

Acoustic Technology

Presentation day

Time: Wednesday June 23th 2021, 9.30 – 15.00, Place: Zoom

Program

9.30-9.40	Welcome	Finn Agerkvist
9.40-9.55	Probabilistic time domain reconstruction of room impulse responses from spatially distributed measurements	Diego Caviedes Nozal
9.55-10.10	Optimal sensor placement for sound field reconstruction in enclosures	Samuel Verburg
10.10-10.25	Spatial interpolation of sound fields using learned local functions	Manuel Hahmann
10.25-10.45	<i>Break (out room discussions)</i>	
10.45-11.00	Sound field reconstruction with deep generative models	Xenofon Karakonstantis
11.00-11.15	A practical approach to sound field control using the conjugate gradient least square method	Pierangelo Libianchi
11.15-11.30	Development of 3D Phononic-Fluidic Systems for Liquid Mixture Analysis	Yauheni Belahurau
11.30-11.45	New PhD projects at CAMM	Birgitte Bække/Georgios Printezis/Frieder Lucklum
11.45-12.05	<i>Break (out room discussions)</i>	
12.05-12.45	Lunch break	
12.45-13.00	Model order reduction for room acoustic simulations with parametrized boundaries	Hermes Sampedro Lopis
13.00-13.15	Virtual Acoustics: Modeling dynamic scenes using Physics-Informed Neural Networks	Nikolas Borrel-Jensen
13.15-13.30	Optimization of an absorbing surface with 2D Helmholtz resonators for reduced sensitivity to the incidence angle.	Diana Garza Agudelo
13.30-13.50	<i>Break (out room discussions)</i>	
13.50-14.05	Metamaterials for increased sound insulation	Javier Hernan Vazquez
14.05-14.20	3D shape optimization of loudspeakers	Peter Andersen
14.20-14.35	Reduced Order Models for the Boundary Element Method	Mikkel Paltorp Schmitt
14.35-15.00	<i>Closing remarks + Break (out room discussions)</i>	

Please register online before the event using this link:

<https://dtudk.zoom.us/meeting/register/u5YucuCvqz8oHNeOck01i-qOu3ywt7DRHDxB>