# **BNAM 2018**

### Detailed program

	Friday 13.04		
	Centerhotel Plaza		
09:00 - 17:30	Master Class, Sound Insulation in Buildings with Jens Holger Rindel (registration closed)		
	Saturday 14.04		
	Centerhotel Plaza		
09:00 - 17:30	Master Class, Sound Insulation in Buildings with Jens Holger Rindel (registration closed)		
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	Sunday 15.04		
09:00 - 18:00 18:00	Golden Circle Trip (optional registration) Departure at 9 AM from Harpa – Return at around 18 PM to Harpa		
	Registration for BNAM 2018 opens in Harpa, Norðurbryggja		
19:00	Tour of Harpa Concert Hall (optional registration)		

## Monday 16.04

09:00	Registration and exhibition setup at Harpa, Norðurbryggja		
	Kaldalón		
10:00	Opening		
10:10	Keynote: Birgit Rasmussen Building acoustic regulations in Europe – Brief history and actual situation		
10:50	Coffee		
	Kaldalón	Ríma	
	Musical acoustics, hearing, and acoustic communication	Acoustic descriptors, regulations and classification, measurement and calculation methods – Present and future	
11:10	The effect of speaking rate and vowel quantity on the perception of voice-onset-time in Icelandic Jörgen Pind	Estimation of residential noise levels due to service equipment Giovanni Hawkins	
11:30	Evaluation of supra-threshold hearing following an event of recreational acoustic exposure Pernille Holtegaard	Combination rooms for acoustic and energy measurements Birger Bech Jessen	
11:50	Effects of musical training and hearing loss on pitch discrimination Sébastien Santurette	Just noticeable difference of rubber ball impact sound Jeong-Ho Jeong	
12:10	Lunch and exhibition opening		
13:10	Piano Music Performance Analyses; Technologies and Examples Jan Tro	Revision of acoustic and vibration classification standards in Norway liris Turunen-Rindel	
13:30	Octave stretching phenomenon with complex tones Jukka Pätynen	Suggested acoustical requirements for restaurants, canteens, and cafeterias Jens Holger Rindel	
13:50	Low Frequency Control Merlijn van Veen		
	Young Acousticians Network	Workshop 14:00 – 16:30 Acoustic regulations and classification for new-build and renovation	
14:10	New techniques for building acoustics Jens Holger Rindel	Workshop case 1: Are the sound insulation demands in new dwellings too strict? Steindór Guðmundsson	
14:30	From ultrasound surgery to HRTFs – acoustic simulations as a career Tomi Huttunen	Workshop case 2: The acoustic transformation of school halls in Icelandic primary schools Ragnar Viðarsson and Arnheiður Bjarnadóttir	
14:50	Coffee		
15:10	Young Acousticians Network – Round table	Workshop (continued)	
-	Dealing with the increasing demand for acoustics graduates in industry and academia	Acoustic regulations and classification for new-build and renovation	
16:30		National input and discussion	

## **Tuesday 17.04**

	Kaldalón			
09:00	Keynote: Marco Paviotti			
09.00	Next EU actions to tackle environmental noise			
	Kaldalón	Ríma		
	Hospital Acoustics	Duct acoustics / aeroacoustics		
09:40	Noise and room acoustic conditions in a tertiary referral hospital in Seoul, Korea - Cheol-Ho Jeong	Acoustic source characterization of miniature pumps - Mikael Karlsson		
10:00	Analysis of room acoustics in Danish Hospitals - Ida Ørduk Hoffmann	The effect of grazing mean flow on the acoustic properties of perforates as used in mufflers and acoustic liners - Hans Bodén		
10:20	Room acoustics of Finnish hospitals - measurements, recommendations and sound samples - Jyrki Kilpikari	Micro-perforates for duct noise control - Mats Åbom		
10:40	Coffee			
11:00	Acoustic model for evaluation of hospital rooms with absorbent ceilings - Mai-Britt Beldam	The effect of high level acoustic excitation on the acoustic properties of perforates as used in mufflers and acoustic liners - Hans Bodén		
	Sound absorbers used in pre-fabricated operating room modules - Maria Quinn	Computational acoustics (simulation and auralisation)		
11:20		Noise auralisation challenges in web and augmented reality applications - Marko Antila		
11:40	Acoustical design criteria for hospitals - Olli Salmensaari	Simplified models for acoustic screens - Mathieu Gaborit		
12:00	Sound insulation requirements for new psychiatric hospital building at Tønsberg hospital - Vemund Thorød	A cavity-wall element for Statistical Energy Analysis sound transmission through double-wall structures - Svante Finnveden		
12:20	Li	unch		
	Kaldalón			
	Keynote: Con	stantin Coussios		
13:20	Shaken and Stirred: Therapeutic Applications of Acoustic Nanobubbles			
	Kaldalón	Ríma		
	Environmental noise and outdoor noise propagation	Computational acoustics (simulation and auralisation)		
14:00	Air Traffic Management and Noise Mats Åbom	Acoustic Virtual Reality - Finnur Pind		
14:20	<u> </u>	Acoustics for enhanced comfort and productivity in rooms Acoustic design of open plan offices and comparison of requirements in the Nordic countries - Claus Møller		
	metro lines Atle Stensland	Petersen		
14:40	Tram noise monitoring Sigmund Olafsen	Acoustics of Open-Plan Schools Janne Saarelainen		
15:00	Co	offee		
15:20	Sound fields in narrow street canyons with noise from trams Oskar Andreas Sivertsen	Acoustical design of new headquarters; office and warehouse - Ólafur Daníelsson		
15:40	Modeling and abatement of ground-borne noise of a new underground rail line Henri Penttinen	The cost effects of acoustics in an open-plan office - Joni Kemppainen		
16:00	Beyond quantitative metrics in urban acoustic design Arnþrúður Gísladóttir Acoustic and socioeconomic parameters as predictors	Room- and electro-acoustic design for a club size performance space - Henrik Möller		
16:20	of wind turbine noise annoyance  Dag Glebe			
16:40	Same infrasound levels near wind turbines than in urban environment? Panu Maijala			

## Wednesday 18.04

	Ríma		
09:00	Keynote: Gunnar Alexander Ólafsson Noise in Iceland – Current situations and challenges		
09:30	Coffee		
	Ríma A	Ríma B	
	Environmental noise and outdoor noise propagation	Sound insulation, how to fulfil strict requirements in new and old buildings; experience with new building methods	
09:50	Emitted noise in harbors – Effect of shore power Bernt Mikal Larsen	Practical considerations for good low frequency sound insulation in refurbished houses Bo Gärdhagen	
10:10	Dwellings in harbour areas Liisa Kilpilehto	Low frequency sound insulation (8-200Hz) – mapping and improvement of existing houses Claus Møller Petersen	
10:30	Detailed method for determining the sound power level from a motorsport track Annelin Enggard	An engineering method for the calculation of impact sound insulation of wooden floor constructions Pekka Latvanne	
10:50	Long term measurements of highway traffic noise Truls Klami	Nail Laminated Timber for Mass Timber Residential Constructions Jeffrey Mahn	
11:10	NordTyre - the potential for noise reduction using less noisy tyres and road surfaces Hans Bendtsen	Evaluation of the acoustic performance of a CLT floor in a wide frequency range Krister Larsson	
11:30	Efficient sound barrier calculations with the BEM Peter Møller Juhl	Sound insulation of CLT constructions, experience and new requirements Halldór Júlíusson	
11:50	Closing		