

Virtual Presentation Day – Friday 27-Nov-2020**Acoustics Technology Group (ACT)****Centre for Acoustic-Mechanical Microsystems (CAMM)**Zoom link: [secure DTU Zoom link](#)Video link: <https://video.dtu.dk/channel/channelid/369887>**Agenda**

The Acoustics Technology Group and the Centre for Acoustic-Mechanical Microsystems welcome all colleagues and guest to our joint Virtual Presentation Day. During this day we have scheduled multiple sessions for presenting research results and ideas from our various projects. Each session will have five short live presentations and plenary Q&A in slots of 10 minutes, followed by free discussion with each presenter in a breakout room. We will take a break for lunch and open this time for general networking. In addition to the live session, we have uploaded several presentations as longer pre-recorded videos for everyone to watch before or after the Presentation Day.

Session Schedule 27-Nov-2020

- 10:00 – 10:10h Welcome by Finn T. Agerkvist and Frieder Lucklum
- 10:10 – 11:00h Session 1 – Sound Fields and Room Acoustics
- 10:10h 1A: Samuel A. V. Riezu: “Reconstruction of intensity flows from acousto-optic measurements”
 - 10:20h 1B: Hermes S. Llopis: “Reduced basis modelling for real-time wave-based virtual acoustics”
 - 10:30h 1C: Finnur K. Pind Jörgensson: “Accurate modeling of BCs in wave-based virtual acoustics”
 - 10:40h 1D: Nikolas Borrel-Jensen: “Determining the JND cross-over frequencies for room acoustics”
 - 10:50h Breakout discussions
- 11:00 – 12:00h Session 2 – Loudspeakers and Microphones
- 11:00h 2A: Daniel G. Nielsen: “Optimization of loudspeakers”
 - 11:10h 2B: Georgios Printezis: “Project Intro: MEMS Microphones in Hearing Aids”
 - 11:20h 2C: Peter R. Andersen: “Acoustic Shape Optimization in 3D”
 - 11:30h 2D: Mikkel P. Schmitt: “Project Intro: Efficient BEM with viscous and thermal losses”
 - 11:40h 2E: Daniel Plewe: “A model based remote microphone technique for active noise control”
 - 11:50h Breakout discussions
- 12:00 – 13:00h Lunch break and open networking
- 13:00 – 14:00h Session 3 – Art, Sound, and Teaching
- 13:00h 3A: Franz M. Heuchel: “Sam-klang: An art/technology installation inspired by Ørsted”
 - 13:10h 3B: Greta Ö. Wistbacka: “Communication – a challenge in late working life”
 - 13:20h 3C: Jakob N. Wincentz: “Subjective assessment and objective parameters of music spaces”
 - 13:30h 3D: Frieder Lucklum: “Course: Microacoustic Transducers and Systems in 2020”
 - 13:40h 3E: Aminul Islam: “Course: Micro Product Design Development and Production in 2020”
 - 13:50h Breakout discussions
- 14:00 – 15:00h Session 4 – Manufacturing and (Meta) Materials
- 14:00h 4A: Anna H. Danielak: “Characterization of photopolymer resin used in hearing aid shells”
 - 14:10h 4B: Yauheni Belahurau: “Project Intro: Phononic-fluidic sensor systems”
 - 14:20h 4C: Diana M. G. Agudelo: “Angle-dependent behavior of infinite periodic surfaces of resonators”
 - 14:30h 4D: Javier Hernan Vazquez: “Optimization of acoustic metamaterial designs”
 - 14:40h 4E: Md. A. S. Sujon: “Intro: New composites for advanced acoustic-mechanical applications”
 - 14:50h Breakout discussions
- 15:00 – 15:30h Closing remarks and open networking

Privacy Information

Due the COVID-19 pandemic, this event will be held online using Zoom. DTU Zoom is run on a dedicated service provided by DeiC, DTU's partner for e-infrastructure, from local servers in the Nordic region and at DTU. No personal information is transmitted outside of this service.

Presenters

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