

## Computational Acoustics

Computational Acoustics completed its first full year as a Technical Committee, after being promoted from a Technical Specialty Group at the May 2022 meeting in Denver. The CA TC provides a forum for researchers interested in numerical methods, optimization of calculations, benchmarking, and practical application of computational models. Young ASA members and industry are particularly strongly represented on the CA TC.

As a TC, Computational Acoustics now has a full complement of committee representatives: Amanda Hanford for the Technical Program Organization Meeting, Laura Brill for the ASA Standards Committee, Ralph Muehleisen for the Medals and Awards Committee, and Vladimir Ostashev for the Membership Committee. Pravinkumar Ghodake is the Student Representative. Michael Vorländer serves as the CA liaison to the Committee on Industry and Practitioners. Kuangcheng Wu is the *JASA* Coordinating Editor for CA. My three-year term as the CA TC (previously TSG) chair will conclude with the Ottawa meeting in Spring 2024. It's been a great ride, but it is time to find someone else who can push computational acoustics in ASA forward!

CA was the primary sponsor for four special sessions at the Fall 2022 meeting in Nashville: "Physics-Informed Artificial Intelligence/Machine Learning for Acoustics," which was organized by Brandon Lee, Amanda Hanford, and Matthew Blevins, "Numerical Approaches for Complex Media and Geometries" by Z. Charlie Zheng and Keith Wilson, "Learning and Stochastic Modeling in Computational Acoustics" by Pierre Lermusiaux, Wael Ali, and Aaron Charous, and "Finite Difference Time Domain Methods Across Acoustics" by Jennifer Cooper, Michelle Swearingen, and Subha Maruvada.

Five special sessions (a new record for CA!) were sponsored at the Spring 2023 meeting in Chicago: "Real-Time Computing" by Michael Vorländer and Jonas Braasch, "Computational Methods for Modeling Acoustic Damping" by Kuangcheng Wu and Sue Sung, "Wind Acoustics" by Gregory Lyons, Keith Wilson, "Boundary Conditions Across Acoustics" by Jennifer Cooper and Michelle Swearingen, and "Showcases of HPC Across Acoustics" by Kuangcheng Wu and Ralph Muehleisen.

CA also held its Early Career Presenter award competition at the Nashville and Denver meeting. Three awards of up to \$250 are made. The winners from the Nashville meeting were Maia Gatlin, Aaron Charous, and Meydan Kaplan; for the Chicago meeting, Jacob Honer, Daniele Mirabilli, and Philipp Schäfer took the prizes. We'd like to thank all of the students who participated. The consistently outstanding quality of the presentations made the judges' decisions especially difficult!

Please join us at one of our upcoming TC open meetings in Sydney and Ottawa. The CA TC welcomes participation from all members of the ASA interested in computational acoustics. In particular, we are eager for new ideas on special sessions, collaborative code development and repositories, and benchmarking and validation.

D. KEITH WILSON  
Chair, 2021–2024