

Seminar on Absorption and Reverberation Chamber Acoustics DTU Acoustic Technology

Time: Monday July 9th and Tuesday July 10th 2018, 10:00 – 16:00

Place: Building 352, Room 019, DTU Campus

Program

Monday July 9th		
10:00-10:30	Coffee	
10:30-10:45	Welcome	M. Nolan and C-H. Jeong (DTU)
10:45-11:00	Presentation of Acoustic Technology	F. Agerkvist and E. Fernandez Grande (DTU)
11:00-11:20	Difficulties in comparing diffuse sound field measures and data/code sharing for future collaboration	C-H. Jeong (DTU)
11:20-11:40	Calculating decay times from multiple sloped energy decay curves	J. Balint, TU Graz, Austria
11:40-12:00	Room acoustic design in practice	E. Nilsson, SG Ecophon AB, Sweden
12:00-13:00	Lunch	
13:00-13:20	Design evolution of new reverberation chamber at Rockwool	M. Bolberg, Rockwool, Denmark
13:20-13:40	Measurement in reverberation room according to the reverberation time in real space	E. Ipsen, Knauf Danoline, Denmark
13:40-15:00	Tour of the lab facilities	E. Fernandez Grande, G. Marbjerg and C-H. Jeong
15:00-15:30	Coffee and cake	
15:30-16:00	Discussion	

Tuesday July 10th		
10:00-10:30	Coffee	
10:30-10:50	On Thomasson's radiation impedance model	J. Brunskog (DTU)
10:50-11:10	Effect of altering the test object configuration in measurements of the absorption area according to ISO 354	D. Glebe, RISE, Sweden
11:10-11:30	ISO 354: presentation of the new draft	M. Vercammen, PEUTZ, The Netherlands
11:30-12:00	Discussion	
12:00-13:00	Lunch	
13:00-13:20	The directional energy decay curve in reverberation rooms	M. Berzborn, ITA Aachen, Germany
13:20-13:40	Characterizing sound field diffusion based on array processing	M. Nolan (DTU)
13:40-14:00	Estimation of surface impedance at oblique incidence based on sparse array processing	A. Richard and E. Fernandez-Grande (DTU)
14:00-14:30	Discussion and wrap up	
14:30-15:00	Coffee and cake	

We are looking forward to seeing you all!

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