

Acoustic Technology

Presentation day

Time: Monday June 20th 2022, 9.30 – 15.00,
 Place: DTU (auditorium to be announced later) Or Zoom
 (<https://dtudk.zoom.us/j/62958923818?pwd=UHdoWVVISXpINkYvalBtMitxTEE3dz09>)

Program

9.30-9.45	<i>Coffee</i>	
9.45-10.00	Welcome	Finn Agerkvist / Frieder Lucklum
10.00-10.15	Optimal sensor placement for sound field reconstruction	Samuel Verburg
10.15-10.30	Reconstruction of Room Impulse Responses over an Extended Spatial Domain	Antonio Figueroa Duran
10.30-10.45	Designing filters for sound field control: a review of methods	Pierangelo Libianchi
10.45-11.00	<i>Coffee</i>	
11.00-11.15	Transitioning architectural acoustics to support sustainable buildings using stone wool based solutions	Monica Ballesteros Villareal
11.15-11.30	Extending the angle range of high absorption of metasurfaces by adding a multilayered medium	Diana Garza Agudelo
11.30-11.45	Development and optimization of phononic-fluidic systems	Yauheni Belahurau
11.45-12.00	Application of shape optimization for compact loudspeaker design	Peter Andersen
12.00-13.00	<i>Lunch break</i>	
13.00-13.15	Noise pollution in cities – Influence of meteorological effects on sound propagation	Sophia Feriani
13.15-13.30	Speaker's comfort in simulated acoustic environments	Greta Wistbacka
13.30-13.45	Towards large-scale viscothermal BEM	Mikkel Paltorp Schmitt
13.45-14.00	Reduced basis methods for virtual acoustic simulations	Hermes Sampedro Llopis
14.00-14.15	<i>Coffee</i>	
14.15-14.30	Parameter estimation for loudspeaker models	Franz Heuchel
14.30-14.45	Deep neural networks for room impulse response interpolation	Xenofon Karakonstantis
14.45-15.00	Machine learning-based room acoustics using flow maps and physics-informed neural networks	Nikolas Borrel-Jensen
15.00	<i>Closing remarks</i>	Finn Agerkvist

To attend the meeting at DTU please signup via email to susand@elektro.dtu.dk (before 15/6)