

Computational Acoustics

The Computational Acoustics Technical Specialty Group hit its stride in 2020, as it entered its second full year. The CA TSG, which was approved at the Minneapolis meeting in Spring of 2018, provides a forum for researchers interested in numerical methods, optimization of calculations, benchmarking, and practical application of computational models. Additional information on the formation and purpose of the TSG can be found in the *Acoustics Today* “Sound Perspectives” article (<https://acousticstoday.org/technical-specialty-group-report-computational-acoustics-d-keith-wilson/>).

The CA TSG met officially, for the third time, at the ASA Fall 2019 meeting in San Diego, with 46 attendees. The TSG took the lead in sponsoring two special sessions in San Diego: “Application of Model Reduction in Computational Acoustics” (joint with SA and SP, organized by K. Wu and K. Wilson), and “Parabolic Equation Methods Across Acoustics” (joint with 5 other TCs and organized by J. Cooper, M. Swearingen, and S. Maruvada). The TSG also held its first general session of contributed papers in San Diego (co-chairs J. Cooper and M. Morgan). The CA TSG co-sponsored 10 other special sessions, perhaps illustrating the ubiquity of computation in contemporary acoustics.

Due to the cancellation of the ASA Spring 2020 meeting in Chicago, we held a virtual TSG meeting, with a very healthy attendance of 53. We had planned four exciting special sessions for Chicago, which were organized by Anthony Bonomo, Jennifer Cooper, Benjamin Goldsberry, Micah Shepherd, Shung (Sue) Sung, Michelle Swearingen, and Kuangcheng Wu. Hopefully these sessions will all make an appearance at a future meeting. Steffen Marburg and I had also worked on a special session for the Cancun meeting.

I had the privilege of attending the International Congress on Acoustics in Aachen, Germany, in Sept. 2019, where I was able to join a meeting of the European Acoustics Association’s Computational Acoustics TC, chaired by Maarten Hornikx. We hope to build connections between the groups in areas such as software repositories and code benchmarking.

The CA TSG chair is particularly grateful to Jennifer Cooper for continuing to serve so capably as the CA TPOM representative through all the challenges of the past year. Jennifer, Ralph Muehleisen, and Laura Brill helped to ready the TSG to hold its first Young Presenter award competition, for the Fall 2020 meeting.

Computational Acoustics now has a full cadre of editors involved in all ASA publications: Kuangcheng Wu is the CA Coordinating Editor for *JASA*; John B. Fahnlne, Nail A. Gumerov, Ying-Tsong Lin, Assad Oberai, and Nickolas Vlahopoulos serve as the Associate Editors for *JASA*; Vlahopoulos and D. Keith Wilson are AEs for *JASA Express Letters*; and Matthew Blevins and Amanda Hanford are AEs for *POMA*.

The CA TSG looks forward to welcoming new members and expanding its activities during the coming year, whether virtually or in person. More than ever, we value the bonds of research and friendship provided by the ASA.

D. KEITH WILSON
Chair, 2018–2021