BNAM 2024, May 22-24, Hanasaari, Espoo						
	Wednesday 22.5.2024					
		Celsius		Kullager		
8:50	OPENING					
9:10	Steindór Gudmundsson (Keynote)	Acoustic regulations and quality classes Experience from over 35 years of collaboration in the nordic countries				
	Room Acoustics, Chair: Henrik Möller, Bård Støfringsdal, Tapio Lokki industrial noise, Chairs: Laimonas Ratko Mironovs					
9:50	Marko Horvat and Kristian Jambrošić	Acoustic intervention in the French pavilion of the Student Centre in Zagreb as a protected cultural heritage building	Jarkko Keinänen, Olli Malmi, Kari Saine, Claus Paro and Aki Kinnunen	Dynamic properties of wire rope and rubber isolators at high frequency range in engine isolation		
10:10	Yann Jurkiewicz, Vincent Berrier and Eckhard Kahle	Turku Fuuga – Acoustic Design of an Intimate and Immersive Concert Hall	Daudel Tchatat Ngaha and Kjell Eivind Frøysa	Effects of non-uniform flow on a sound field generated by a finite-size uniform piston		
10:30	coffee	Tetra	coffee	Tetra		
10:50	coffee	Tetra	coffee	Tetra		
11:10	Octávio Inácio, Filipe Martins and Daniel José	Finite-difference time domain calculations of acoustic phenomena applied to concert hall design	Kari Saine, Antti Leskinen, Tero Korhonen, Roy Hjort and Zengxin Gao	Advanced method for workplace noise analysis		
11:30	Ólafur Pjetursson, Finnur Pind and Cheol-Ho Jeong	New Opportunities in Room Acoustics Simulations Using Wave Based Technology	Christian Bergfjord Mørck, Helene Gabriella Axelsson, Nicolas Sogge and Ingunn Milford	Comparison of results from road noise measurements and road noise calculation methods		
11:50	Henrik Möller, Jukka Pätynen and Sami Reina	Renovating the Encore hall using electro- acoustic enhancement systems	Johan Hallimäe	A city designed using sound - A tool to make spatial decisions		
12:10	Lukasz Blasinski and Jedrzej Kocinski	The perception of reverberation length in concert halls with an Reverberation Enhancement System (RES)	Laimonas Ratkevičius and Steve Mitchell	Aircraft noise modelling with AEDT		

	W (D ((E ! I M) T (
12:30	Matias Remes and Perttu	Renovation of Finnish Modern Theatres –	Unto K. Laine	Magneto-acoustic triangulation	
	Korhonen	Acousticians' Experiences from the Past 10		method for electric discharge	
		Years		localization in the atmosphere	
12:50	John O'Keefe	Applications of a Zone to Zone Reflector	Mikko Kylliäinen	Finnish acoustician Paavo Ami	
		Optimisation Routine		(1905–1969)	
13:10	lunch	Restaurant (2nd floor)	lunch	Restaurant (2nd floor)	
13:30	lunch	Restaurant (2nd floor)	lunch	Restaurant (2nd floor)	
13:50	lunch	Restaurant (2nd floor)	lunch	Restaurant (2nd floor)	
14:10	Jens Holger Rindel	Room acoustic measurement methods in			
	(Keynote)	the past, present and future, including the			
		importance of the ISO 3382 series			
14:50	Henrik Möller and Łukasz	Room acoustic measurements in halls with	Jukka Pätynen, Python Workshop		
	Błasiński	electro-acoustic enhancement systems		·	
15:10	Petri Lehto, Henrik Möller	Fine tuning of the Sibelius hall stage acoustics			
	and Jukka Pätynen				
15:30	Jorge Torres and Mattias	Temperature effects on ice rink sports halls			
	Hill				
15:50	coffee	Tetra	coffee	Tetra	
16:10	coffee	Tetra	coffee	Tetra	
16:30	Anatoly Livshits,	Assessment of the influence of the method of	Jukka Pätynen, Python W	orkshop continues	
	Aleksander Fadeef and	fastening decorative and finishing panels on			
	Natalia Shirgina	the fund of low-frequency sound absorption in			
		a concert hall			
16:50	Simen Helbæk Kjølberg	Sound Levels at a Clarinetist's Ears During			
		Solitary Practice			
17:10	Andrzej Klosak	Polish National Television production studios:			
		acoustic design and performance			

Thursday 23.5.2024					
		Celsius		Kullager	Blixtlås
		ns and classification in the Nordic and Baltic smussen, Tønnes A. Ognedal	Workshops		Workshops
8:30	Countries, Chairs. Diffic Na.	Sinussen, Tylines A. Ognedar	Claus Lynç	ge Christensen: ODEON	Torbjörn Kloow, Kari
	Birgit Rasmussen and Claus Møller Petersen	Compliance procedures for sound insulation between dwellings in new housing – Rules according to Danish regulations & Experiences from practice			Pesonen: Dosimeter Workshop
9:10	Manu Rönkkö and Liisa Kilpilehto	Outdoor event noise levels and limits			
9:30	Birgit Rasmussen, Liisa Sell and Lars Sommer Søndergaard	Field tests of low noise levels from MVHR ventilation systems – Overview obstacles and pilot test of test procedure improvement			
9:50	Hassan Al-Ramadani	Acoustics in green buildings			
10:10	Mikko Kylliäinen, Simo Laitakari, Timo Huhtala, Matias Remes, Pekka Taina, Johannes Usano, Ville Veijanen, Janne Hautsalo and Oskar Lindfors	Revised Finnish standard SFS 5907:2022 on acoustical design and quality classes of buildings			
10:30	coffee	Tetra	coffee	Tetra	
10:50	coffee	Tetra	coffee	Tetra	
11:10	coffee	Tetra		. Ognedal: Building acoustic regulations	
	Field measurements of Room acoustic parameters – Control measurements, Chairs: Mads Bollberg, Magne Skålevik		and classification workshop		
11:30	Karin Norén-Cosgriff and Jörgen Johansson	NS8141 vibration from construction activities. News in the Standards and the research			

11:50	Deniss Mironovs and Olivers Tarvids	Immersive sound system showroom acoustical design in existing industrial premises			
_	Maria Quinn and Anne Pollet	Acoustics in a modular operating theatre			
12:30	Mads Bolberg and Ingvar Jónsson	Case study: Effect of furniture in reverberation time measurements			
12:50	Mads Bolberg and Ingvar Jónsson	Repairs on rendered sound absorptive ceilings and the effect on their acoustic performance			
13:10	lunch	Restaurant (2nd floor)	lunch	Restaurant (2nd floor)	
13:30	lunch	Restaurant (2nd floor)	lunch	Restaurant (2nd floor)	
13:50	lunch	Restaurant (2nd floor)	lunch	Restaurant (2nd floor)	
	Tønnes A. Ognedal (Keynote)	Acoustic properties to be included with new development of housing sales reports?			
		om acoustic parameters – Control ads Bollberg, Magne Skålevik	Workshops		
14:50	Christina Kjær, Cheol-Ho Jeong and Christer Volk	Perceptual Evaluation of Room Acoustic Simulation and Measurements	Patrick Grahn: COMSOL workshop		
15:10	Łukasz Błasiński and Jędrzej Kociński	Subjective localisation of a sound source in immersive sound system and stereophonic loudspeakers system			BUS TOUR,
	Henrik Möller and Jukka Pätynen	Spatial acoustic measurements in concert halls with a reduced virtual orchestra			SOUNDSCA PE
15:50	coffee	Tetra	coffee	Tetra	EXHIBITION
16:10	coffee	Tetra	coffee	Tetra	"
16:30	Thomas Rittenschober and Mikko Halonen	Robust 3D Localisation of Anomalies in the Reverbaration Time Signal	Patrick Grahn:	COMSOL workshop continues	
	Vibration in infrastructure,	Chair: Mats Heikkinen			

	Minna Santaholma, Mats Heikkinen, Timo Peltonen, Jukka Pätynen and Lauri Vapalahti	Optimising Railway Track Vibration Isolation by Matching Ground-Borne Noise Level Data to Train Location in a Tunnel		Torbjörn Kloow, Kari Pesonen: Dosimeter
17:10	Pekka Taina, Vesa Vähäkuopus and Jarkko Punnonen	Pile supported slab mitigating vibration under and next to a railway line		Workshop
	Dinner, arriving from 18.00, start at 19.00	Vanha Ylioppilastalo, Helsinki	Dinner Vanha Ylioppilastalo, Helsinki	

		Friday 24.5.2024			
		Celsius	Kullager		
	lealth effects of noise, Chair: Valtteri Hongisto, Maria Quinn		Workshops		
8:30	Magne Skålevik	Sound levels in symphony orchestras			
8:50	Valtteri Hongisto, Jukka		Finnur Pind: TREBLE, room	acoustics modeling workshop	
	Keränen and Jenni Radun	on performance, stress, and experience in work context			
9:10	Antti Kuusinen and Valtteri Hongisto	Best descriptors for predicting noise annoyance and spectrum-based penalty of steady-state wideband noise			
9:30	Lars Bramsløw	An auditory loudness model with hearing loss			
9:50	Valtteri Hongisto, Henna Maula and Jenni Radun	Stress effects of impulsive noise - a laboratory experiment			
10:10	Veronica Amodeo, Simone Secchi and Luca Marzi	Acoustic comfort assessment in hospital wards: measuring procedures and parameters			
10:30	Valtteri Hongisto, Reijo Alakoivu, Antti Kuusinen and Jukka Keränen	Psychoacoustic experiment in BNAM 2024 conference			
10:50	coffee	Tetra	coffee	Tetra	
11:10	coffee	Tetra	coffee	Tetra	
11:30	Klas Hagberg (Keynote)	Sustainable wooden buildings			
		opportunities for good indoor acoustics			
	Building acoustics and nois	e from service equipment in buildings:	Workshops		
	<u> </u>	d measurements, Chair: Johannes Usano			
12:10	Ville Kovalainen, Jesse Lietzén, Benjamin Oksanen and Giovanni Hawkins	Structure-borne vibration generated by a pallet jack exiting a service elevator	TBA: SoundPLAN workshop		
	Jukka Keränen, Valtteri Hongisto and Giovanni Hawkins	Survey measurement of impact sound insulation of concrete walls			
12:50	Mikko Mantri Roininen, Oskar Lindfors and Mats Heikkinen	Gymnasium activity noise in residential and educational buildings			

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14:10	Archil Cheghelidze, Nikoloz Tchegelidze and Henrik Möller	Acoustic design of Hotels - Comparison between different hotel brand acoustic requirements	Johan Hallimäe: Rhino/Gras	sshopper workshop
14:30	Jose Cucharero, Kari Kammiovirta, Marko Makkonen, Tuomas Hänninen and Tapio Lokki	The end justifies the means – Sprayed soundabsorbing coating on non-acoustic materials.		
14:50	Johannes Usano and Joona Koskimäki	Structure borne noise emitted by building service equipment: laboratory measurements and modelling		
	Wooden buildings, Chair: K	Clas Hagberg, Alain Bradette		
15:10	Paulo Pinto, Marina Rodrigues and Reinhilde Lanoye	Harmonizing sustainability & acoustics: challenges in mass timber construction		
15:30	Paola Brugnara, Alice Speranza, Luca Barbaresi, Chiara Trucchi and Vincenzo Pettoni Possenti	Improving sound transmission in timber buildings: the role of flexible interlayers		
15:50	Jesse Lietzén, Ville Kovalainen, Mikko Kylliäinen and Sami Pajunen	FEM-based simulation procedure to predict impact sound insulation of a timber floor		
16:10	Closing			