	Clemson University
Section Website Coordinator	David Calamas	Georgia Southern University
Newsletter Editor	Priya Goeser	Georgia Southern University
Proceedings Editor	John Brocato	University of Georgia
Campus Representative Coordinator	Kenneth Ball	George Mason University

A complete list of officers can be found at [Officers – ASEE Southeastern Section](#)