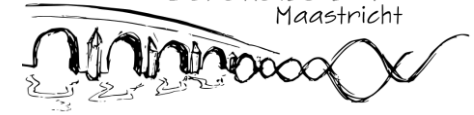
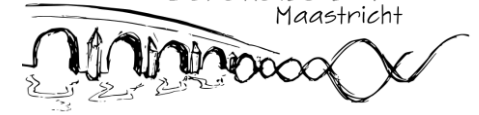


Monday, June 1st

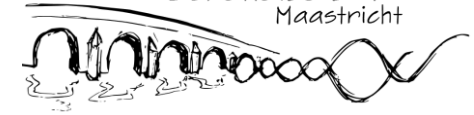
	Auditorium 2 (592)	0.1 London (90)	0.2 Berlin (90)	0.3 Copenhagen (49)	0.4 Brussels (189)	0.6 Madrid (49)	0.7 Lisbon (47)	0.8 Rome (118)	0.9 Athens (118)
9:00	Opening								
9:40	Plenary lecture: Listening Plenary Lecture: Sound and Safe: A History of Listening Behind the Wheel <i>K. Bijsterveld</i>								
10:30									
11:00	Acoustical aspects of timber structures Improvement of airborne	ICA meeting	Noise Barriers Japanese experience to reduce road traffic noise	Techniques for virtual acoustics Acoustic Source Localisation	Non auditory health effects of noise Does the Exposure to Aircraft Noise	Wind turbine noise: Human impact/Guidelines Annoyance potential of	Time domain modelling Non linear N wave source impedance model	Standardization, classification and noise labeling A noise label	Room acoustic measurement and predictions Measurement



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	<u>sound insulation of lightweight timber framed walls through prefabricated multilayer wood studs</u> <i>V. Desarnaulds, R. Fecelier</i>		<u>by various noise reducing devices</u> <i>K. Yamamoto</i>	<u>In An Urban Environment Using Early Reflection Information</u> <i>F. Stevens, D. Murphy</i>	<u>Increase the Risk of Hypertension near French Airports?</u> <i>A.-S. Evrard, M. Lefèvre, P. Champelovier, J. Lambert, B. Laumon</i>	<u>wind turbine noise compared to road traffic noise</u> <i>B. Schäffer, S. Schlittmeier, K. Heutschi, M. Brink, R. Graf, R. Pieren, J. Hellbrück</i>	<i>D.K. Singh</i>	<u>for motor vehicles: quieter traffic</u> <i>J. Sliggers</i>	<u>of 3D Room Impulse Responses with a Spherical Microphone Array</u> <i>J.-J. Embrechts</i>
11:20	<u>SEA based prediction for integrated vibro-acoustical design optimization of multi-storey buildings</u> <i>A. Rabold, M. Schramm, C. Châteauevieux-Hellwig</i>		<u>The project for noise barriers and others NRD for transport infrastructure s: An overall vision and implementation on experience in the countries of southern Europe</u> <i>D.M. Alegre</i>	<u>Physical Properties of Local Wave Field Synthesis using Circular Loudspeaker Arrays</u> <i>F. Winter, S. Spors</i>	<u>The Relationship between Exposure to Traffic Noise and Resting Blood Pressure in Children and Adolescents from Belgrade</u> <i>G. Belojevic, J. Ilic-Zivojinovic, K. Paunovic, B. Jakovljevic</i>	<u>Low Frequency Noise Proposed Wind Farm in Maastricht, The Netherlands</u> <i>E. Koppen</i>	<u>Radiation of moving sources in time-domain simulations of outdoor sound propagation</u> <i>D. Dagna, P. Blanc-Benon</i>	<u>Sound space for Industrial noise now and in the future</u> <i>R. Bruinsma</i>	<u>A physically-motivated parametric model for compact representation of room impulse responses based on orthonormal basis functions</u> <i>G. Vairetti, T. Van Waterschoot, M. Moonen,</i>



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								<i>M. Catrysse, S.H. Jensen</i>	
11:40	<u>ACA - New Research and Testing Competence for Timber Constructions with a focus on low frequencies in Austria</u> <i>F. Dolezal, H. Müllner, M. Neusser, M. Teibinger</i>		<u>The European standards for noise barriers for roads and railways: state of the art 2015</u> <i>J.-P. Clairbois, M. Garai</i>	<u>Frequency Dependent Absorbing Boundary Implementations in 3D FDTD Room Acoustics Simulations</u> <i>S. Oxnard, D. O'Brien, D. Murphy, J. Van Mourik</i>	<u>Noise and hypotension - potential association and moderation</u> <i>P. Lercher</i>	<u>International Legislation for Wind Turbine Noise</u> <i>E. Koppen, K. Fowler</i>	<u>A hybrid PSTD/DG method to solve the linearized Euler equations</u> <i>R. Pagán Muñoz, M. Hornikx</i>	<u>Community noise: a fundamental ingredient of an environmental health performance indicator (CHERIO)</u> <i>D. Houthuijs, E. Van Kempen, W. Swart, A. Van Beek, F. De Leeuw, A. Dusseldorp, J. Van Engelen, D. De Gruijter, H. Kruize, B. Staatsen</i>	<u>Localization-assisted indoor acoustical data monitoring</u> <i>N. Prodi, A. Conti, F. Lodi, S. Bartoletti, J.S. Dekhordi</i>
12:00	<u>Measurement and calculation of sound transmission</u>		<u>Comparison between laboratory and in-situ methods for</u>	<u>Virtual sound generation by linear modal synthesis based on</u>	<u>Residential exposure to traffic noise and risk for non- Hodgkin</u>	<u>The Influence of Visual Information on Assessment of</u>	<u>Time domain modeling for impulse source localization in</u>	<u>www.noiseineu.eu: New tools to inform the public about</u>	<u>Room impulse response measurement and delay-and-sum</u>

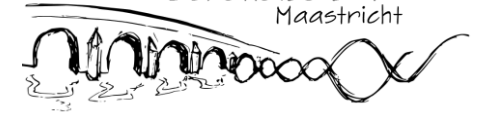


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	<u>across junctions of solid timber building elements</u> <i>S. Mecking, T. Kruse, U. Schanda</i>		<u>measuring sound reflection properties of noise barriers</u> <i>M. Conter, R. Wehr</i>	<u>recorded audio examples</u> <i>I. Muhammad, J.Y. Jeon</i>	<u>lymphoma and chronic lymphoid leukemia in an adult population</u> <i>M. Sørensen, O. Raaschou-Nielsen</i>	<u>Wind Turbine Noise</u> <i>A. Preis, M. Szychowska, H. Hafke-Dys, J. Kocinski</i>	<u>urban environments</u> <i>S. Cheinet, L. Ehrhardt, T. Broglin</i>	<u>environmental noise in cities and to assist decision-making</u> <i>F. Mietlicki, C. Mietlicki, C. Ribeiro, P. Gaudibert, B. Vincent</i>	<u>beamforming, application to room and building acoustics</u> <i>S. Barré</i>
12:20	<u>Flanking Sound Insulation of Timber Walls combined with different Timber Hollow Box Floors</u> <i>C. Geyer, A. Müller, A. Melián Hernández</i>		<u>Optimizing the exponential sine sweep (ESS) signal for in situ measurements on noise barriers</u> <i>M. Garai, P. Guidorzi</i>		<u>Effects of aircraft noise on reading and oral language abilities in German children near Frankfurt/Ma in airport: Results of the NORAH (noise-related annoyance, cognition, and health)-study</u> <i>M. Klatte, J. Spilski, J.</i>	<u>Differences in noise requirements for wind turbines in four European countries</u> <i>E. Nieuwenhuizen, M. Köhl</i>	<u>A Novel Method of Vertical Axis Wind Turbine Noise Prediction</u> <i>J. Botha</i>		<u>A bootstrap estimation of confidence levels in reverberation time measurements at low frequencies</u> <i>D. Pérez Cabo, M.A. Sobreira Seoane, J.R. Fernández Bernárdez</i>

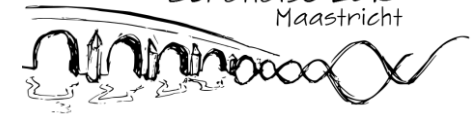
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Plenary
Lecture:
Numerical
Techniques
for Acoustics
and
Vibrations:
Virtual Tools
for Real
Problems
W. Desmet

14:40	<p>Structural acoustics and vibrations</p> <p><u>Replacable building base isolation</u> <i>M. Vanstraelen</i></p>	<p><u>The application of Solar-Noise Barriers for UK highways and their combined benefits for local government, developers and the wider community</u> <i>G. Parker</i></p>	<p>Noise Mapping (incl. CNOSSOS/E U/China)</p> <p><u>Noise mapping State of art - is it just a simple as it looks like - Pitfalls</u> <i>H.J.A. Van Leeuwen,</i></p>	<p><u>Annoyance to transportation noise and risk of physical inactivity</u> <i>M. Foraster, I.C. Eze, D. Vienneau, M. Brink, C. Cajochen, H. Héritier, J.-M. Wunderli, M. Rössli, N. Probst-Hensch</i></p>	<p>Airport noise and its management</p> <p><u>Capri Island helicopter noise control</u> <i>A. Papa, P. Addonizio</i></p>	<p>Computational acoustics / general</p> <p><u>A quasi-potential flow formulation for the prediction of the effect of the circulation on the acoustic shielding from a lifting</u></p>	<p>Local noise policies</p> <p><u>Assessment and Management of Environment Noise in Turkey</u> <i>S. Shilton</i></p>	<p><u>Different radiation impedance models for finite porous absorbers</u> <i>M. Nolan, C.-H. Jeong, J. Brunskog, J. Rodenas, F. Chevillotte, L. Jaouen</i></p>
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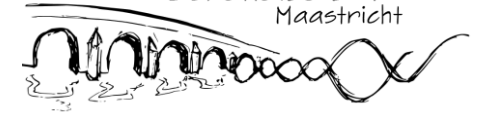


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				<u>S.E.H. Van Banda</u>			<u>body by means of a finite element method</u> <u>S. Mancini, M. Tournour, R.J. Astley, G. Gabard, S. Sinayoko</u>		
15:00	<u>Transmission of Vibroacoustic Energy Through the Structures of a Car Body Into the Protected Area and its Control</u> <u>S. Ziaran, O. Chlebo</u>		<u>Phonobloc® rail track - in-situ tested low noise barriers in platform-design made of concrete</u> <u>G. Lanz, M. Jaksch</u>	<u>A color scheme for the presentation of sound immission in maps: requirements and principles of design</u> <u>B. Weninger</u>	<u>Associations of road traffic noise with mortality and hospital admissions in London</u> <u>J. Halonen, A. Hansell, J. Gulliver, M. Blangiardo, D. Fecht, S. Beevers, R. Anderson, C. Tonne</u>	<u>Assessment of Environmental Noise due to Aircraft Operation at the CORFU International Airport according to the 2002/49/EC Directive and the new Greek National Legislation</u> <u>K. Vogiatzis</u>	<u>Noise Reduction of an Electric Motor by Using a Numerical Model</u> <u>A.A. Uslu</u>	<u>Healthy urban living: integration of noise in other local policy domains</u> <u>M. Weber</u>	<u>Uncertainty in sound diffusion and scattering coefficients measurement</u> <u>A. Pilch, D. Behounek, P. Pawlik, T. Kamisinski, J. Rubacha</u>
15:20	<u>An applied research of seismic and</u>		<u>Acoustic Effect of Drainage</u>	<u>Comparison of German Road Traffic</u>	<u>Health Impact Assessment of</u>	<u>Estimating Variation in Community</u>	<u>Numerical integration methods for</u>	<u>Green urban mobility, much quieter;</u>	<u>Evaluation of a Numerical Method for</u>

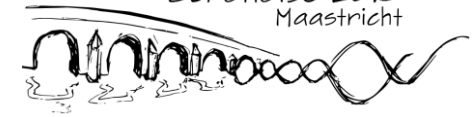


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	<u>vibration resistance of the equipment with assessment of seismic and vibration effects</u> <i>A. Horniaková, J. Kenéz, M. Musil</i>		<u>Gaps in Noise Barriers</u> <i>F. Peeters, W.-J. Van Vliet</i>	<u>Noise Calculation Method to the new Common Noise Assessment Methods</u> <i>J. Müller, W. Bartolomaeus</i>	<u>airport noise on people living nearby six Italian airports</u> <i>C. Ancona, M. Golini, F. Mataloni, D. Camerino, M. Chiusolo, G. Licitra, M. Ottino, S. Pisani, L. Cestari, M.A. Vigotti, M. Davoli, F. Forastiere, I. Sera Study Group</i>	<u>Noise Due to Variation in Aircraft Operations</u> <i>A. Synodinos, R. Self, I. Flindell</i>	<u>the solution of Helmholtz equations with the Wave Based Technique</u> <i>P. Zsifkovits, A. Hepberger, G. Offner</i>	<u>it is not a castle in the air!</u> <i>H. Wolfert, C. Verweijen</i>	<u>Identifying Surface Acoustic Impedances in a Reverberant Room</u> <i>N. Antonello, T. Van Waterschoot, M. Moonen, P. Naylor</i>
15:40	Airborne and Impact sound transmission - measurement methods <u>Building acoustics measurement</u>		coffee	<u>GIS data and noise maps: shall they be INSPIRE compliant?</u> <i>A. Kotsev, S. Kephelopoulos, H. De Groof, A. Abramic, P. Smits, V. Lima</i>	<u>Associations of road traffic noise, blood pressure and heart rate in three harmonized European cohorts</u> <i>W. Zijlema, Y.</i>	<u>A Combined Qualitative/Quantitative Approach to the Design of Noise Annoyance Studies</u> <i>I. Flindell, P. Le Masurier</i>	<u>Simulation of Aerodynamic ally Generated Sound Using Hybrid Aeroacoustic Methods</u> <i>J. Hammar, G. Efraimsson, C.</i>	<u>Extended Cost / benefit analysis for noise control for municipal and provincial roads</u> <i>M. Van De Klundert</i>	<u>Effects of Different Diffusor Types on the Diffusivity in Reverberation Chambers</u> <i>M. Nolan, M. Vercammen, C.-H. Jeong</i>

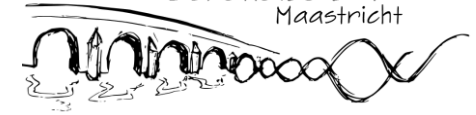
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	<p><u>s: an innovative solution with automatic recognition and optimized workflow</u> <u>E. Aflalo, S. Bloquet, T. Poli</u></p>				<p><u>Cai, D.</u> <u>Doiron, K. De Hoogh, D.</u> <u>Morley, S.</u> <u>Hodgson, H.</u> <u>Kongsgard, K.</u> <u>Hveem, R.</u> <u>Stolk, J.</u> <u>Rosmalen</u></p>		<p><u>O'Reilly</u></p>		
16:00	<p><u>Measurement of flanking sound transmission at low frequencies with a laser doppler vibrometer</u> <u>S. Schoenwald, H.-M. Tröbs, A. Zemp</u></p>			<p><u>The Effectiveness of Quiet Facade on Chinese Residential Layout</u> <u>X. Lu</u></p>	<p><u>Road traffic noise, Air pollution and Cardio-respiratory Health in European Cohorts: a Harmonised Approach in the BioSHaRE Project</u> <u>Y. Cai, M. Blangiardo, K. De Hoogh, J. Gulliver, D. Morley, D. Doiron, P.</u></p>	<p><u>Harmonizing noise abatement and urban development</u> <u>N. Mahler, H. Boegli</u></p>	<p><u>Nonlinear modeling of thermoacoustic systems</u> <u>J.A. De Jong, Y. Wijnant, A. De Boer</u></p>	<p><u>DYNAMAP: a new approach to real-time noise mapping</u> <u>G. Zambon, R. Benocci, A. Bisceglie</u></p>	<p><u>Overhead stage canopies - case studies</u> <u>T. Kamisinski, A. Szelag, A. Pilch, K. Brawata, J. Rubacha</u></p>



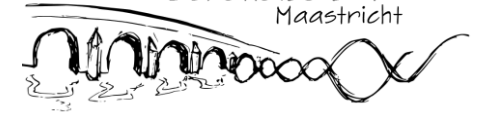
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					<u>Elliott, A.</u> <u>Hansell, S.</u> <u>Hodgson</u>				
16:20	<u>Measurement of the dynamic stiffness of porous materials taking into account their airflow resistivity</u> <u>C. Crispin, C. Mertens, B. Ingelaere</u>		Computation al acoustics for offshore pile driving noise	<u>Application of Noise Mapping in Environmental Noise Management in Hangzhou, China</u> <u>B. Zhang, W. Hu, R. Wu, L. Liu, J. Yang</u>	Annoyance & health effects of vibration & combined exposures	coffee	coffee	coffee	<u>Simulation of Diffractions and Reflections of arbitrary order with the Sound Particle Diffraction Model based on the Uncertainty Relation</u> <u>S. Weigand, A. Pohl, U. Stephenson</u>
			<u>Numerical determination of equivalent damping parameters for a finite element model to predict the underwater noise due to offshore pile driving</u> <u>K. Heitmann, T. Lippert, M. Ruhnau, S. Lippert, O. Von Estorff, S. Mallapur</u>		<u>How Many Indicators for Vibration Exposure are Needed?</u> <u>M. Van Den Berg</u>				



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16:40	coffee		<u>Predictions of the Effects of Elastic Seabed on Noise Radiated during Marine Pile Driving</u> <i>L.S. Wang, P. Theobald, S. Robinson</i>	coffee	<u>Rational regulations for vibrations from rail traffic</u> <i>M. Van Den Berg</i>	<u>Noise Reduction for a High Performance Military Aircraft - General Approach and Current Status</u> <i>E. Grigat</i>	<u>How the Dutch handle highway noise</u> <u>The Dutch Road Noise Mitigation Program</u> <i>N. Faber</i>	<u>Noise Action Planning at Airports under Difficult Political Conditions - Technical Methods and Procedures for Successful Support</u> <i>M. Petz</i>	coffee
17:00	<u>On the use of laser Doppler vibrometry in building acoustics</u> <i>N.B. Roozen, M. Rychtáriková, H. Müllner, C. Glorieux</i>		<u>A three-dimensional semi-analytical model for the prediction of underwater noise from offshore pile driving</u> <i>A. Tsouvalas, A. Metrikine</i>	<u>The required accuracy in the new Common Noise Assessment Method</u> <i>M. Paviotti, P. De Vos</i>	<u>Comparison of annoyance from railway noise and railway vibration</u> <i>M. Ögren, M. Smith, K. Persson Waye</i>	<u>Flat Plate Installation Effects on Velocity and Wall Pressure Fields Generated by an Incompressible Jet</u> <i>M. Mancinelli, A. Di Marco, R. Camussi</i>	<u>Modelling and monitoring Dutch highway traffic noise production</u> <i>T. Veger, A. Dijkstra, R. Nota, R. Jonker</i>	<u>Old Rhine ships have to be quiet too</u> <i>C. Ostendorf, N. Geebelen, A. Koopman, C. Laudij</i>	<u>Comparing a Phased Combination of Acoustical Radiosity and the Image Source Method with Other Simulation Tools</u> <i>G. Marbjerg, J. Brunskog, C.-H. Jeong, E. Nilsson</i>
17:20	<u>Assessment of</u>		<u>Finite</u>	<u>Conversion of</u>	<u>Do current</u>	Noise control	<u>Traffic Noise</u>	<u>Noise from</u>	<u>Influence of</u>



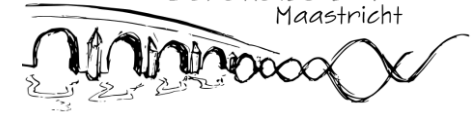
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	<p><u>acoustical insulation of double glass building element by laser Doppler vibrometry and microphone measurements</u> <i>C. Glorieux, D. Urbán, N.B. Roozen, L. Labelle, M. Rychtáriková</i></p>		<p><u>difference computational modelling of marine impact pile driving</u> <i>A. Macgillivray</i></p>	<p><u>existing road source data to use CNOSSOS-EU</u> <i>S. Shilton, F. Anfosso Ledee, H.J.A. Van Leeuwen</i></p>	<p><u>guidelines on vibration provide sufficient health protection at the community level independent of the accompanying soundscapes?</u> <i>M. Cik, P. Lercher</i></p>	<p><u>at power plants Identification of a vibration pattern from pressure measurements and radiation modes</u> <i>P. Herzog, R. Guillermin, P. Lorin, E. Van Lancker, V. Chritin</i></p>	<p><u>Management: The Dutch Approach</u> <i>R. Jonker, W. Alberts</i></p>	<p><u>Livestock Husbandry - Introducing a new Basis for Assessment</u> <i>M. Kropsch, C. Lechner</i></p>	<p><u>Source-Receiver Distance in Reverberant Room on Front-Back Confusion</u> <i>M. Rychtáriková, D. Pelegrin Garcia, N.B. Roozen, C. Glorieux</i></p>
17:40	<p><u>Comparison of strategies for the experimental analysis of airborne sound insulation of building elements</u> <i>L. Godinho, A. Neves, J.</i></p>		<p><u>Validating a wavenumber integration model for the prediction of underwater noise due to offshore pile driving</u> <i>M. Ruhnau, T. Lippert, K. Heitmann, S.</i></p>	<p><u>Conversion of existing railway source data to use CNOSSOS-EU</u> <i>M. Paviotti, S. Shilton, R. Jones, N. Jones</i></p>	<p><u>The use of vibration health response information in the framework of environmental health impact assessments: technical</u></p>	<p><u>Active noise control in practice: transformer station</u> <i>E. Buikema, F. Van Der Ploeg</i></p>	<p><u>The effective planning of measures in relation to other work such as maintenance of pavements</u> <i>P. Paffen</i></p>	<p><u>Noise standards for electronically amplified music in Flanders (Belgium)</u> <i>G. Pée, G. Vindevogel</i></p>	<p><u>Important simulation parameters for open plan office acoustics</u> <i>J. Jagla, C. Benoit</i></p>



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	<u>Nascimento, I.</u> <u>Castro, P.</u> <u>Amado- Mendes</u>		<u>Lippert, O.</u> <u>Von Estorff</u>		<u>issues of implementati on and interpretation</u> <u>B. Tappauf, M.</u> <u>Cik, P.</u> <u>Lercher</u>				
18:00	<u>Popvenues in living areas</u> <u>M. Luykx, M.</u> <u>Lautenbach,</u> <u>M. Vercammen</u>		<u>Evaluation of the impact of the uncertainties on environmenta l data for far- field propagation in shallow water with Split-Step Padé PE</u> <u>S. Lesoinne, A.</u> <u>Barth, X.</u> <u>Kaiser, J.-J.</u> <u>Embrechts, A.</u> <u>Gillet, R.</u> <u>Moelans</u>	<u>Feasibility of using the CNOSSOS- EU road traffic noise prediction model with low resolution inputs for exposure estimation on an international scale</u> <u>J. Gulliver, K.</u> <u>De Hoogh, D.</u> <u>Fecht, F.</u> <u>Fabbri, M.</u> <u>Bell, P.</u> <u>Goodman, P.</u> <u>Elliott, S.</u> <u>Hodgson, D.</u>	<u>Annovance due to vibration from freight railway lines in the Netherlands and Poland</u> <u>S. Janssen, B.</u> <u>Zuada Coelho,</u> <u>A. Koopman,</u> <u>E. Peris, W.</u> <u>Groll, K.</u> <u>Wisniewska</u>	<u>Experimental Investigation on Acoustic Effects of Trailing Edge Modifications of Splitter Attenuators for Power Generation Systems</u> <u>C. Sebastiani,</u> <u>C.-C.</u> <u>Hantschk, H.- J. Kaltenbach</u>	<u>Noise measures in road construction works</u> <u>W.-J. Van Vliet</u>	<u>Appropriate background noise level regarding speech privacy and annoyance in a train cabin</u> <u>J.Y. Jeon, J.Y.</u> <u>Hong, H.S.</u> <u>Jang</u>	

Tuesday, June 2nd

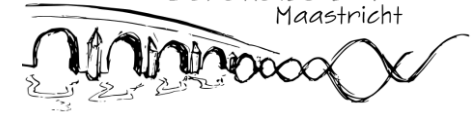
	Auditorium 2 (592)	0.1 London (90)	0.2 Berlin (90)	0.3 Copenhagen (49)	0.4 Brussels (189)	0.6 Madrid (49)	0.7 Lisbon (47)	0.8 Rome (118)
8:40	Auditory and Multisensory perception <u>Assessment of participatory-multisensorial tasting experiences based on customized soundscapes</u> <i>F. Reinoso</i> <i>Carvalho, A.</i> <i>Touhafi, K.</i> <i>Steenhaut, M.</i> <i>Rychtáriková, R.</i> <i>Van Ee, M.</i> <i>Leman</i>	Sound insulation of lightweight structures <u>The Radiation Impedance of a Rectangular Panel</u> <i>J.L. Davy, D.J.</i> <i>Larner, R.</i> <i>Wareing, J.</i> <i>Pearse</i>	Tyre/road noise modelling <u>Modal testing and finite element modelling of a reduced-sized tyre for rolling contact investigation</u> <i>Y. Zhang, J.</i> <i>Cesbron, M.</i> <i>Bérengier, H.-P.</i> <i>Yin</i>	Auralisation of urban sound <u>Auralisation of accelerating passenger cars</u> <i>R. Pieren, T.</i> <i>Büttler, K.</i> <i>Heutschi</i>	Health related quality of life and noise <u>Hearing conservation campaigns for adolescents: visibility and effects reported by university students</u> <i>A. Bockstael, H.</i> <i>Keppler, T.</i> <i>Desloover, D.</i> <i>Botteldooren</i>	Industrial noise control <u>Experiences of a Polyurethane-Manufacturer with the Elastic Decoupling of Machines</u> <i>T. Schoenherr</i>	Structured materials and metamaterials for the control of audible sound <u>Nonlinear Structuring of Helmholtz Resonators for Increasing the Range of Sound Absorption</u> <i>E. Gourdon, A.</i> <i>Ture Savadkoohi</i>	Microphone arrays and sound visualization: Methods and applications <u>Experimental Assessment of a Single-layer Near-field Acoustic Holography Method in an Enclosed Space</u> <i>E. Zea, I. Lopez</i> <i>Arteaga</i>
9:00	Alarm Fatigue in the Perception of Medical Soundscapes <i>M.S.E.</i> <i>Kristensen, E.</i> <i>Özcan, J.</i>	On the Influence of the Junctions on Wooden Buildings Structural-Acoustic Behaviour	Three dimensional modelling of sound absorption in porous asphalt pavement for oblique incident	Effect of Load on Engine Noise for the Auralization of Road Traffic <i>J. Maillard, J.</i> <i>Jagla</i>	Transportation noise and health related quality of life: perception of soundscapes, coping and restoration	Evaluation of Noise in Sensitive Living Quarters aboard Floating Offshore Oil	Acoustic resonant surface: from nearly-total reflection to nearly-total absorption of sound	Direct acoustic vector field mapping: new scanning tools for measuring 3D sound intensity in 3D space



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	<u>Edworthy, S. Denham</u>	<u>D. Blon, O. Dazel, J.-M. Genevaux, B. Brouard, A. Tribaleau</u>	<u>waves M. Bezemer- Krijnen, Y. Wijnant, A. De Boer</u>		<u>P. Lercher, E. Von Lindern</u>	<u>& Gas Facilities Using the SEA Method K. Fowler, B. Gardner, M. Burrill</u>	<u>L. Schwan, O. Umnova, C. Boutin, H.-C. Shin, S. Taherzadeh, K. Attenborough</u>	<u>D. Fernandez Comesaña, S. Steltenpool, E. Tijs, M. Korbasiwicz</u>
9:20	<u>Human echolocation: localizing reflections of self-generated oral sounds in laboratory D. Pelegrin Garcia, M. Rychtáriková, C. Glorieux</u>	<u>Modelling of patterned fibre constrained layer damping for composite materials A. Verstappen, J. Pearse</u>	<u>Mechanisms of acoustic aging of road surfaces R. Van Loon, G. Van Blokland, C. Tollenaar</u>	<u>Perceptual validation of auralized heavy- duty vehicle P. Bergman, A. Pieringer, J. Forssén, P. Andersson</u>	<u>Variation in tone presentation by Pure Tone Audiometers: the potential for error in screening audiometry C. Barlow, L. Davison, M. Ashmore</u>	<u>Noise Risk as Described in Instructions for Printing Machinery Supplied in Europe P. Brereton, J. Patel</u>	<u>Low frequency sound absorption in porous material with periodically distributed dead-end pores P. Leclaire, O. Umnova, T. Dupont, R. Panneton</u>	<u>Transient Acoustic Analysis of a motor run-up in a vehicle using a modular 4096 channel MEMS Microphone Array W. Ouwens, M. Camp, R. Scholte</u>
9:40	<u>Workshop: European noise policy: where do we go? (supported by European Commission DG environment) The</u>	<u>Acoustic properties of composite lightweight structures E.A. Piana, A. Nilsson</u>	<u>Influence of Fiber- Reinforced Composite Wheel Resonance on tire cavity noise Y. Yang, Y. Wei</u>	<u>Auralization of Urban Environments - Concepts towards New Applications M. Vorlaender, J. Stienen</u>	<u>The association between road traffic noise exposure, annoyance and health-related quality of life (HRQOL) H. Héritier, D. Vienneau, P. Frei, I.C. Eze,</u>	<u>High Frequent Noise from Variable Speed Drive Electric Motors K. Selvåg, A. Krogvig</u>	<u>Gradient metamaterial layers as impedance matching devices for efficient sound absorption A. Azbaid El Ouahabi, V. Krylov, D. O'Boy</u>	<u>iPTF methods: How Green's identity and FEM solver can be used for acoustic inverse methods N. Totaro, S. Forget, J.-L. Guyader</u>

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	<u>environmental noise Directive at a turning point</u> <u>I. Juraga, B. Berger, M. Paviotti</u>				<u>M. Brink, N. Probst-Hensch, M. Rössli</u>			
9:50	<u>Differences Between the Principles of the European National Noise Laws and Those of the Environmental Noise Directive</u> <u>G. Licitra</u>							
10:00	<u>The process required to achieve an effective noise reduction in a city</u> <u>H.J.A. Van Leeuwen, P. De Vos</u>	<u>Are laboratory tests and prediction models useful in building construction projects?</u> <u>F. Verbandt, J. Vandendriessche, B. Van De Velde</u>	<u>Modelling tools for the development of the Silent and Safe tyres</u> <u>B. Makwanan, B. De Bruijn, E. Verhulp, D.A. Bekke</u>	coffee	<u>The Restorative Effects of Pleasant Urban Areas in the Netherlands: the Role of Sound Quality</u> <u>E. Van Kempen, I. Van Kamp, W. Swart, J. Devilee, C. Ameling</u>	<u>System of tradable sound rights, study</u> <u>H. Spierenburg</u>	<u>Design and Experimental Validation of a Plate with Internally Resonating Lattices for Low-frequency Vibro-acoustic Control</u> <u>F. Tateo, J. Michielsen, I. Lopez Arteaga,</u>	coffee
10:10	<u>Is noise a problem for the citizen?</u>			coffee				

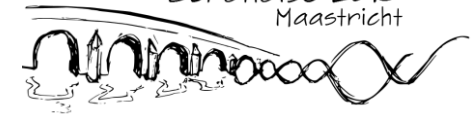
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	<i>S. Turner</i>						<i>H. Nijmeijer</i>	
10:20	Discussion	<u>Description of the research project CIMEDE for the industrial construction of evolutionary, sustainable and economic houses</u> <i>F. Duthoit</i>	coffee	<u>Determining an Empirical Emission Model for the Auralization of Jet Aircraft</u> <i>R. Frederik, K. Heutschi</i>	<u>Noise sensitivity and musical background</u> <i>M. Heinonen-Guzejev, M. Kliuchko, K. Heikkilä, V. Spinosa, M. Tervaniemi, E. Brattico</i>	coffee	<u>Extraordinary absorption of sound in porous lamella</u> <i>J. Christensen</i>	<u>Design of 3D microphone arrays using automatic speech recognition and psychoacoustic evaluation for immersive sounds</u> <i>H. Lim, H.S. Jang, J.Y. Jeon</i>
10:40	Discussion	coffee	<u>Making road traffic bridges silent</u> <i>P. Van Den Dool</i>	<u>Auralisation of Finite Difference Time Domain Simulations of Sonic Crystal Noise Barriers in an Urban Environment</u> <i>D. Murphy, S. Harriet</i>	coffee	<u>Benchmark indicators for industrial noise emission</u> <i>T. Van Diepen, A. Van Wijk, J. Granneman</i>	coffee	<u>Plate mode identification using modal analysis based on microphone array measurements</u> <i>A. Van Velsen, E. Moers, I. Lopez-Arteaga, H. Nijmeijer</i>
11:00	Discussion	<u>Assessment of sound transmission characteristics of traditional</u>	<u>What you measure is what you get? - a novel approach for specifying</u>	<u>Measuring end-to-end delay in real-time auralisation systems</u>	<u>Are Urban Park Soundscapes Restorative or Annoying?</u>	<u>Regulation of noise from moored ships in ports</u> <i>R. Witte</i>	<u>Optimised thin Metaporous materials for absorption applications in</u>	<u>Application of MEMS microphone array for acoustic</u>



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		<u>timber-framed dwellings in Ankara, Turkey</u> <i>M. Erdil, A. Tavukcuoglu, M. Caliskan</i>	<u>and controlling acoustic quality of road surfaces</u> <i>A. Kuijpers, W. Schwanen, J. Van De Water, W.-J. Van Vliet</i>	<u>J. Lamas, C. Silva, M. Silva, S. Mouta, J. Creissac</u> <i>Campos, J. Santos</i>	<u>S. Payne, H. Nordh, R. Hassan</u>		<u>the audible frequency range</u> <i>C. Lagarrigue, J.-P. Groby, V. Tournat</i>	<u>holography</u> <i>Z. Havranek, P. Benes, S. Klusacek</i>
11:20	Discussion	<u>A study of sound Absorption behaviors of Fiber wood panel</u> <i>C. Demanet</i>		<u>Traffic strategies and noise impacts</u> <u>Applying Intelligent Transport Systems to manage noise impacts</u> <i>I. Wilmink</i>	<u>Low frequency noise in relation to health effects: A systematic review</u> <i>C. Baliatsas, I. Van Kamp, R. Van Poll</i>	<u>Operational Transfer Path Analysis applied to a Ship with Multiple Engines, Gearboxes and Propellers</u> <i>T. Keizer</i>	<u>Sound absorption by a structure with straight rectangular tubes loaded by periodically distributed resonators</u> <i>J.-P. Groby, O. Umnova, Y. Aurégan</i>	<u>Sparse acoustic imaging with a spherical array</u> <i>E. Fernandez-Grande, A. Xenaki</i>
11:40	Discussion	<u>Sound Transmission Characteristic through Mechanically Connected Laminated Composite Double Wall Panel</u> <i>P. Bhattacharya,</i>		<u>From regional "strategic" maps to microscopic scale models: multi-scales approaches to improve the assessment of exposure to pollutants due to</u>	<u>Effects of aircraft noise on annoyance and quality of life in German children near Frankfurt/Mai n airport: Results of the NORAH (noise-related</u>	<u>Action Plan for Noise Abatement in Chemical Plant - Coverage, Cooperation</u> <i>A. Muntag, M. Berndt, M. Márkus</i>	<u>On inner resonance in highly contrasted composites Design of media with negative mass or stiffness</u> <i>C. Boutin</i>	

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		<i>A. Sahu, M. Rose</i>		transportation <i>X. Olny, B. Vincent</i>	annoyance, cognition, and health)-study <i>K. Bergström, J. Spilski, J. Mayerl, U. Möhler, T. Lachmann, M. Klatte</i>			
12:00	Plenary lecture:							
12:40	Speech intelligibility in Noise	TC room and building acoustics						
	Plenary Lecture: Speech Intelligibility in Noise: How Does our Auditory System Get Rid of the Noise? <i>S. Van De Par</i>							
12:50								
13:40	Excitation of building elements by structure-borne and airborne	Railway vibration and ground-borne noise	Solutions for lower tyre/road noise	Recreational noise	Sleep and noise	Construction noise	Numerical methods for sound absorbing materials	Underwater Noise, Imaging and Communication
				The Inclusion of	Free field evaluation of	Construction		

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	<u>sources</u>	<u>Modelling the dynamic pile-soil-pile interaction in a multi-layered half-space</u> <i>W. Hamad, E. Ntotsios, H. Hunt, M.F.M. Hussein, D. Thompson, J. Talbot</i>	<u>A Model for Diffracting Elements to Reduce Traffic Noise</u> <i>Y. Wijnant, J. Hooghwerff</i>	<u>Recreational Activities in Strategic Noise Maps</u> <i>V. Rosão, Á. Grilo</i>	<u>the influence of naturalistic road and rail traffic noise on both psychological and physiological parameters</u> <i>M. Cik, M. Lienhart, K. Fallast</i>	<u>and urban noise: automatic assessment of noise monitoring results</u> <i>E. De Beer, J. Granneman, W. Van Der Maarl</i>	<u>Application of the Transfer Matrix and Finite Surface Size Correction to Room Acoustics Simulation</u> <i>A. Van Der Harten</i>	<u>Measurements of underwater conductor hammering noise: compliance with the German UBA limit and relevance to the harbour porpoise (Phocoena phocoena)</u> <i>J. Jiang, V. Todd, J.C. Gardiner, I. Todd</i>
14:00	<u>Characterization and vibration isolation of building service equipment mounted on lightweight structures</u> <i>M. Villot, S. Bailhache</i>	<u>Effect of rail unevenness correlation on the prediction of ground-borne vibration from railways</u> <i>E. Ntotsios, D. Thompson, M.F.M. Hussein</i>	<u>Whisstone, a sound diffractor: does it really affect traffic noise?</u> <i>J. Hooghwerff, F. Reinink, R. Van Der Heijden, Y. Wijnant</i>	<u>Measurement Results at Outdoor Dance Festivals in Belgium</u> <i>M. Kok</i>	<u>Physiological reaction thresholds to vibration during sleep</u> <i>M. Smith, M. Ögren, O. Hammar, K. Persson Waye</i>	<u>Protocol to manage construction noise in urban areas: practical case in Bilbao municipality</u> <i>I. Garcia Perez, I. Aspuru, I. Diez</i>	<u>A Wave Based Transfer Matrix Method for accurate simulation of acoustic problems with multilayered damping treatment</u> <i>S. Jonckheere, D. Vandepitte, W. Desmet</i>	<u>Real-time underwater abrasive water jet cutting process control</u> <i>S.D. Debruyne, D. Vandepitte, K. Van Massenhove</i>



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14:20	<u>Measured transfer functions from structure-borne sound sources in a timber-frame construction</u> <i>F. Schöpfer, C. Hopkins, A.R. Mayr, U. Schanda</i>	<u>Transmission of underground-induced vibration to the ground surface: a comparison of 2D, 2.5D and 3D models</u> <i>P. Jean, M. Villot</i>	<u>On site acoustic characterization of optimized very thin asphalt concretes</u> <i>J. Cesbron, P. Klein, V. Gary, J.-M. Clairot</i>	<u>Exposure to firework noise in festivals</u> <i>R. Passos, A. Carvalho, C. Rocha</i>	<u>Nocturnal Road Traffic Noise and Children's Sleep</u> <i>K.V. Weyde, G.M. Aasvang, B. Oftedal, N. Krog</i>	<u>Soundscape theory</u> <u>Global and local sound quality indicators for urban context based on perceptible and acoustic variables</u> <i>C. Lavandier, P. Delaitre, C. Ribeiro</i>	<u>A Multi-Level Wave Based Method to predict the dynamic response of 2D poroelastic materials containing holes or inclusions</u> <i>E. Deckers, W. Desmet</i>	<u>Combining installation challenges with noise challenges</u> <i>H. Van Vessem</i>
14:40	<u>Laboratory characterisation and prediction of structure-borne sound transmission of sanitary installations in heavyweight buildings</u> <i>S. Reinhold, J. Scheck, H.-M. Fischer, A. Ruff, C. Hopkins</i>	<u>Experimental validation of a numerical model for the ground vibration from trains in tunnels</u> <i>Q. Jin, D. Thompson, D. Lurcock, M. Toward, E. Ntotsios, S. Koroma, M.F.M. Hussein</i>	<u>Poroelastic Block Pavement as a Low Tyre/Road Noise Solution for Cities</u> <i>D. Kokot, M. Ramsak</i>	<u>Urban sound planning</u> <u>The influence of soundscape on the tourists' environmental quality perception in urban areas</u> <i>V. Puyana, Romero, G. Brambilla, M. Di</i>	<u>Predictions of Sleep Disturbance for Different Nighttime Airport Operation Strategies Using a New Markov State Transition Sleep Model</u> <i>S. McGuire, M. Basner</i>	<u>How to measure soundscape quality</u> <i>Ö. Axelsson</i>	<u>Development of the partition of unity finite element method for the 3D analysis of interior sound fields</u> <i>M. Yang, E. Perrey-Debain, B. Nennig, J.-D. Chazot</i>	<u>Separating Propeller Cavitation Noise and Cavitation Tunnel System Noise using Blind Source Separation(BSS)</u> <i>E. Widjiati, E.B. Djatmiko, W. Wardhana, W. Wirawan</i>

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				<u>Gabriele, V.</u> <u>Gallo, L. Maffei</u>				
15:00	<u>Application of the Concept of Reference Timber Joist Ceiling</u> <u>J. Seidel</u>	<u>A catalogue of vibration reducing measures for railways</u> <u>R. Cornelis, J. Van Den Brink, C. Ostendorf</u>	<u>Long-term Acoustical Performance of Low-noise Road Surfaces in Urban Areas in Switzerland</u> <u>E. Hammer, S. Steiner, M. Dias, E. Bühlmann</u>	<u>Traffic dynamics, road design and noise emission: a study case</u> <u>L. Estévez-Mauriz, J. Forssén, W. Kropp, G. Zachos</u>	<u>Traffic Noise, Insomnia and Sleep Medication Use</u> <u>J. Evandt, B. Oftedal, N. Hjertager Krog, S. Skurtveit, E. Skovlund, P. Nafstad, P. Schwarze, G.M. Aasvang</u>	<u>A method to collect representative samples of urban soundscapes</u> <u>J. Tardieu, C. Magnen, M.-M. Colle-Quesada, P. Gaillard, N. Spanghero-Gaillard</u>	<u>Calculation of internal powers for anisotropic porous materials within multilayered structures based on plane wave approximation</u> <u>J.P. Parra Martinez, O. Dazel, P. Göransson, J. Cuenca</u>	<u>Modeling of seismic exploration noise reduction in the Marginal Ice Zone</u> <u>D. Tollefsen, E.M. Dombestein, H. Sagen</u>
15:20	<u>Sound Insulation of Walls with a new Mortar-Mix System</u> <u>M. Schneider</u>	<u>Laboratory Measurement of the Vibration Attenuation Performance of the Rail Fastening System</u> <u>D. Desmyter, S. Cox, J. Cailliau</u>	coffee	<u>Characterisation of the soundscape in Valley Gardens, Brighton, by a soundwalk prior to an urban design intervention</u> <u>F. Aletta, E. Margaritis, K. Filipan, V. Puyana Romero,</u>	coffee	<u>Soundscape visualization: a new approach based on automatic annotation and Samocharts</u> <u>P. Guyot, J. Pinquier</u>	coffee	<u>On the use of ship radiated noise to determine statistical information on geoacoustic structure in shallow water</u> <u>D. Knobles</u>

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15:40	coffee	coffee	<u>Influence of Environment- and Traffic-related Factors on Acoustical Ageing of Low-noise Road Surfaces in Switzerland</u> <i>E. Bühlmann, M. Dias, S. Steiner</i>	<u>Research Outcomes for Urban Sound Planning from European Commission projects</u> <i>S. Alves, B. Altreuther, J. Scheuren</i>	<u>Annoyance effects due to noise sources</u> <u>How new temporal and spectral indices improve indicators of noise annoyance due to urban road vehicle pass-by noise</u> <i>A. Klein, C. Marquis-Favre, R. Weber</i>	<u>New Insights into Soundscape Evaluations Using the Experience Sampling Method</u> <i>J. Steffens, D. Steele, C. Guastavino</i>	<u>A homogenization approach for characterization of the microscopic viscous-thermal effects in acoustic poroelastic materials</u> <i>K. Gao, H.V. Dommelen, P. Göransson, M. Geers</i>	<u>Bayesian Ambient-Noise Inversion</u> <i>S. Dosso</i>
16:00	<u>Design Process to evaluate potential of wind noise at facade elements</u> <i>F. Coppa, C. Paduano</i>	<u>High speed train noise (Europe/China exchange)</u> <u>The Pollution Control of Urban Elevated Railway Traffic</u>	<u>Noise Generated by Tyres Designed for Electric Vehicles - Results of Laboratory Experiments</u> <i>J. Ejsmont, B. Swieczko-Zurek,</i>	coffee	<u>Frequency Weightings Based on Subjectively Dominant Spectral Regions</u> <i>A.J. Torija, I. Flindell, R. Self</i>	coffee	<u>Inverse method to characterize 'local' and 'non-local' absorbing materials submitted to a shear grazing flow</u> <i>F. Simon, O. Berengue</i>	<u>De-noising procedures for inverting underwater acoustic signals in applications of acoustical oceanography</u> <i>M. Taroudakis, C. Smaragdakis</i>

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		<u>Noise</u> <u>Y. Liu, X. Deng,</u> <u>Y. Zhang, D.</u> <u>Qian</u>	<u>S. Taryma, P.</u> <u>Mioduszewski</u>				<u>Llonch, E. Piot</u>	
16:20	<u>Direct Sound</u> <u>Transmission</u> <u>Loss of Heavy</u> <u>Gauge Steel</u> <u>Stud Walls</u> <u>C. Hoeller, B.</u> <u>Zeitler, J. Mahn</u>	<u>The Application</u> <u>of the Control</u> <u>Technology of</u> <u>the Noise</u> <u>Source and the</u> <u>Effect of Its</u> <u>Noise Reduction</u> <u>of Beijing-</u> <u>Shanghai High-</u> <u>speed Railway</u> <u>X. Gu, Y. Li, L.</u> <u>Liu, X. Wu</u>	<u>Tyre/road noise</u> <u>of passenger car</u> <u>tyres, including</u> <u>tyres for electric</u> <u>vehicles - road</u> <u>measurements</u> <u>T. Berge, F.</u> <u>Haukland, P.</u> <u>Mioduszewski, R.</u> <u>Wozniak</u>	<u>Identifying and</u> <u>recognizing</u> <u>noticeable</u> <u>sounds from</u> <u>physical</u> <u>measurements</u> <u>and their effect</u> <u>on soundscape</u> <u>K. Filipan, M.</u> <u>Boes, B. De</u> <u>Coensel, H.</u> <u>Domitrovic, D.</u> <u>Botteldooren</u>	<u>Effects of non-</u> <u>acoustic factors</u> <u>on of</u> <u>annoyance</u> <u>caused by floor</u> <u>impact sounds:</u> <u>A structural</u> <u>equation</u> <u>analysis</u> <u>P.J. Lee, S.H.</u> <u>Park</u>	<u>From</u> <u>Soundscape</u> <u>to</u> <u>Meaningscap</u> <u>e</u> <u>F.L. Nielbo</u>	<u>Mechanical</u> <u>characterisation</u> <u>of acoustic</u> <u>foams:</u> <u>fractional</u> <u>derivatives</u> <u>approach</u> <u>S. Sahraoui, X.</u> <u>Guo, G. Yan, D.</u> <u>Parmentier</u>	<u>Designing</u> <u>outdoor ground</u> <u>for noise</u> <u>reduction</u> <u>Outdoor</u> <u>Ground</u> <u>Impedance</u> <u>Models</u> <u>K. Attenborough</u>
16:40	<u>Description of</u> <u>the acoustic</u> <u>characteristics</u> <u>of ETFE roof</u> <u>structures</u> <u>S. Bron Van Der</u> <u>Jagt, C. Laudij,</u> <u>E. Gerretsen, E.</u> <u>Phaff, T.</u> <u>Raijmakers</u>	<u>The</u> <u>Experimental</u> <u>Studies on</u> <u>High-speed</u> <u>Railway Noise</u> <u>Field Vertical</u> <u>Distribution</u> <u>and</u> <u>propagation</u> <u>characteristic</u> <u>Y. Li, L. Liu, X.</u> <u>Gu, L. Shao</u>	<u>Laboratory</u> <u>measurements</u> <u>on Poroelastic</u> <u>test slabs from</u> <u>full scale test</u> <u>sections</u> <u>R.S.H. Skov, H.</u> <u>Bendtsen, J.</u> <u>Cesbron</u>	<u>Limiting the</u> <u>Levels of</u> <u>Outdoor Music</u> <u>Clubs Sound</u> <u>Reinforcement</u> <u>Systems at Zrce,</u> <u>Croatia</u> <u>K. Jambrosic, H.</u> <u>Domitrovic, M.</u> <u>Horvat</u>	<u>First Steps in</u> <u>the</u> <u>Development of</u> <u>the new WHO</u> <u>Evidence</u> <u>Review on</u> <u>Noise</u> <u>Annoyance</u> <u>R. Guski, D.</u> <u>Schreckenber</u>	<u>The role of</u> <u>activity in</u> <u>urban</u> <u>soundscape</u> <u>evaluations</u> <u>D. Steele, J.</u> <u>Steffens, C.</u> <u>Guastavino</u>	<u>Experimental</u> <u>Methods for</u> <u>porous</u> <u>materials</u> <u>In-situ sound</u> <u>absorption of</u> <u>ground</u> <u>surfaces:</u> <u>Innovative</u> <u>processing and</u> <u>characterizatio</u>	<u>Determination</u> <u>of the</u> <u>Impedance of</u> <u>Vegetated Roofs</u> <u>with a Double-</u> <u>Layer Miki</u> <u>Model</u> <u>C. Liu, M.</u> <u>Hornikx</u>

	Auditorium 2 (592)	0.1 London (90)	0.2 Berlin (90)	0.3 Copenhagen (49)	0.4 Brussels (189)	0.6 Madrid (49)	0.7 Lisbon (47)	0.8 Rome (118)
							<u>n methods</u> <u>J. Cuenca, L. De Ryck</u>	
17:00	<u>Laboratory Studies of Protection against Propagation of Impact Noise from Staircases</u> <u>A. Izewska, B. Szudrowicz</u>	<u>Experimental study on the characteristics of noise sources in high-speed railway</u> <u>L. Liu, Y. Chen, X. Xing, C. He</u>	<u>Silent and Safe Roadtraffic-project: An optimization of the tyre-road interaction on noise and wet grip</u> <u>D.A. Bekke, G.O. Lansink, B. Bobbink, Y. Wijnant, D. Schipper, R. Stevens</u>	<u>The influence of urban canyon design on noise reduction for people living next to roads</u> <u>G.M. Echevarria Sanchez, T. Van Renterghem, D. Botteldooren</u>	<u>The Effect of Noise from Overflying Aircraft on a Young Adult Population</u> <u>F. Van Den Berg, I. Van Moorselaar, C. Verhagen</u>	<u>Soundscape Streaming and Visualization for HCI Design</u> <u>H. Kobayashi</u>	<u>Silicone foams for sound absorption: on the link between elaboration parameters and acoustic performances</u> <u>A. Abbad, S. Mith, M. Ouisse, N. Dauchez</u>	<u>Ground Effect due to Periodic Resonant Roughness</u> <u>H.-C. Shin, S. Taherzadeh, K. Attenborough</u>
17:20	<u>Classification of Heavy-weight floor impact sounds based on perceptual noise levels and annoyance</u> <u>S.M. Kim, J.Y. Hong, J.Y. Jeon</u>	<u>Acquisition of exterior multiple sound sources for train auralization based on beamforming</u> <u>F. Meng, F. Wefers, M. Vorländer</u>	<u>Self Healing Asphalt: The 'match' between noise reduction and durability</u> <u>G. Van Bochove</u>	<u>An Efficient Method to Calculate Sound Diffraction over Rigid Obstacles</u> <u>W. Wei, T. Van Renterghem, D. Botteldooren</u>	<u>Social Noise Exposure in University Students in Slovakia</u> <u>L. Argalasova, A. Filova, J. Jurkovicova, K. Hirosova, J. Babjakova, L. Sevcikova</u>	<u>Evaluating the University Campus Soundscape: The Case of Tianjin University</u> <u>K. Sun, X. Liang, D. Botteldooren, B. De Coensel</u>	<u>Food product characterization by acoustical techniques</u> <u>F.-X. Bécot, M. Gauthier, F. Chevillotte, L. Jaouen</u>	<u>Sound propagation above periodic & aperiodic rough surfaces</u> <u>S. Taherzadeh</u>
17:40	<u>Rolling noise</u>	<u>Calculations of</u>	<u>Acoustical and</u>	<u>A novel Speech</u>	<u>Exposure to</u>	<u>A taxonomy</u>	<u>Investigations</u>	ABAV GA

Auditorium 2 (592)	0.1 London (90)	0.2 Berlin (90)	0.3 Copenhagen (49)	0.4 Brussels (189)	0.6 Madrid (49)	0.7 Lisbon (47)	0.8 Rome (118)
<p><u>model for building acoustics purposes</u> <u>F. Chevillotte, F.-X. Bécot, L. Jaouen</u></p>	<p><u>sound radiation associated with 'tunnel boom' from high-speed trains</u> <u>V. Krylov, W. Bedder</u></p>	<p><u>Mechanical Impedance Measurements of PoroElastic Road Surfaces</u> <u>C. Vuyc, L. Goubert, M. Van Beveren, W. Van Den Bergh</u></p>	<p><u>intelligibility improvement method using maximizing Mutual Information measure</u> <u>E. Eideli, S.M. Ahadi, N. Faraji</u></p>	<p><u>road traffic noise and risk for behavioral problems in 7-year old children: a cohort study</u> <u>D. Hjortebjerg, A.-M. Nybo Andersen, J. Schultz Christensen, M. Ketzel, O. Raaschou-Nielsen, J. Sunyer Deu, J. Julvez, J. Fornes Guzmán, M. Sørensen</u></p>	<p><u>of sounds both object and user centred</u> <u>P. Gaillard, J. Tardieu, M. Coler, C. Magnen</u></p>	<p><u>of an impedance tube technique to determine the transmission loss of materials under angular incidence</u> <u>E. Sadoulet-Reboul, M. Le Bourles, K. Verdière, M. Ouisse, O. Doutres, R. Panneton</u></p>	
		<p><u>"Noise climate" improvement as an opportunity at road reconstructions</u> <u>P. Driessen</u></p>	<p><u>Spatial categorization of urban sound environments based on mobile measurements</u> <u>A. Can, B. Gauvreau</u></p>	<p><u>Assessment of Impulse Noise regarding Harmfulness to Hearing</u> <u>B. Hohmann</u></p>	<p><u>A pilot experiment on effects of motor and cognitive activities on memories of soundscapes</u> <u>E. Bild, M. Coler, D. Dubois, K.</u></p>	<p><u>Inverse estimation of the elastic and anelastic properties of anisotropic foams - study of the static/dynamic separation</u> <u>J. Cuenca, C.</u></p>	

18:00



Auditorium 2 (592)	0.1 London (90)	0.2 Berlin (90)	0.3 Copenhagen (49)	0.4 Brussels (189)	0.6 Madrid (49)	0.7 Lisbon (47)	0.8 Rome (118)
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[Pfeffer](#)

[Van Der Kelen,](#)
[P. Göransson](#)

18:20

18:30

19:30

**Tuesday 2 June, 2015: 14:00 - Lobby
Posters, part 1**

<p>Modeling and Validation Processes of an Electric Vehicle with Statistical Energy Analysis <i>A. Botke, E. Erensoy, D. Yazgac, C. Sevginer</i></p>	<p>Computer modelling and on-site investigation of noise barriers with complementary noise reduction element <i>M. Bite, D.S. Nagy, P.Z. Bite, I. Dombi</i></p>	<p>Detection of Wind Turbine Noise in Immission Measurements <i>B. Fauville, F. Moiny</i></p>	<p>Comparison of a finite element approach and an analytic solution describing the sound pressure fields in two coupled rooms at the low frequency sound spectrum within a parametric study <i>M. Neusser, H. Konder, T. Bednar</i></p>	<p>Smart Soundmeter for Shooting Noise Monitoring <i>A.-C. Witsel, F. Moiny</i></p>
<p>Optimization of the Measurement System for Determination of the Diffusion and Reflection Coefficients <i>L. Zuzjak, J. Karel, O. Turecek</i></p>	<p>Excitation of a Single Cut-on Mode by Means of a Plane Mode- synthesiser Composed of Several Point Sources - Theory and Experiment <i>A. Snakowska, L. Gorazd, J. Jurkiewicz, K. Kolber, A. Flach</i></p>	<p>A Framework for Road Traffic Noise Auralisation <i>A. Southern, D. Murphy</i></p>	<p>The Selection of the Microphones for Diffusion Measurement Method <i>J. Karel, O. Turecek, L. Zuzjak</i></p>	<p>Effective sound absorption of acoustic panels in a diffuse and non-diffused sound field <i>J. Zrneková, P. Zatko, M. Rychtáriková</i></p>

Tuesday 2 June, 2015: 15:00 - Lobby
Posters, part 2

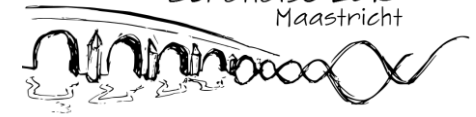
<p>The Heliophone <i>N.B. Roozen, A. Jacobs, M. Rychtáriková, C. Glorieux</i></p>	<p>The visual effect combined with audible noise of wind turbine and its related EEG reaction <i>M. He, D. Krahe</i></p>	<p>Software quality testing for calculation of outdoor noise <i>I. Tsukernikov, I. Shubin, L. Tichomirov, T. Nevenchannaya</i></p>	<p>Comparison of force and moment behavior of bimorph actuator <i>O. Jiricek, V. Jandak, M. Brothanek</i></p>	<p>Noise Induced Hearing Loss: a systematic review <i>A. Oliveira, A. Miguel, J. Baptista, J. Costa</i></p>
<p>Measurements on active earplugs and effect of ear canal resonances on spectral balance <i>T. Lokki, I. Huhtakallio</i></p>	<p>A Case Study on Public Noise Annoyance in Relation to Research Trends on Noise Pollution <i>N. Akbulut Çoban, K. Gedik, S. Kaya</i></p>	<p>Analysis of the Acoustic Conditions in the Student Restaurant <i>L. Zelem, D. Urbán, V. Chmelík, M. Rychtáriková</i></p>	<p>Modeling Speech Production in Noise for the Assessment of Vocal Effort for Use with Communication Headsets <i>R. Bouserhal, J. Voix, T. Falk</i></p>	

**Tuesday 2 June, 2015: 16:00 - Lobby
Posters, part 3**

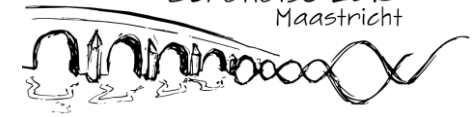
<p>Combining thermally activated cooling technology (TABS) and high acoustic demand: Acoustic and thermal results from field measurements part II <i>Y. Le Muet, P. Lombard</i></p>	<p>Influence of the Openings Size on Acoustic Quality of Naturally Ventilated Classrooms <i>M. Oiticica, J. Silva</i></p>	<p>A qualitative study of annoyance caused by floor impact sounds in apartment buildings <i>S.H. Park, P.J. Lee</i></p>	<p>Increasing annoyance due to noise radiation of steel bridges and their joints <i>C. Tollenaar, E. De Graaff</i></p>	<p>Residents Autonomy to Solve the Chinese DAMA Square Dancing noise <i>W. Zhang, Y. Zhou, W. Zhu</i></p>
<p>Airborne sound insulation measurements using gunshot as an impulsive sound source <i>F. Dezelak, L. Curovic, M. Cudina</i></p>	<p>Experimental study of sound attenuation by layers of water droplets <i>I. Herrero-Durá, J. Zaragoza, R. Picó, V. Sánchez-Morcillo, L.M. García-Raffi</i></p>	<p>Active musician's hearing protection device for enhanced perceptual comfort <i>A. Bernier, J. Voix</i></p>	<p>An Experimental Study To Investigate Speech Intelligibility And Sound Quality In Elementary Schools <i>Z. Savci Ozguven, N. Tamer Bayazit</i></p>	

Wednesday, June 3rd

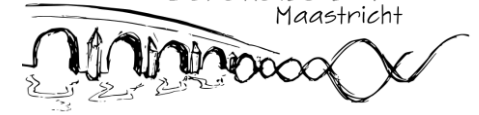
	Auditorium 2 (592)	0.1 London (90)	0.2 Berlin (90)	0.3 Copenhagen (49)	0.4 Brussels (189)	0.6 Madrid (49)	0.7 Lisbon (47)	0.8 Rome (118)	0.9 Athens (118)
8:40	<p>Acoustic regulations and classification schemes for buildings</p> <p><u>New ways of lumped parameter analysis in an enclosed environment</u> <i>C. Van Dijk</i></p>	<p>Railway noise: sources, exterior noise and ambience</p> <p><u>Acoustical Source Modelling for Rolling Stock Vehicles: the Modeller's Point of View</u> <i>A. Bistagnino, G. Squicciarini, U. Orrenius, E. Bongini, M. Starnberg, R. Cordero, J. Sapena, D. Thompson</i></p>	<p>Tyre/road noise measurements, standards and classification</p> <p><u>On the acoustic long-term performance of asphalt and concrete road surfaces on Austrian motorways</u> <i>R. Wehr, M. Conter</i></p>	<p>Fans, ducts and mufflers</p> <p><u>Application of a High-Order FEM Solver to Aeroengine Exhaust Noise Radiation</u> <i>K. Hamiche, G. Gabard, H. Bériot</i></p>	<p>Hearing protectors - new developments</p> <p><u>Determination of Sound Attenuation of Ear-plugs Using Audiometers</u> <i>S. Dantscher</i></p>	<p>Analysis and Modelling of Psychoacoustic Sensations</p> <p><u>Assessment of kindergarten noise by means of psychoacoustic metrics</u> <i>J. Rennie, D. Hülmeier, F.X. Nsabimana</i></p>	<p>Active noise control</p> <p><u>Simultaneous Online Modeling of the Secondary Path and Neutralization of the Feedback Path in an Active Noise Control System</u> <i>W. Reich, S. Khan, M. Dalir, R. Hilterhaus</i></p>	<p>Uncertainty of measurements</p> <p><u>How 21st century technology can improve sound level measurement</u> <i>M. Turner</i></p>	<p>Room in room acoustics</p> <p><u>Evaluation of a perceptually optimized room-in-room reproduction method for playback room compensation</u> <i>J. Grosse, S. Van De Par</i></p>
9:00	<p><u>New Dutch Code of Practice for equipment noise</u> <i>W. Beentjes</i></p>	<p><u>Aeroacoustic Analysis of a NACA Duct</u> <i>N. Pignier, J. Dahan, C. O'Reilly, S.</i></p>	<p><u>A psychoacoustic based approach to pavement classification</u></p>	<p><u>An uncertainty estimation for a higher order multi-port characterizati</u></p>	<p><u>Special Methods for Selecting Hearing Protectors for Very Low</u></p>	<p><u>Tonality perception of stationary and transient signals</u> <i>A. Oetjen, P.</i></p>	<p><u>Multichannel Active Sound Quality Control for Independent-Channel</u></p>	<p><u>Multi-Layer Planar Near Field Holography using MEMS microphone</u></p>	<p><u>Spectral and perceptual properties of a transfer chain of two rooms</u> <i>A. Haessler,</i></p>



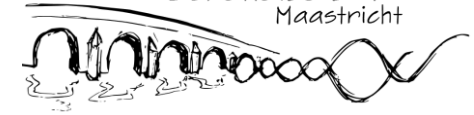
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		<u>Boij</u>	<u>E. Freitas, C. Cunha, J. Lamas, S. Mouta, J. Santos</u>	<u>on in ducts with flow</u> <u>S. Sack, M. Åbom</u>	<u>Frequency Noise</u> <u>P. Sickert</u>	<u>Volk, S. Van De Par</u>	<u>Sound Profiling</u> <u>J.A. Mosquera Sanchez, K. Janssens, W. Desmet, L. De Oliveira</u>	<u>arrays in a noisy environment</u> <u>M. Thomassen, H. Nijmeijer, R. Scholte, P. Sommen</u>	<u>S. Van De Par</u>
9:20	<u>Measurement of time variant sound pressure levels at low frequencies in buildings - verification of sound class using EN ISO 10052 and 16032</u> <u>C. Simmons, K. Larsson</u>	<u>Research on noise propagation of plateau railway</u> <u>L. Shao, L. Liu, Y. Li, C. He</u>	<u>Development of a High-Resolution Measurement System of Rotating Tires towards Noise Prediction</u> <u>K. Takami, T. Furukawa</u>	<u>The effect of cylindrical waveguide outlet features on the directional pattern</u> <u>K. Kolber, L. Gorazd, A. Snakowska, J. Snakowski</u>	<u>Degradation of Front-Back Spectral Cues Induced by Tactical Communication and Protective Systems</u> <u>T. Joubaud, V. Zimpfer, A. Garcia, C. Langrenne</u>	<u>Loudness perception and modeling of impulsive sounds</u> <u>R. Sottek, T. Moll</u>	<u>Active noise control with fast array recursive least squares filters using a parallel implementation for numerical stability</u> <u>A. Berkhoff, S. Van Ophem</u>	<u>The influence of finite sample size on surface impedance determination of materials with low sound absorption at low frequencies</u> <u>A. Färm, S. Boij, R. Glav</u>	<u>Analysis of a Spatially Discrete Sound Field Synthesis Array in a Reflective Environment</u> <u>V. Erbes, S. Weinzierl, S. Spors</u>
9:40	<u>Aku20 - Searching for Optimal Single Number Quantities in EN ISO 717 Correlating</u>	<u>Quiet Track - Monitoring of track roughness and track decay rate</u> <u>M. Höjer, M. Almgren</u>	<u>Improved method for determining the absorption coefficient of high reflective surfaces</u> <u>W. Schwanen,</u>	<u>Multimodal Method for Flow-induced Acoustic Resonance in Successive Deep Axisymmetric</u>	<u>Very high level impulse noises and hearing protection</u> <u>P. Hamery, V. Zimpfer, K. Buck</u>	<u>Spectral and Temporal Features as Estimators of the Irrelevant Speech Effect</u> <u>T.U. Senan, R. Navarro, M.</u>	<u>The spatial properties and local active control of road noise</u> <u>S. Elliott, W. Jung, J. Cheer</u>	<u>Sound sensor networks and smart cities</u> <u>Utilising the Strengths of Different</u>	<u>Room in Room Acoustics: the Influence of the Direct/Diffuse Sound Field Ratio in a</u>



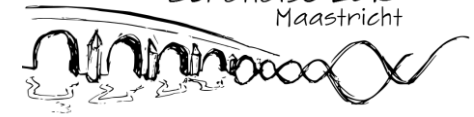
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	<u>Field Measurements 20-5000 Hz to Occupant's Ratings</u> <i>C. Simmons, F. Ljunggren</i>		<i>G. Van Blokland</i>	<u>Cavities in a Duct</u> <i>X. Dai, Y. Aurégan</i>		<i>Park, S. Jelfs, A. Kohlrausch</i>		<u>Sound Sensor Networks in Smart City Noise Management</u> <i>D. Manvell</i>	<u>Listening Room on Played Back Recorded Acoustics</u> <i>C. Hak, R. Wenmaekers</i>
10:00	coffee	coffee	<u>Three Approaches to Study the Reduction of Pavement Noise Performances over Time</u> <i>F. Anfosso Ledee</i>	<u>Liner Impedance Determination from PIV Acoustic Measurements</u> <i>A. Alomar, Y. Aurégan</i>	<u>Assessment of otoacoustic emission probe fit at the workflow using integrated calibration procedure</u> <i>V. Nadon, A. Bockstael, J. Voix, D. Botteldooren</i>	<u>Loudness of time-varying environmental sounds: Still a challenge for current loudness models?</u> <i>J.L. Verhey, J. Hots, J. Rennies</i>	<u>Recent advances in active noise and vibration control</u> <i>T. Bein, D. Mayer, S. Herold</i>	<u>An innovative approach for long-term environmental noise measurement: RUMEUR network in the Paris region</u> <i>F. Mietlicki, C. Mietlicki, M. Sineau</i>	<u>Modelling the Group Size for Prediction of the Noise Level in Eating Establishments</u> <i>D. Svensson, J. Brunskog, C.-H. Jeong</i>
10:20	<u>Airborne Sound Insulation of Vertical Partitions in an Apartment in Maceó-AL-Brazil</u> <i>R.C. Teixeira</i>	<u>Assessment of Noise Source Integration Effects within a Virtual Certification Process</u> <i>B. Betgen, U. Orrenius, S.</i>	coffee	<u>Acoustic characterisation of double-orifice configurations by means of a LES-SI approach</u> <i>C. Sovardi, W.</i>	<u>The impact in the workplace of hearing protector standards development</u> <i>E. Shanks</i>	coffee	<u>The Real-Time Performance of a Two-Dimensional ANC Barrier using a DSP and Common Audio</u>	<u>Barcelona noise monitoring network</u> <i>J. Camps</i>	<u>Sonic Crystal Acoustic Barriers</u> <u>Noise Certification of a Sonic Crystal</u>



	Auditorium 2 (592)	0.1 London (90)	0.2 Berlin (90)	0.3 Copenhagen (49)	0.4 Brussels (189)	0.6 Madrid (49)	0.7 Lisbon (47)	0.8 Rome (118)	0.9 Athens (118)
	<u>Penedo, M.</u> <u>Oiticica</u>	<u>Brunström</u>		<u>Polifke</u>			<u>Equipment</u> <u>C.</u> <u>Kleinhenrich,</u> <u>T. Weigler, D.</u> <u>Krahé</u>		<u>Acoustic</u> <u>Screen</u> <u>designed using</u> <u>a Triangular</u> <u>Lattice</u> <u>according to</u> <u>the Standards</u> <u>EN 1793(-1;-</u> <u>2;-3): 1997</u> <u>J.V. Sánchez-</u> <u>Pérez, S.</u> <u>Castiñeira-</u> <u>Ibáñez, C.</u> <u>Rubio, V.</u> <u>Romero-</u> <u>Garcia, L.M.</u> <u>García-Raffi</u>
10:40	<u>Satisfaction</u> <u>with sound</u> <u>insulation in</u> <u>residential</u> <u>dwellings -</u> <u>concrete walls</u> <u>vs. drywalls</u> <u>V. Hongisto, M.</u> <u>Suokas</u>	<u>On the</u> <u>Prediction of</u> <u>Track Decay</u> <u>Rates using</u> <u>Finite Element</u> <u>Models</u> <u>B. Betgen, G.</u> <u>Squicciarini, D.</u> <u>Thompson</u>	<u>Measurement</u> <u>of noise from</u> <u>electrical</u> <u>vehicles and</u> <u>internal</u> <u>combustion</u> <u>engine vehicles</u> <u>under urban</u> <u>driving</u> <u>conditions</u> <u>L.M. Iversen,</u> <u>R.S.H. Skov</u>	coffee	<u>Modeling the</u> <u>interaction</u> <u>between the</u> <u>hearing</u> <u>protector</u> <u>attenuation</u> <u>function and</u> <u>the hearing</u> <u>loss profile on</u> <u>sound</u> <u>detection in</u> <u>noise</u>	The effects of natural scenery on sound perception	Vehicle Sound Quality	coffee	<u>Experimental</u> <u>evidence of</u> <u>band gaps in</u> <u>periodic</u> <u>structures</u> <u>F. Morandi, S.</u> <u>De Cesaris, M.</u> <u>Miniaci, A.</u> <u>Marzani, M.</u> <u>Garai</u>



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					<u>C. Giguère,</u> <u>E.H. Berger</u>	<u>Lavandier</u>	<u>Simulations</u> <u>F. Duvigneau,</u> <u>S. Liefold, M.</u> <u>Höchstetter,</u> <u>J.L. Verhey, U.</u> <u>Gabbert</u>		
11:00	<u>Noise Requirements in Existing Buildings in Spain: New Proposals and the Existing Building Evaluation Report</u> <u>T. Carrascal</u> <u>García, A.</u> <u>Romero</u> <u>Fernández, B.</u> <u>Casla</u> <u>Herguedas</u>	<u>Reduction of Impact Noise of Trams on a Major Bridge</u> <u>M. Dittrich, C.</u> <u>Bosschaart, P.</u> <u>Wessels</u>	<u>Noise properties of there constructed highway D1 measured by CPX open trailer and stability of measured data in time and distance</u> <u>V. Krivanek, A.</u> <u>Pavkova</u>	<u>Hybrid Dissipative/Re active Silencer Predictions with Comparison to Measurement</u> <u>P. Williams, M.</u> <u>Åbom, J. Hill,</u> <u>R. Kirby, C.</u> <u>Malecki</u>	<u>Systematic Evaluation of the Relationship Between Subjective and Objective Measurement Methods of Hearing Protector Devices Attenuation</u> <u>H. Nélisse, C.</u> <u>Le Cocq, J.</u> <u>Boutin, J. Voix,</u> <u>F. Laville</u>	<u>The Effects of "Greening" Urban Areas on the Perceptions of Tranquillity</u> <u>G. Watts, R.</u> <u>Pheasant</u>	<u>Predicting the perceived Quality of impulsive Vehicle sounds</u> <u>M. Höchstetter,</u> <u>J.-M. Sautter,</u> <u>J.L. Verhey, U.</u> <u>Gabbert</u>	<u>Sound Sensor Network based Assessment of Traffic, Noise, and Air Pollution</u> <u>L. Dekoninck,</u> <u>D.</u> <u>Botteldooren,</u> <u>L. Int Panis</u>	<u>Towards the development of a software to design acoustic barriers based on Sonic Crystals: An overlapping model</u> <u>J.V. Sánchez-Pérez, S.</u> <u>Castiñeira-Ibáñez, C.</u> <u>Rubio</u>
11:20	<u>Neighbour and traffic noise annoyance at home - prevalence</u>	<u>Portraying Sounds Using a Morphological Lexicon</u> <u>M. Carron, T.</u>	<u>Integration of noise in Pavement Management Systems</u> <u>H. Bendtsen, R.</u>	<u>Acoustic damping of an annular tail-pipe under mean flow conditions</u>	<u>A Web App for Avoidance of Hazards Arising from Combinations of Personal</u>	<u>The effect of outdoor vegetation as seen from the dwelling's window on</u>	<u>There's a car coming? - Psychometric function for car pass-by in background</u>	<u>On the Use of Linear Regression for the Assessment of Stability in</u>	<u>The 2.5D MST for sound propagation through arrays of cylinders</u>



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	<u>and trends among Danish adults</u> <i>B. Rasmussen, O. Ekholm</i>	<i>Rotureau, F. Dubois, N. Misdariis, P. Susini</i>	<i>Stahlfest Holck Skov, L. Møller Iversen</i>	<i>R. Boonen, P. Sas, E. Vandembulck</i>	<u>Protective Equipment - Measurements on Reduction of Sound Attenuation of Ear Muffs by Goggle Sidepieces</u> <i>M. Liedtke, B. Hohmann</i>	<u>self-reported noise annoyance</u> <i>T. Van Renterghem, D. Botteldooren</i>	<u>noise based on simulated data</u> <i>A. Hoffmann, P. Bergman, W. Kropp</i>	<u>Noise Monitoring Networks: A Practical Example</u> <i>K. Sotirakopoulos</i>	<u>parallel to the ground</u> <i>B. Van Der Aa, J. Forssén</i>
11:40	<u>Evaluation method of rubber ball impact sound</u> <i>J. Jeong</i>	<u>Effects of Railway Ballast on the Sound Radiation From the Sleepers</u> <i>X. Zhang, D. Thompson, G. Squicciarini</i>	<u>30 Different Tyres On 4 Surface Types - How Do Truck Tyre Noise Levels Relate to the Test Surface</u> <i>G. Van Blokland, J. Kragh</i>	<u>Low Frequency Noise Attenuation inside Ducts using locally resonant periodic flush mounted Steel Patches</u> <i>M. Farooqui, T. Elnady, W. Akl</i>	<u>Standardized acoustic test fixtures for testing ear protection devices and noise cancelling headsets</u> <i>P. Wulf-Andersen</i>	<u>Effects of soundscape on rural landscape perception</u> <i>X. Ren, J. Kang</i>	<u>Analysis of vibrational comfort in a car equipped with a modified 3-cylinders engine</u> <i>A. Carbajo, V. Roussarie, E. Parizet, E. Diaz</i>	<u>Real Life Harmonic Source Localization using a Network of Acoustic Vector Sensors</u> <i>D. Pérez Cabo, H.E. De Bree, M.A. Sobreira Seoane, D. Fernandez Comesaña</i>	<u>The Sonic Window Project - Meeting the Trio Challenges of Providing Natural Ventilation, Daylight and Noise Mitigation</u> <i>H.P. Lee, L.B. Tan, K.M. Lim, K.M. Lim, N.C. Khoo</i>
12:00	Plenary lecture: Room								

Auditorium 2 (592)	0.1 London (90)	0.2 Berlin (90)	0.3 Copenhagen (49)	0.4 Brussels (189)	0.6 Madrid (49)	0.7 Lisbon (47)	0.8 Rome (118)	0.9 Athens (118)
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Acoustics

**Plenary
Lecture: The
Acoustics of
Places for
Social
Gatherings**
J.H. Rindel

12:50

13:40

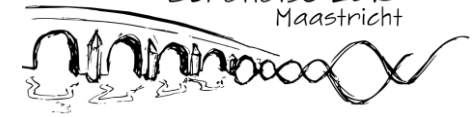
**Rail vehicle
source models
within a
virtual
certification
process**
*U. Orrenius, L.
Feng, M. Åbom*

**Soundscape
case studies**

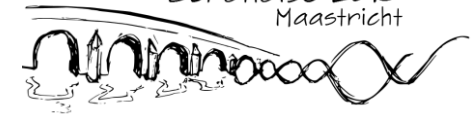
**Soundscapes,
human
restoration
and quality of
life**
*I. Van Kamp,
R. Klæboe, A.
Brown, P.
Lercher*

**Dynamic
Noise
Mapping
based on Fixed
and Mobile
Sound
Measurements**
*B. De Coensel,
K. Sun, W. Wei,
T. Van
Renterghem,
M. Sineau, C.
Ribeiro, A.
Can, C.
Lavandier, D.
Botteldooren*

14:00 **Airborne and Effective** **Perception The Effect of** **Overview of Healing** **Acoustic The Design** **Sensitivity of**



	Auditorium 2 (592)	0.1 London (90)	0.2 Berlin (90)	0.3 Copenhagen (49)	0.4 Brussels (189)	0.6 Madrid (49)	0.7 Lisbon (47)	0.8 Rome (118)	0.9 Athens (118)
	Impact sound transmission - prediction methods	abatement of railway noise in Germany <i>R. Weinandy, T. Myck</i>	and Assessment of Sound Quality	High Temperatures and Grazing Flow on the Acoustic Properties of Liners <i>H. Bodén, R. Kabral</i>	TANGO Thermoacoustic and aeroacoustic nonlinearities in green combustors with orifice structures , Maria Heckl	soundscape: hospital acoustics 2.0 <i>E. De Ruiter</i>	material design process: From microstructure to acoustics performance	and Calibration of Low Cost Urban Acoustic Sensing Devices <i>C. Mydlarz</i>	humans for low frequency noise
	Vibroacoustic Investigations of Light-Weight Ceilings - Modeling Aspects and Design Guidelines <i>M. Buchschmid, M. Kohrmann, G. Müller, U. Schanda</i>		Decision strategies in loudness judgments of time-varying sounds inferred from two psychophysical tasks <i>E. Ponsot, P. Susini, S. Meunier</i>				Unit-cell variability and micro-macro modeling of polyurethane acoustic foams <i>O. Doutres, M. Ouisse, N. Atalla, M. Ichchou</i>		Auditory Cortex Activation by Infrasonic and Low-frequency Sound of Equalized Individual Loudness <i>R. Kühler, M. Bauer, J. Hensel, T. Sander-Thömmes</i>
14:20 14:24	Comparison between calculated and measured performances of impact sound insulation for Cross	Noise prediction of a steel-concrete railway bridge using a FEM <i>J. Oostdijk, T. Wekenstroom, M. Vercaemmen</i>	Sound Quality Evaluation of Acoustical Environments with Multiple Sources <i>S. Skoda, J. Steffens, J. Becker-</i>	A reaction matrix method in waveguides with coupling resonances <i>L. Xiong, W. Bi, Y. Aurégan</i>	Source models in linearized approaches to computational aeroacoustics, Paula Martinez	Noise as a Stress Factor on Humans in Urban Environments in Summer and Winter <i>J. Stienen, T. Schmidt, B.</i>	On representative ness of the representative cells for the microstructure-based predictions of sound	Area-based environmental noise measurements using wireless sensor network <i>I. Kivelä, I. Hakala</i>	Trials of a protocol to support LFN sufferers in the UK <i>A. Moorhouse, D. Baguley, T. Husband, C. Banks, P.</i>



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	<u>Laminated Timber building elements</u> <u>C.C. Mastino,</u> <u>M. Marini, R. Baccoli, A. Di Bella, E. Solinas, N. Trulli</u>		<u>Schweitzer</u>			<u>Paas, M. Ziefle, J. Fels</u>	<u>absorption in fibrous and porous media</u> <u>T.G. Zielinski</u>		<u>Comiskey, T. Kay, A. Kenyon, D. McFerran, F. Penney, K. Smith, C. Whalley</u>
14:40	<u>Efficient and robust coupling of finite element and diffuse field models for sound transmission prediction</u> <u>E. Reynders</u>	<u>Characteristic s of rail pads tested at laboratory and under track conditions</u> <u>H. Venghaus, M. Toward, E. Scossa-Romano</u>	<u>Does the order of different successive vehicle pass-bys have an influence on the annoyance due to urban road traffic noise?</u> <u>L.-A. Gille, C. Marquis-Favre</u>	<u>Identification of a Rotating Sound Source in a Duct with High Spatial Resolution</u> <u>Y.-H. Heo, J.-G. Ih, H. Bodén</u>	Acoustic wave propagation through orifices in ducts, Susann Boij	<u>Vibrations from Blasting Activities Annoyance reactions from residents in neighbouring areas</u> <u>K. Ronny, A. Amundsen</u>	<u>Linking Micro Structure to Sound Absorption: An Experimental Study on Lime Based Plasters</u> <u>I. Meric Nursal, A. Tavukcuoglu, M. Caliskan</u>	<u>European noise policies</u> <u>WHO Environmental noise guidelines for the European Region</u> <u>M.-E. Heroux, W. Babisch, G. Belojevic, M. Brink, S. Janssen, P. Lercher, M. Paviotti, G. Pershagen, K. Persson Waye,</u>	<u>Methods to evaluate and mitigate low frequency noise</u> <u>Localisation of low frequency noise pollution areas in industrial environments</u> <u>J. Van Muijlwijk, L. Garcia Escribano, E. Jansen</u>

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								<u>A. Preis, S. Stansfeld, M. Van Den Berg, J. Verbeek</u>	
15:00	<u>Apparent Airborne Sound Insulation of Hybrid Wood-Concrete Masonry Assemblies</u> <u>C. Höller, B. Zeitler, J. Mahn, I. Sabourin, S. Schoenwald</u>	<u>Virtual testing within acoustic certification of rolling stock: challenges to be met in the future</u> <u>E. Bongini, U. Orrenius, M. Starnberg, A. Bistagnino</u>	<u>Influence of Context Effects on Sound Quality Assessments</u> <u>A. Fiebig</u>	<u>Reduction of Tonal Noise in a Centrifugal Fan using Guide Vanes</u> <u>K. Paramasivam, S. Rajoo, A. Romagnoli</u>	Acoustic absorption of micro perforated plates, Ines Lopez Arteaga	<u>The Influence of Social Context on the Perception of Student's Noise in the City of Groningen: A Qualitative Analysis</u> <u>K. Minoura, C. Driesprong, K. Profijt, K. McGee, T. Andringa</u>	<u>Predicted and Measured Anisotropic Acoustic and Elastic Properties for Open Cell Porous Material and Their Influence on Acoustic Performance in Typical Train Applications</u> <u>E. Lundberg, P. Göransson, U. Orrenius, P. Wennhage</u>	<u>Towards an complete Health Impact Assessment for Noise in Europe</u> <u>A. Van Beek, D. Houthuijs, W. Swart, E. Van Kempen, N. Blanes Guàrdia, F. De Leeuw, J. Fons</u>	<u>Social assessment of environmental lfn</u> <u>P. Sloven</u>
15:12									
15:20	<u>Acoustic Evaluation of Floating Floor Applications in Mechanical</u>	coffee	coffee	coffee			<u>Investigating the Effect of Indoor Soundscaping on Speech</u>	<u>Atypical dynamics of materials with periodic microstructur</u>	<u>Bearable railway noise limits in Europe</u> <u>F. Elbers, E. N. De Jong, G.</u>
15:36					Thermo acoustic instabilities in				

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	<u>Rooms</u> <u>M. Oguc, D. Hadzikurtes</u>				combustors, Maria Heckl	<u>Privacy in Open Offices</u> <u>V. Acun, S. Yilmazer</u>	<u>e and local resonance</u> <u>S. Hans, C. Boutin, C. Chesnais</u>	<u>Verheijen</u>	<u>De Meer, W. Reen, G. Hooiring, H. Breukelaar</u>
15:40 coffee		Developments in standards and policies for railway noise	<u>Perceptual evaluation of differences between original and synthesised musical instrument sounds</u> <u>A. Osses, C. Kim, A. Kohlrausch</u>	<u>Acoustic characterization of a multicavity muffler for broadband noise reduction in flow duct applications</u> <u>E. Perrey-Debain, R. Maréchal, B. Ouédraogo, J.-M. Ville</u>		<u>Sound in the museum</u> <u>K. Hjortkjær</u>	<u>Sound Absorption Measurements for Micro Perforated Plates: The Effect of Edge Profile</u> <u>M.A. Temiz, I. Lopez-Arteaga, A. Hirschberg</u>	coffee	<u>Assessment of low frequency noise due to wind turbines in relation to low frequency background noise</u> <u>E. De Beer</u>
		<u>Working with noise production ceilings for railway traffic</u> <u>C. Roovers</u>							
16:00	<u>Noise from Waste Water Pipes above a Suspended Ceiling</u> <u>T. Scheers, M. Vercammen</u>	<u>Research Study: Managing Noise from Parked Trains</u> <u>N. Isert, S. Lutzenberger, N. Craven, P. Hübner</u>	<u>Psychoacoustic filtering for noisy speech enhancement</u> <u>S. Alaya, N. Zoghlami, Z. Lachiri</u>	<u>Prediction of Air Flow Noise in Ducts due to the Presence of Fixed Obstacles</u> <u>N. Papaxanthos,</u>		coffee	coffee	<u>Triple A Tyres for Cost-effective Noise Reduction in Europe</u> <u>M. Dittrich, F. De Roo, S. Van Zyl, S. Jansen, E. De Graaff, J.</u>	coffee

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				<u>E. Perrey- Debain, S. Bennouna, B. Ouédraogo, S. Moreau, J.-M. Ville, F. Foucart</u>				<u>Sliggers</u>	
16:20	<u>Wave Based Modeling of Structure- Borne Sound Transmission in Finite Sized Double Walls</u> <u>A. Dijckmans</u>	<u>Acoustic Specification of Composite Brake-Blocks for Railway vehicles</u> <u>F. Letourneaux, F. Aubin</u>	<u>Psychoacousti c Evaluation of Rock Crushing Plant Noise</u> <u>J. Kataja, M. Antila, H. Isomoisio, J. Heikkilä, A. Karjalainen</u>	<u>Evaluation of Three Impedance Education Methods for Acoustic Liners Under Grazing Flow</u> <u>A. Amador Medeiros, J. Apolinário Cordioli</u>		<u>Soundscape Ecology</u> <u>Soundscape Analysis and Wildlife Presence in the Vicinity of a Wind Turbine</u> <u>J. Florentin, B. Fauville, M. Gérard, F. Moïny, P. Rasmont, G. Kouroussis, O. Verlinden</u>		<u>Future environmental noise impact for road and rail</u> <u>M. Dittrich, F. De Roo, A. Eisses</u>	<u>Low Frequency Noise: Figures, Facts and Myths. Results of a discourse between different stakeholders</u> <u>R. Van Poll, I. Van Kamp</u>
16:40	<u>Sound insulation of heavyweight walls with</u>	<u>Application of European Noise Legislation in</u>				<u>Acoustic management of Natural Parks:</u>		<u>Declaration on Better Tyres</u> <u>H. Wolfert, J. Sliggers</u>	<u>Clinical Protocol for Evaluating Pathology</u>

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<p><u>linings and additional layers: numerical investigation</u> <u>A. Santoni, P. Bonfiglio, P. Fausti, N. Zuccherini Martello</u></p>	<p><u>Rolling Stock Projects World-Wide</u> <u>S. Leth, U. Orrenius, L. Baures, B. Stegemann, G. Plessis, S. Lottiaux, S. Burdis, A. Carter</u></p>				<p><u>experience in Armañón Park</u> <u>I. Garcia Perez, A. Santander, I. Diez, P. Fernandez Alcala, L. Gutierrez, I. Aspuru</u></p>		<p><u>Induced by Low Frequency Noise Exposure</u> <u>M. Alves-Pereira, N. Castelo Branco</u></p>	
17:00	<p><u>Sound propagation within a double skin facade and its influence on the speech privacy in offices</u> <u>D. Urbán, M. Rychtáriková, P. Tomasovic, N.B. Roozen, C. Glorieux</u></p>	<p><u>Ten years of rail roughness control in the Netherlands - Lessons learned</u> <u>W. Schwanen, A. Kuijpers, J. Torbijn</u></p>					<p><u>Environmenta I Noise Policy: ways out of the crisis</u> <u>P. De Vos</u></p>	<p><u>Low Frequency Noise-Induced Pathology: Contributions provided by the Portuguese Wind Turbine Case</u> <u>N. Castelo Branco, M. Alves-Pereira</u></p>
17:20	Closing ceremony							