

Paper Listed by Paper Number

- 1 - Tues 9:00 Salon 11 *Simultaneous placement of sensors and actuators for active vibration control systems*
Thomas Haase
- 3 - Tues 2:40 Salon 2 *Impact noise annoyances*
Filip J.R. Verbandt, Jan Vandendriessche and Bart Van de Velde,
- 4 - Mon 12:00 Salon 4 *Influence of the mounting spring on the sound of car horns*
Jannis Klaus, Klaus Lange and Georg-Peter Ostermeyer
- 5 - Mon 4:00 Salon 4 *Towards the assessment of the noise level time-history for ground based transportation*
Roland Schuster, Arne Henning and Claus Wagner
- 6 - Mon 9:00 Nob Hill A *Concurrent finite element simulation of incident and diffracted flow noise in computational aeroacoustics*
Oriol Guasch, Arnau Pont, Joan Baiges and Ramon Codina
- 8 - Tues 9:00 Nob Hill D *ARTC's trial Hunter Valley rail noise abatement program*
Susan M. Kay nad Bas Bolyn
- 11 - Mon 11:00 Salon 5 *Multi-relaxation-time (MRT) lattice Boltzmann model for plane sound wave propagation*
Zhi-Kai Wang, Dong-Yan Shi, A-Man Zhang and Hong-Qun Li
- 13 - Tues 2:00 Salon 4 *Effects of different devices on acoustic radiation characteristics of underwater pyrotechnic combustion*
Jie Li, Hua Guan and Jun Du
- 16 - Wed 9:00 Salon 4 *Comparison of wooden windows of European and Scandinavian style glazed with triple glass units*
Kestutis Miskinis, Vidmantas Dikavicius and Arunas Burlingis
- 17 - Mon 11:20 Salon 5 *Investigation of streamwise oscillating characteristics of a near-wall circular cylinder*
Hong-Qun Li, Dong-yan Shi, Zhi-Kai Wang and Hong-Xu AI
- 18 - Mon 2:00 Salon 5 *Research on the acoustic radiation characteristics of the submarine ship structure*
Fu-zhen Pang, Hong-bao Song, Xue-ren Wang, Chaung Wu
- 19 - Tues 11:20 Salon 10 *An assessment of noise exposure along the High Line, New York City*
E.P. Bourdeau, X.Y.K. Zheng, E.A. King and F. Pilla
- 20 - Tues 9:40 Salon 12 *The prediction of the diffuse field sound absorption of perforated panel systems*
David James Larner and John Laurence Davy
- 21 - Tues 9:20 Salon 6 *Acoustic attenuation prediction of splitter silencers by using combined BEM and point collocation approach*
Liang Yang, Zhenlin Ji and T.W. Wu
- 22 - Tues 4:40 Salon 14 *Scattering of anti-plane SH-wave by multiple cylindrical cavities and fixed surface in elastic semi-space*
Hongliang Li and Qianwen Hang

- 25 - Mon 9:00 Salon 11 *Reduction of broadband noise in vehicles by means of active feedforward control*
Malte Misol, Thomas Haase and Hans Peter Monner
- 28 - Mon 4:20 Salon 15 *Experimental investigation into noise induced by low speed cavity flow*
Xiao-Jina Zhao, Peng Fei Li and Lei Zhao
- 29 - Tues 9:20 Salon 11 *The simulation study on vibration and shock integrated control of two-stage vibration isolation system*
Yun-Bo Hu, Zi-Hao Liu, Wan-You Li, Zhi-Peng Wang and Zhi-Jun Wang
- 31 - Wed 9:00 Salon 2 *SAE international noise standards*
James K. Thompson
- 32 - Mon 10:00 Salon 10 *Construction vibration monitoring for sensitive facilities*
Steven B. Lank and Blong Xiong
- 34 - Wed 9:00 Salon 12 *Subjective and instrumental evaluation of noise from a fuel metering pump of a parking heater*
Hugo Fastl and Dimitar Boskov
- 36 - Wed 9:20 Salon 12 *Psychological evaluation of transmitted sounds in living spaces*
Sonoko Kuwano, Seiichiro Namba, Heiichiro Ohkawa and Kyoichi Amakawa
- 37 - Mon 9:00 Salon 3 *Tranquility trails - Linking positive soundscapes for healthier cities*
Greg Watts and Rob Pheasant
- 38 - Wed 9:20 Salon 2 *Flaws in loudness standard ANSI S3.4-2007: The derivation of nonzero sensation at absolute detection threshold is circular*
Lance Nizami
- 39 - Tues 5:20 Salon 10 *Some regulatory implications of the 2015 revision of ISO's 1996-1 standard*
Sanford Fidell and Truls Gjestland
- 40 - Tues 5:00 Salon 14 *Flexural wave scattering by multiple arbitrary holes in an infinite thin plate*
Jing Guo and Hongliang Li
- 41 - Tues 1:40 Nob Hill C *Measurement method for the acoustic evaluation of benefits from innovative dispatch towing technologies At Frankfurt Airport*
Katja Hein and Sebastian Baumann
- 42 - Mon 4:40 Salon 5 *Experimental validation of small piezoelectric end sensors for unsteady force measurement*
Margalit Z. Goldschmidt, Michael Jonson and George Lesieutre
- 43 - Tues 10:40 Salon 5 *A hybrid FEA-SEA model of an engine enclosure*
David C. Copley and Jiantie Zhen
- 44 - Tues 5:20 Salon 1 *Self-reported and objectively measured outcomes assessed in the Health Canada Wind Turbine Noise and Health study: Results support an increase in community annoyance*
David S. Michaud
- 45 - Tues 9:00 Nob Hill B *Analytic ray curve tracing for outdoor sound propagation*

- 46 - Tues 11:20 Salon 11 Q. Mo, D. Manocha, H. Yeh and M. Lin
Significant reduction of vibration and sound in plates at selected modes with combined active and passive damping patches
- 47 - Wed 9:20 Salon 4 Joseph Plattenburg and Rajendra Singh
An electronic database of facade sound isolation
- 48 - Wed 2:20 Nob Hill B Anthony Nash
Prediction of highway noise barrier insertion loss taking into account overlapping barriers, openings and gaps effects
Panos Economou, Panagiotis Charalampous and Richard J. Peppin
- 50 - Tues 1:40 Salon 5
Condensed Transfer Function (CTF) method as a tool for substructuring vibro-acoustic problem
Laurent Maxit and Valentin Meyer
- 52 - Tues 3:40 Salon 1
Field comparison of IEC 61400-11 wind turbines - Part 11: Acoustic noise measurement techniques: Edition 3.0 and Edition 2.1
Rob Jozwiak, Allan Munro, Duncan Halstead and Addie Denison
- 53 - Wed 2:00 Salon 5
Approximate equations for the radiation impedance of a rectangular panel
John L. Davy, David J. Lerner, Robin R. Wareing and John R. Pearse
- 54 - Wed 3:00 Salon 2
Isolation of lightweight wood structures from ground-borne railway vibration
Scott Harvey and Matthew Reihl
- 56 - Tues 10:00 Salon 13
Study on annoyance, disturbance and disease due to the combined noises from road traffic and viaduct rail transit
Guo-Qing Di, Dan-Qun Fang and Ya-Qian Xu
- 58 - Mon 3:00 Salon 13
Practical and controlled laboratory vibration experiments that demonstrate the impulsive response of multi-staged clutch dampers
Michael D. Krak and Rajendra Singh
- 59 - Tues 9:00 Salon 10
Questionnaire survey of students' and teachers' perception on sound quality in elementary school in Guangzhou
Jundong Wang and Jianxin Peng
- 60 - Mon 10:00 Salon 4
Vibroacoustic modeling of a trimmed truck cab in the mid frequency range
Y. Gerges, H.D. Hwang, K. Ege, L. Maxit and C. Sandier Maxit
- 61 - Mon 5:00 Salon 5
Aerodynamic noise prediction of a fan coil cassette unit using LBM
Mohammed Meskine, Min-Suk Kim, Franck Perot, Francesco Polidoro, Yann Polidoro, Francette Fournier and Pierre Jean Vialle

- 63 - Mon 11:40 Salon 4 *Study and application of the structure-borne noise reduction in automotive vehicles by optimizing the panel ribs, damping, and sound packages*
Ji Woo Yoo, Sang-Woo Lee, Francesca Ronzio, Theophane Courtois and Jan Courtois
- 64 - Tues 9:00 Salon 6 *Procedure to estimate the acoustic performance of the particle oxidation catalyst POC with low Mach-number flows*
Antti Hynninen and Mats Abom
- 65 - Mon 10:40 Salon 4 *Cabin boom analysis to quantify structure-borne and air-borne sources*
P.D. Jawale, A. B. Shewale, E. Ramachandran and N.V. Karanth
- 66 - Mon 9:00 Salon 12 *Control strategies for a distributed active acoustic skin*
Sami Karkar, Herve Lissek, Manuel Collet and Marc Ouisse
- 67 - Tues 3:40 Salon 12 *On the use of the transformation acoustics approach in aeroacoustics*
Umberto Iemma
- 70 - Tues 5:00 Salon 13 *Study of factors governing intelligibility in multi-speaker environments from an experiment with a large panel of listeners*
Patrick Chevret and Veronique Zimpfer
- 71 - Tues 4:00 Nob Hill D *Mitigation of ground vibration at the top surface by means of an horizontal wave barrier*
Loic Grau and Bernard Laulagnet
- 72 - Tues 2:00 Salon 3 *Measurement and evaluation methods for the sound quality of smartphones*
Gregor Feneberg
- 73 - Wed 9:40 Nob Hill D *Using bridge bearings as a vibration mitigation measure for transit aerial structures*
Shannon McKenna
- 74 - Wed 9:40 Salon 5 *Tutorial on infinite panel sound transmission loss simulations*
Stephen A. Hambric
- 75 - Wed 10:40: Nob Hill C *NCHRP 10-76 Barriers and Quieter Pavement for Traffic Noise Abatement: Review and Legacy*
Judith Rochat, Paul Donovan and Dana Lodico
- 76 - Tues 9:00 Salon 1 *Measurements of the air-borne and structure-borne sound power transmission through a quiet honeycomb core sandwich panel for a rotorcraft roof*
Stephen A. Hambric, Micah C. Shepherd and Noah H. Schiller
- 77 - Wed 1:40 Salon 2 *Dynamic stiffness evaluation of floor covering system made of recycled EVA - Ethylene Vinyl Acetate*
Leticia K. Zuchetto, Maria Fernanda O. Nunes and Bernardo F. Tutikian
- 78 - Wed 9:40 Salon 2 *ANSI/ASHRAE/IES/USGBC 189.1 - Standard for the Design of High-Performance Green Buildings*
Erik Miller-Klein

- 80 - Wed 9:40 Salon 13 *Life-cycle costs and infrastructural investments induced by unconventional low-noise aircraft*
Umberto Iemma, Fabio Pisi Vitagliano and Francesco Centracchio
- 81 - Tues 4:00 Salon 12 *Phononic crystal slab optimization by means of resonant interface layers*
Pierre Meresse, Christian Audoly, Ygaal Renou, Charles Croenne and Anne Christine Croenne
- 82 - Mon 9:00 Nob Hill B *Sound reflection and sound insulation measurement on a sonic crystal noise barrier according to the new European methodology*
M. Garai, P. Guidorzi, F. Morandi and A. Marzani
- 83 - Wed 2:00 Salon 2 *Effects of noise flanking paths on Ceiling Attenuation Class (CAC) ratings of ceiling systems and inter-room speech privacy*
Gary S. Madaras and Andy E. Heuer
- 84 - Mon 9:20 Salon 14 *Design review of temporary attachment for comprehensive vibration assessment program of APRI400*
Byeong-Wook Noh, Dong-Wa Lee and Do-Koung Ko
- 85 - Mon 1:40 Salon 10 *Sound preference development and correlation to service incident rate*
Terry Hardesty, Eric Frank, Todd Freeman and Gabriella Cerrato
- 87 - Mon 11:40 Nob Hill B *Propagation of sound around different noise barrier models using a novel three-dimensional scan based sound visualization technique*
Jasper Serraris
- 88 - Mon 9:00 Salon 10 *Development and policy analysis of an effective noise management strategy for Port Metro Vancouver*
Gary C. Olszewski and Julia Ren
- 90 - Tues 3:40 Salon 11 *Control of infrasonic noise from mechanical ventilation systems in sensitive imaging laboratories*
Steven B. Lank and Michael L. Gendreau
- 92 - Wed 1:40 Nob Hill A *Strategies for the effective reduction of aircraft noise exposure at German airports*
Rainer Friedrich and Carl-Herbert Rokitansky
- 93 - Mon 9:00 Salon 5 *Noise prediction of in-design FPSO (Floating Production Storage and Offloading)*
Fangsen Cui and Hui Zheng
- 96 - Tues 2:40 Salon 14 *Experimental investigation on the dynamics of pipes conveying fluid based on strain gauge test*
Yunlong Zhao, Guichen Zhang and Yong Zhou
- 97 - Tues 12:00 Nob Hill C *Key issues in aviation noise management*
Diana Sanchez, Bernard Berry, Andy Knowles and Bernard Berry
- 98 - Mon 9:40 Salon 13 *Acoustic characteristic of a bat inspired membrane wing with adaptive compliances*

- Zhenbo Lu, Quoc Viet Nguyen, Woei-Leong Chang and Marco Debiasi
 100 - Mon 2:40 Nob Hill C *Localization of incoherent multiple sources using three-dimensional sound intensity array*
- Filip Franek, Jeong-Guon Ih and Efen Fernandez Grande
 101 - Mon 9:40 Salon 14 *Natural frequencies of clamped and simply-supported beam carrying concentrated masses with rotary inertia*
- Longxin Zhen, Aijun An and Xiaolei Teng
 102 - Tues 11:20 Nob Hill C *Influence of temporal aspects of aircraft sound signature on perceived unpleasantness*
- Arthur Pate, Catherine Lavandier and Antoine Minard
 103 - Tues 9:40 Salon 6 *Comparison of numerical approaches for the acoustic modelling of dissipative silencers with temperature gradients and mean flow*
- E.M. Sanchez-Orgaz, F.D. Denia, J. Martinez-Casas and L. Baeza
 104 - Mon 11:00 Salon 4 *Insight into brake squeal source mechanism considering kinematic nonlinearity and pad-disc separation*
- Osman Taha Sen and Rajendra Singh
 105 - Mon 9:40 Salon 15 *An analytical study of the mode-coupling effect on the instability of friction induced vibrations to guide design of a squeak test apparatus*
- Gil-Jun Lee, Jay Kim and Kichang Kim
 107 - Tues 11:00 Nob Hill A *The effect of tire aging on acoustic performance of CPX reference tires*
- Beata Swieczko-Zurek, Jerzy Ejsmont, Piotr Mioduszewski, Grzegorz Ronowski and Stanislaw Ronowski
 109 - Mon 9:00 Salon 4 *Mixed-mode signal detection of road vehicle vibration using Hilbert-Huang transform*
- Julien Lepine, Michael Sek and Vincent Rouillard
 111 - Tues 3:00 Salon 2 *The architectural acoustic design of ultra high-rise building ---- take "Z15 Tower" • as an example*
- Quan Li, Xiang Yan, Jianghua Wang and Jing Su
 115 - Mon 3:40 Salon 1 *Quality assurance and harmonisation of noise mapping projects*
- Andreas R. Novak
 117 - Mon 4:00 Nob Hill C *Inverse estimation of sectional gas temperature in a duct having multiple temperature peaks*
- Jeong-Guon Ih and Tae-Kyoon Kim
 122 - Mon 4:40 Salon 15 *Comparison of acoustic source localization methods in time domain using sparsity constraints*
- Thomas Padois, Franck Sgard, Olivier Doutres and Alain Berry
 123 - Wed 9:40 Salon 6 *The measurement of source strength and impedance on a Diesel engine*
- Yitian Zhang, David W. Herrin, Jiawei Liu and Gayatri Kadlaskar

- 124 - Wed 9:00 Salon 15 *Comparison of numerical and experimental results of noise controls for a longwall shearer cutting drum*
Hugo E. Camargo, Mingfeng Li and Lynn Alcorn
- 125 - Mon 2:20 Salon 13 *Impact of acoustic standing waves on structural responses*
Ali R. Kolaini
- 126 - Tues 2:20 Salon 11 *Development of a voice shutter (Phase 2: Open type)*
Masaharu Nishimura, Koji Shiratori, Kazunori Sakurama and Shin-Ichiro Nishida
- 127 - Tues 2:20 Salon 14 *The distribution analysis of non-obstructive particle damping in aluminum cantilever beam*
Xiaofei Lei, Chengjun Wu and Dongqiang Wang
- 128 - Tues 9:20 Nob Hill C *BEM technique for acoustic field analysis of a turboprop aircraft in cruise flight*
Yong Woo Lee and Duck Joo Lee
- 129 - Mon 1:40 Salon 15 *Sound pulse generation using the post-processing inverse filter*
Yang Dai, Jian-Hua Yang and Hong Hou
- 130 - Tues 9:00 Salon 3 *Perceptive representation of aircraft noise unpleasantness at landing*
Jean-Francois Sciabica, Anne-Laure Verneil and Stefan Moal
- 131 - Mon 9:20 Salon 3 *Fr-ag-me-nt-at-ion and interdisciplinary research framework*
Frans Mossberg
- 132 - Mon 9:00 Nob Hill C *Mitigating the effects of heavy weight drops on building structures*
Richard Sherren
- 133 - Mon 2:20 Salon 6 *Visualization of small design modifications using differential beamforming*
Steffen Schmidt and Dirk Dobler
- 134 - Wed 9:20 Salon 15 *Acoustic characteristics analysis on the jumbo drill noise*
Mingfeng Li, Jeffrey S. Peterson and Jessie J. Mechling
- 135 - Mon 1:40 Salon 12 *Sound absorption of egg boxes and trays*
Antonio P.O. Carvalho and Sonia C.P. Vieira
- 137 - Wed 11:20 Salon 14 *Vibration control using grids of acoustic black holes: How many is enough?*
Stephen C. Conlon, John B. Fahnlne, Micah R. Shepherd and Philip A. Feurtado
- 138 - Wed 9:40 Salon 15 *Laboratory evaluations of a 25-mm drill bit isolator to reduce noise from roof bolting machines in underground coal mines*
Amanda S. Azman, Lynn Alcorn and Mingfeng Li
- 139 - Mon 2:20 Nob Hill A *Noise and vibration from road discontinuities*
Judith Rochat and Tony Evans
- 140 - Tues 9:40 Salon 10 *Environmental noise performance: The detail of the building shape influence*
Rafaella Estevao da Rocha, Stelamaris Rolla Bertoli and Alexandre Virginelli Maiorino
- 141 - Tues 5:20 Salon 14 *Study of parameters influencing pneumatic nail-gun noise*
Zahra Nili Ahmadabadi, Frederic Laville and Raynald Guilbault

- 142 - Wed 10:00 Salon 15 *Beamforming and coherence analysis of a single boom jumbo drill*
Jeffrey Shawn Peterson, Hugo Camargo and Mingfeng Li
- 143 - Mon 9:20 Salon 4 *Wavelet transform to index road vehicle vibration mixed mode signals*
Julien Lepine, Vincent Rouillard and Michael Sek
- 148 - Tues 3:40 Salon 13 *Evaluation of speech hearing of Japanese speech with ear plugs in the noisy environment*
Shinji Kohata, Jinro Inoue, Takao Sakuma, Tomo Nakagawa, Shoko Nakagawa and Seichi Horie
- 150 - Mon 2:00 Salon 4 *Acoustic characteristics and design refinement in electric vehicle development*
Ming Une Jen and Ming-Hung Lu
- 151 - Mon 1:40 Nob Hill B *Dissimilarity based perceptual categories of underwater targets and related auditory features*
Chen Kean, Yang Lixue and Sang Zhiming
- 152 - Mon 9:20 Salon 11 *Experimental study of control position determination for active noise control of residential slit openings*
Ken Anai
- 153 - Tues 11:00 Salon 11 *Vibration control system using smart fluid actuators*
Seung-Bok Choi and Jong-Seok Oh
- 155 - Tues 4:20 Nob Hill D *Introduction of floating slab track system on springs applied to highly sensitive areas*
Thomas Jaquet
- 156 - Tues 11:40 Salon 13 *The influence of acoustic treatments in a hospital corridor*
Zhixiao Deng and Hui Xie
- 158 - Mon 11:40 Salon 3 *Soundscape design and mapping of water features used over road traffic noise*
Francesca M.A. Calarco and Laurent Galbrun
- 159 - Mon 2:00 Salon 15 *A proposed technique for measuring and comparing crowd noise from sporting events*
Andrew R. Barnard
- 160 - Mon 9:20 Salon 6 *Low frequency noise investigation and solution for a large diesel engine factory in the city*
Zengxin Gao, Sami Oksanen, Kari Saine, Jouni Hartikainen and Roy Hartikainen
- 162 - Mon 2:40 Salon 13 *High-speed optical digital holography, contactless and full field metrological tool for vibroacoustics applications*
Julien Poittevin, Pascal Picart, Francois Gautier and Charles Pezerat
- 163 - Wed 11:20 Salon 13 *Assessment of noise and infrasonic noise at workplaces in the wind farm*
Dariusz Pleban and Jan Radosz
- 165 - Wed 9:00 Salon 10 *Uncertainty quantification in numerical and experimental models of structural vibration problems*
P. Langer, K. Sepahvand and S. Marburg

- 166 - Wed 12:00 Nob Hill C *Mapping heavy vehicle noise source heights for highway noise analysis*
Carrie Janello and Paul Donovan
- 167 - Tues 1:40 Nob Hill A *Conclusion of the long-term evaluation of open-grade asphalt for the reduction of traffic noise: Interstate 80 (I-80) Davis Project*
Carrie Janello and Paul Donovan
- 169 - Wed 11:20 Nob Hill A *Acoustics and the Public-Private Partnership (P3) process*
Nicholas Sylvestre-Williams
- 171 - Tues 10:40 Salon 12 *General models for acoustical properties of porous media, and reduction to simpler models*
D.K. Wilson
- 172 - Wed 2:20 Salon 13 *Designing a townhouse complex that shares a wall with a cinema*
Nicholas Sylvestre-Williams, Derek Flake and Dylan Salazaar
- 173 - Tues 3:00 Salon 15 *Acoustic characteristics of four subway stations in Naples, Italy*
Umberto Berardi, Gino Iannace and Giovanna Giordano
- 175 - Tues 4:00 Salon 11 *Case study of a 10-story office building with four 200,000 CFM fan-wall arrays*
Tyler Adams and Mei Wu
- 176 - Tues 3:40 Salon 2 *Identifying impacts of amplified sound in commercial spaces below residences in mixed-use buildings*
Tyler Adams and Mei Wu
- 177 - Mon 10:00 Salon 14 *Free vibration analysis of coupled open conical-cylindrical shells with arbitrary boundary conditions*
Yun-Ke Zhao, Dong-Yan Shi, Qing-Shan Wang and Huan Meng
- 178 - Mon 11:40 Salon 14 *Shock resistance simulation in time domain and experiment study for the hung condenser*
Qian Liang, Dong-yan Shi, Qing-shan Wang and Tao Zhang
- 181 - Mon 9:00 Salon 2 *Characterization of diffusivity based on spherical array processing*
Melnola Nolan, Efren Fernandez-Grande and Cheol-Ho Jeong
- 184 - Wed 12:00 Nob Hill B *Evaluation of FHWA's Traffic Noise Model in a sanitized environment*
Monty Rahman
- 186 - Wed 2:20 Salon 2 *Optimal design of duct openings in naturally-ventilated buildings*
Vivek V. Shankar and Murray Hodgson
- 187 - Tues 10:40 Salon 14 *Effect of resonance scatterers on acoustic wave propagation in buried water pipes*
Yan Gao, Yuyou Liu, Jun Yang and Jing Tian
- 189 - Mon 1:40 Nob Hill C *Indirect force identification using strain sensor*
Jiannan Yang, Takashi Yoshizawa and Yasushi Takano
- 190 - Tues 4:00 Salon 13 *Measurement of earplugs insertion loss using a classical impedance tube*

- 191 - Mon 10:40 Salon 14 Olivier Doutres, Franck Sgard and Guilhem Sgard
Analysis of dynamic response of thin-walled structure subjected by thermal-acoustic loading
Shun-Ming Li, Xiao-Hong Chen, Saho-Jiang Lai and Yi-Yong Li
- 192 - Tues 9:20 Nob Hill B A method for simulation of rotorcraft fly-in noise for human response studies
Stephen A. Rizzi and Andrew Christian
- 193 - Tues 9:40 Nob Hill B Experiments on the loudness-transfer of headphone-based virtual acoustics
Florian Volk and Hugo Fastl
- 194 - Tues 9:00 Salon 5 Regularisation of the equivalent source method for robust numerical modelling of acoustic scattering
Bhan Lam, Stephen Elliott, Jordan Cheer and Woon-Seng Gan
- 195 - Wed 2:20 Nob Hill A Comparative study of sound power level measurements under the quality powered mechanical equipment system in Hong Kong
Chi-wing Law, Ho-wing Leung, Cheung-lam Wong and Ki-tin Ma
- 196 - Mon 9:20 Salon 12 A hybrid Finite Element-Transfer Matrix method for the modeling of vibroacoustic systems with attached noise control treatment
Luca Alimonti and Nouredine Atalla
- 197 - Tues 4:00 Salon 1 Horizontal directivity characteristics of noise emitted from different wind turbines
Yasuaki Okada, Koichi Yoshihisa, Teruo Iwase, Kazuki Higashi and Naoto Higashi
- 200 - Tues 5:00 Nob Hill C Acoustic design of new terminal building at Incheon International Airport using computer modeling
Chan-Hoon Haan and Chan-Jae Park
- 201 - Mon 9:00 Salon 1 Improvement of sound insulation performance of walls using autoclaved lightweight concrete blocks
Chan-Hoon Haan and Seong-Shin Hong
- 202 - Tues 1:40 Salon 3 Product sound design platform based on IDCAE utilizing sound quality metrics
Koichi Ohtomi
- 204 - Wed 11:00 Salon 6 Structural damage detection using auto correlation function of vibration response under white noise excitation
Muyu Zhang, Ruediger Schmidt and Bernd Markert
- 205 - Mon 11:00 Salon 14 Stochastic evaluation of floor slab vibrations due to human walking
Keiji Masuda, Masanao Nakayama and Toshiyuki Ogawa
- 206 - Tues 1:40 Salon 11 A proposal of active noise control not depending on the acoustic transfer characteristic and its extension to repeated impulsive sound
Tatsuhiko Goto, Akihiko Enamito and Osamu Nishimura

- 208 - Tues 4:00 Salon 6 *Circular duct silencers using duct walls with micro-slits*
T.E. Vigran and T., Haugen
- 209 - Tues 10:00 Nob Hill B *Auralization of tonal rotor noise components of a quadcopter flyover*
Andrew Christian, D. Douglas Boyd Jr., Nikolas S. Zawodny and Stephen A. Rizzi
- 211 - Mon 4:00 Salon 5 *Turbofan broadband noise predictions using a 3D ZDES rotor blade simulation*
Cyril Polacsek, Virginie Bonneau, Lionel Castillon, Julien Marty and Mathieu Marty
- 212 - Mon 10:40 Salon 3 *Subjective speech intelligibility and soundscape perception of English, Polish, Arabic and Mandarin*
Kivanc Kitapci and Laurent Galbrun
- 213 - Tues 4:20 Salon 11 *An investigation into HVAC directivity: Theory versus reality 2.0*
Tim Wiens, Michael Masschaele, Gordon Reusing and Slavi Grozev
- 214 - Mon 4:20 Salon 5 *A numerical simulation method of shock-wave propagation in turbofan intakes*
Johan Thisse, Cyril Polacsek, Serge Lewy and Julien Mayeur
- 215 - Wed 9:20 Salon 6 *Comparison of noise control effectiveness between bladder-style and liner-style hydraulic noise control Devices*
Elliott Gruber, Ryan Salmon, John McGrael and Kenneth Cunefare
- 218 - Tues 9:20 Salon 1 *Vibrational behavior of multi-layer plates in broad-band frequency range: Comparisons between experimental and theoretical estimations*
Kerem Ege, Valentin Henry, Quentin Leclere, Renaud G. Rinaldi and Celine Rinaldi
- 221 - Mon 9:40 Salon 11 *In-situ adaptive speech enhancement using directional microphone applied to magnetic resonance imaging*
Guohua Sun, Mingfeng Li, Brent W. Rudd, Teik C. Lim, Jeffrey Lim, Elizabeth M. Fugate and Jine-Huei Lee
- 222 - Wed 10:00 Salon 6 *A study on noise transmissibility prediction of rubber bellows in air induction systems*
Weiguo Zhang, Mac Lynch, Anneleen Van Gils and Karthik Balachandran
- 223 - Wed 10:00 Salon 2 *Challenges for high-frequency primary calibration of vibration: Pico-meter metrology*
Wan-Sup Cheung and Kyungmin Baik
- 225 - Wed 10:40 Nob Hill A *Meeting the needs with environmental noise policies*
Marion Burgess
- 226 - Mon 12:00 Salon 3 *Priority of the acoustic environment for earthquake victims: a survey of highway-side disaster-response public housing*
Koji Nagahata and Yuta Okazaki

- 227 - Tues 5:20 Salon 12 *Metamaterial-inspired structure for improved low-frequency acoustic noise mitigation*
Anuj Rekhy, Ryan Aiken and James M. Manimala
- 229 - Mon 2:00 Nob Hill B *Investigation into the psychoacoustics of major and minor musical chords*
Gregory Goetchius
- 230 - Tues 3:40 Salon 6 *Analysis of the interaction between cascade sub-chambers using acoustic scattering matrix method*
Yuhui Tong, Xiang Yu, Jie Pan and Thomas Graf
- 231 - Mon 2:20 Salon 15 *Sound localization on the median plane based on simulated-binaural room impulse responses*
Taku Yoshimura, Yuto Konishi, Daisuke Ikefuji, Masato Nakayama and Takanobu Nakayama
- 232 - Tues 10:40 Nob Hill B *Auralisation and visualisation of future air traffic from Lelystad Airport*
Michael Arntzen
- 233 - Tues 4:40 Salon 5 *Low frequency sound transmission of plates in an impedance tube*
Hyun-Sil Kim, Jae-Seung Kim, Bong-Ki Kim and Seong-Hyun Lee
- 234 - Mon 2:40 Salon 15 *Reproduction of human-phonatory radiation characteristic for continuous speech*
Taku Yoshimura, Naoki Yoshimoto, Daisuke Ikefuji, Masato Nakayama and Takanobu Nakayama
- 235 - Mon 3:00 Salon 15 *Acoustic-based surveillance system based on emergency sound detection with three microphones*
Tomoyuki Mizuno, Kohei Hayashida, Masato Nakayama and Takanobu Nishiura
- 236 - Wed 11:40 Salon 12 *Study on a reproduce level of an announcement at a station for the elderly user*
Sohei Tujimura and Yasuhiko Izumi
- 237 - Wed 10:00 Salon 5 *Prediction of the acoustic performance of lightweight wood-based floor*
Catherine Guigou Carter and Corentin Coguenanff
- 238 - Wed 2:40 Salon 2 *Acoustic comfort evaluation in lightweight wood-based and heavyweight concrete-based buildings*
Catherine Guigou Carter and Nicolas Balanant
- 239 - Mon 9:20 Salon 1 *Junction characteristics for predicting acoustic performance of lightweight wood-based buildings*
C. Guigou Carter and M. Villot
- 244 - Wed 2:00 Nob Hill A *Legal adaptation of the establishment of flight routes - Deficit analysis and reform proposals*
Annett Zeisler, Percy Appel, Roman Thierbach, , , , , , , ,
- 245 - Wed 12:00 Nob Hill A *Public participation in the legal definition of flight procedures in Germany*
Percy Appel, Roman Thierbach and Annett Zeisler

- 246 - Mon 9:40 Salon 1 *Extending EN 12354 sound insulation modelling to composed, light weight building systems*
Eddy Gerretsen
- 247 - Wed 1:40 Salon 6 *SMA mesh washer applications for launch and on-orbit vibration isolation*
Seong-Cheol Kwon, Su-Hyeon Jeon and Hyun-Ung Oh
- 248 - Tues 10:40 Salon 3 *Sound quality analysis of electric parking brake*
Bahare Naimipour, Giovanni Rinaldi, Valerie Schnabelrauch, Andrea Cerutti and Cristian Cerutti
- 249 - Tues 2:00 Nob Hill C *Sound emission of heavy helicopters*
Jan Anders Marheim, Kare H. Liasjo and Eyjolf Osmundsen
- 250 - Mon 1:40 Salon 13 *Determination of the bearing quality by means of vibroacoustic response*
Stanislav Ziaran, Milos Musil, Ondrej Chlebo and Peter Solec
- 251 - Mon 3:40 Salon 15 *Acoustic particle velocity for fault detection of rotating machinery using tachless order analysis*
G. Carrillo Pousa, D. Fernandez Comesana and J. Wild
- 252 - Wed 10:40 Salon 5 *Measurements of flow-induced excitation of lightweight vehicle structures*
Judith Galuba and Carsten Spehr
- 253 - Mon 11:20 Salon 14 *Modeling, testing and designing low frequency impact isolation solutions for building structures with fitness centers above grade*
Norman Varney
- 254 - Mon 11:40 Salon 6 *FPGA implementation of a real-time filter and sum beamformer for acoustic antenna*
A. Netti, G. Diodati, F. Camastra and V. Quaranta
- 255 - Mon 11:00 Salon 10 *Comparing air blast noise prediction using the OSMRE regression analysis approach, ISO 9613-2, and simple geometric spreading*
Scott Noel, Tricia Pellerin and Erik Kalapinski
- 256 - Mon 2:00 Nob Hill A *Developing tools to support multimodal environmental modeling*
Christopher Roof, Gregg Fleming, Aaron Hastings and Andrew Hansen
- 257 - Wed 11:00 Salon 5 *Assessment of analytical predictions for diffuse field sound transmission loss*
Noah H. Schiller and Albert R. Allen
- 260 - Wed 2:40 Salon 13 *Layered composite for impact noise reduction in floors*
Aline Zini, Maria Fernanda de Oliveira Nunes, Ana Maria Coulon Grisa, Daniel Tragnago Pagnussat and Mara Tragnago Pagnussat
- 261 - Tues 4:40 Salon 11 *A comprehensive refrigeration system noise study across 20 existing stores in a grocery store chain*
Jeff Teel

- 262 - Wed 10:40 Salon 2 *The need, and plans for, an intra-laboratory study to improve ASTM international standard E90's precision and bias statement*
Matthew V. Golden
- 263 - Tues 11:20 Salon 4 *On the ability of numerical solvers to predict interior noise transmission of aerodynamic and aeroacoustic sources in a simplified vehicle model*
Munhwan Cho, Chisung Oh, Hyoung Gun Kim and Kang Duck Ih
- 264 - Tues 11:00 Salon 4 *Wind noise simulation on Hyundai Simplified Model using multi-disciplinary CFD - Vibro-acoustic approach*
Korcan Kucukcoskun, Koen Vansant, Ashok Khondge, Jeongwon Lee, Sang Yeop Lee and Karthik Balachandran
- 265 - Wed 1:40 Salon 13 *Laboratory data examining impact and airborne sound attenuation in cross laminated timber panel construction.*
Wilson Byrick
- 266 - Mon 3:00 Nob Hill C *Determination of plane-wave reflection coefficients from particle velocity measurements*
Chuan-Xing Bi, Wang-Lin Wang and Yong-Bin Zhang
- 267 - Mon 12:00 Salon 14 *Contribution of inerters to the vertical dynamics of electric vehicles with suspended in-wheel motors*
Zhi-Chao Hou, Wei Tong and Shi-Peng Bai
- 271 - Tues 9:20 Salon 5 *Prediction of sound field in large area by using a hybrid ray-tracing method*
Zeng Xiangyang and Zhao Long
- 272 - Mon 2:00 Nob Hill C *Location of rotating sound sources using the time-domain equivalent source method*
Xiao-Zheng Zhang, Chuan-Xing Bi, Yong-Bin Zhang and Liang Xu
- 275 - Tues 2:00 Salon 5 *Aerodynamic noise prediction of a sharp-edged flat plate using a periodic CFCV-BEM technique*
M. Karimi, P. Croaker, C. Doolan and N. Kessissoglou
- 278 - Mon 2:00 Salon 12 *Experimental study on sound absorption performance of microperforated panel with membrane cell*
Xiao-Ling Gai, Xian-Hui Li, Tao Xing, Bin Zhang and Jun-Juan Zhang
- 279 - Wed 9:40 Salon 12 *Presentation of physical indices to define levels of human response to titubation of floors*
Shintaroh Fukuda and Yutaka Yokoyama
- 280 - Wed 9:20 Salon 10 *Probabilistic FEM vibroacoustic analysis of fibre-reinforced composite having spatial random parameters*
K. Sepahvand and S. Marburg
- 281 - Tues 10:40 Nob Hill A *Influence of test conditions on tyre/road noise measured by the CPX method*
Truls Berge and Frode Haukland

- 283 - Tues 2:20 Salon 13 *Discomfort reduction based on active noise control and auditory masking for factory noise*
Rumi Ito, Kota Nakano, Masato Nakayama and Takanobu Nishiura
- 284 - Tues 2:40 Salon 13 *Musical piece selection for discomfort reduction of dental treatment sound based on auditory masking in time and frequency domains*
Yoshitaka Ohshio, Daisuke Ikefuji, Takumi Honda, Masato Nakayama and Takanobu Nakayama
- 285 - Mon 9:20 Salon 5 *Medium speed Diesel engines low frequency noise characteristic analysis*
Donchool Lee and Ronald D. Barro
- 287 - Tues 4:00 Nob Hill A *Semi-empirical simulation of tire-road noise based on surface texture, speed and contact forces*
Marcos Manuel Sanchez and Wolfram Ressel
- 288 - Tues 3:40 Salon 3 *Calculating tonality of IT product sounds using a psychoacoustically-based model*
Roland Sottek
- 289 - Tues 10:00 Salon 6 *Study and evaluation of sound absorbing treatment in silencers*
Rabab S. Youssef, Abd El Fattah A. Mahmoud, S.M. El-Mossalamy and N. Makarm
- 290 - Wed 10:40 Salon 10 *Uncertainty calculations of pressure sensitivity on one inch microphones using pressure field method at NIS*
Abd El Fattah A. Mahmoud, Hany A. Shawky, Rabab S. Youssef, Tarek M. El-Basheer and Hatem Khalaf El-Basheer
- 292 - Mon 4:20 Nob Hill C *A nearfield acoustic holography based on the mapping relationship between patterns on surfaces of structure and hologram*
Hai-Jun Wu and Wei-Kang Jiang
- 293 - Mon 12:00 Salon 5 *Acoustical contribution analysis for multiple acoustic sources based on phase conjugation method*
Liu Song, Dou Dong Yang and Li Sheng
- 294 - Wed 1:40 Salon 12 *Effect of infrasound and low-frequency noise with regard to the loudness estimation*
Moehler Ulirich, Eulitz Christian and Huth Christine
- 295 - Mon 9:20 Nob Hill C *One manufacturer's search for an acoustically sound fitness flooring tile*
Sharon Paley
- 297 - Mon 9:40 Salon 3 *Verisimilitude in soundscape design*
Fernando J. Elizondo-Garza, Adrian Garcia Mederez and Diego F. Ledezma-Ramirez
- 298 - Tues 11:00 Nob Hill B *The NASA auralization framework and plugin architecture*
Aric R. Aumann, Brian C. Tuttle, William L. Chapin and Stephen A. Rizzi
- 299 - Tues 4:00 Salon 2 *An interior noise control assessment for an industrial lubricants manufacturing facility*

- 300 - Wed 9:00 Salon 1 Marc Wallace and Matthew Riegert
Examining heuristic and machine learning models for predicting outdoor sound propagation
Carl R. Hart, Nathan J. Reznicek, D. Keith Wilson, Chris L. Pettit and Edward T. Pettit
- 304 - Tues 4:20 Salon 1
Practical methods for measuring and assessing wind turbine noise
Hideki Tachibana, Akinori Fukushima, Sakae Yokoyama and Tomohiro Koobayashi
- 305 - Tues 11:20 Nob Hill A
Influence of car tyre wear and ageing on the noise emission: A pilot study
Jens Oddershede and Jorgen Kragh
- 306 - Mon 5:20 Salon 5
Turbo-compressor and piping noise assessment using particle velocity based sound emission methods
M. Guiot, D. Fernandez Comesana, M. Korbasiewicz, G. Carrillo Pousa and Carrillo Pousa
- 307 - Mon 3:40 Nob Hill B
Psychological effects in the context of environmental noise perception
Andre Fiebig
- 308 - Tues 4:00 Salon 10
Exploring the relationships between percent highly annoyed and residents' judgments about the airport
Nicholas P. Miller
- 309 - Mon 10:40 Nob Hill A
Noise from pulsating supercavities and its control
Timothy A. Brungart, Grant M. Skidmore, Jules W. Lindau and Michael J. Moeny
- 310 - Tues 11:20 Salon 13
Vocal effort and the effect of room acoustics in noisy environments
Pasquale Bottalico, Simone Graetzer and Eric J. Hunter
- 311 - Mon 10:00 Salon 3
Cognition of soundscapes and other complex acoustic scenes
William J. Davies
- 312 - Mon 10:40 Salon 10
Effect of noise generated by construction sites on birds
Pasquale Bottalico, Dorina Spoglianti, Carlo A. Bertetti and Marco Falossi
- 314 - Tues 11:20 Nob Hill D
Evaluation of noise generated by a rail yard
Ivano Ipsaro Passione, Pasquale Bottalico, Marco Masoero, Francesco Pacini and Luca Pacini
- 315 - Tues 11:00 Salon 13
Characterizing impulsive noise with A-weighted sound pressure, kurtosis, and higher order statistical moments
Edward Zechmann, Willam Murphy, Daniel Russell and Ingrid Blood
- 317 - Mon 9:40 Salon 12
Assessing sound absorption coefficient under a synthesized diffuse acoustic field: Effect of the sample size and nature
Olivier Robin, Celse Kafui Amedin, Alain Berry, Noureddine Atalla, Olivier Atalla and Franck Sgard
- 318 - Wed 11:00 Salon 2
Case study: The acoustical and political struggles of developing a new standard

- Sharon Paley, , , , , , , , , , ,
- 319 - Wed 11:40 Nob Hill C *Highway noise barrier optimization design tool overview*
Ruth Mazur, Chris Bajdek and Chris Menge
- 320 - Tues 2:40 Nob Hill A *Thin overlay mixes for highway noise mitigation*
Manuel Trevino
- 321 - Wed 11:20 Nob Hill D *Considerations for floating slab track (FST) at grade crossings*
Anthony Evans and Judith Rochat
- 322 - Wed 11:20 Salon 2 *Standards for information technology and telecommunications noise emission measurement*
Jeff G. Schmitt and Eddie Lam
- 323 - Tues 11:00 Nob Hill D *Rail crossing quiet zones: Life-cycle of a project from the noise perspective*
Peter Herdie and Mike Greene
- 324 - Mon 2:20 Salon 12 *Determination through an inverse method of the acoustic impedance and the propagation constant for some natural fibers*
Umberto Berardi and Gino Iannace
- 325 - Wed 11:40 Salon 2 *Status of IEC standards in acoustics*
Mariana Buzduga and Marek Kovacik
- 326 - Tues 11:00 Salon 5 *SEA modeling and validation of a truck cab using for sound package optimization*
Yong Sok Jang, Jong Young Kuk, Jong Chan Park, Rahah Hadjit, Himanshu Hadjit and Eric Frank
- 329 - Wed 9:40 Salon 4 *Acoustical protection of a plenum window installed with sound absorptions*
Shiu-Keung Tang
- 330 - Tues 10:40 Salon 6 *Sound transmission losses across expansion chambers with staggered sub-chambers in a low Mach number flow duct*
Shiu-Keung Tang and Yijia Tang
- 331 - Mon 9:20 Salon 2 *Comparison of the acoustical performance of Mihrab design in mosques using computer simulation studies*
Nazli Che Din, Zufar Adzahan, Asrul Sani Razak, Zunaibi Abdullah, Mohd Zamri Abdullah and Mohamad Ngasri Dimon
- 332 - Tues 4:40 Salon 12 *Two-dimensional acoustic cloak using axisymmetric cylindrical lattices*
Jihoon Jeong, Choonghee Jo and Il-Kwon Oh
- 335 - Wed 10:00 Salon 4 *Study of noise reduction effect of acoustic balconies in high-rise buildings*
Jack Kan, Isaac Chan, Isaac Ng, Maurice Yeung, S.K. Yeung and Patrick Lo
- 336 - Wed 12:00 Salon 2 *An overview of the ANSI/ASA standards program*
Christopher J. Struck
- 337 - Mon 11:20 Salon 4 *The stability and transient response analysis in time-frequency domain of disc brake*
Ke Shang, Xiandong Liu, Haixia Wang and Yingchun Shan
- 339 - Tues 11:00 Salon 6 *Optimal topology for high insertion loss of reactive muffler*
Jin Woo Lee and Jong Kyeom Lee

- 340 - Wed 11:20 Salon 5 *Sound insulation design of the periodic core structures for train applications*
Seockhyun Kim, Jeung Tae Kim and Joong Hyeok Lee
- 342 - Mon 4:40 Nob Hill C *Experimental condition for Operational Transfer Path Analysis*
Junji Yoshida and Akinaru Inoue
- 343 - Mon 4:20 Salon 4 *Influence of unexpected engine start sound of hybrid vehicle in cabin -Comparison between Japanese and German drivers*
Toru Ueno, Junji Yoshida and Hugo Fastl
- 344 - Mon 2:00 Salon 10 *Factor analysis of noise for drum type washing machine using operational TPA*
Rei Yamashita, Junji Yoshida, Tomohiro Fujii and Akihiro Hosokawa
- 347 - Wed 11:00 Nob Hill A *German policy for new noise nuisance in sensitive areas*
Christian Fabris
- 348 - Mon 1:40 Salon 14 *Study on vibration and noise of high speed diesel engine excited by gear system*
Renke Li, Yepeng Cao and Liqi Yan
- 349 - Tues 9:20 Salon 3 *Sound quality analysis of cymbals*
Toshiki Nakanishi, Tatsuhito Aihara, Mitsuo Iwahara, Tetsuya Sakai and Gaku Sakai
- 350 - Mon 9:00 Salon 13 *Characterization of low noise technologies applied to a full scale fuselage mounted nose landing gear*
Eleonora Neri, John Kennedy, Gareth J. Bennett, Ciaran O'Reilly, Jeremy O'Reilly, Gunilla Efraimsson, Marco Esposito, Massimiliano Bruno, Triziana Taveri, Antonello Bianco, Francesco Amoroso and Massimiliano Di Giulio
- 351 - Mon 9:20 Salon 13 *Aeroacoustic source separation on a full scale nose landing gear featuring combinations of low noise technologies*
Eleonora Neri, John Kennedy, Petr Eret and Gareth J. Bennett
- 352 - Tues 4:00 Salon 3 *Two noise test codes in The Blue Angel for imaging equipment*
Christian Fabris
- 353 - Tues 4:40 Nob Hill A *Statistical modelling of tyre/road noise in Hong Kong*
Wing-tat Hung and Kai-Long Mak
- 354 - Tues 11:00 Salon 14 *The analysis on the dynamic response and acoustic radiation of bionic venation layout stiffened plate under impact load*
Dong-Yan Shi, Hong-Xu Ai and Zhi-Kai Wang
- 355 - Wed 9:40 Salon 14 *Experimental and theoretical study of the reflection coefficient of a ABH beam termination*
A. Pelat, V. Denis and F. Gautier
- 356 - Mon 9:20 Salon 10 *From noise monitoring to noise management: A better way to deal with noise issues*
Douglas Manvell
- 357 - Mon 2:40 Salon 12 *A semi-empirical approach to link macroscopic parameters to microstructure of fibrous materials*
Pierre Kerdudou, Jean-Baptiste Chene, Gary Jacquas, Camille Perrot, Sylvain Perrot and Pierre Leroy

- 358 - Mon 10:00 Salon 11 *Experimental assessment of active electroacoustic absorbers for broadband room modes damping*
Herve Lissek, Sami Karkar, Etienne Rivet, Veronique Adam, Torje Adam, Quentin Berthet, Antoine Pittet, David Strobino, Alain Roux and Christian Martin,
- 359 - Mon 3:00 Salon 12 *Sound absorption and additive manufacturing*
Foteini Setaki, Martin Tenpierik, Arjan van Timmeren nad Michela Turrin
- 361 - Mon 4:20 Nob Hill B *Effect of variation in noise absorption in open-plan office: A field study with a cross-over design*
Frans Davidsson and Aram Seddigh
- 362 - Mon 5:20 Nob Hill A *A model to predict role of different tread parameters on tire noise*
Nachiketa Tiwari, Abhishek Saraswat, Unnikrishnan G., Sharad Goyal and Ujjwal Goyal
- 363 - Mon 10:00 Salon 13 *Wind noise generated by facade elements on buildings: A simple measurement method and cases studies*
Thibaut Blinet, Pierre Kerdudou, Jean-Baptiste Chene and Gary Jacques
- 365 - Tues 9:40 Salon 1 *Hybrid method transmission loss calculations of aircraft cabin sidewall panels: Comparison of wavenumber space approach and real space coordinate approach*
Uwe C. Mueller
- 366 - Tues 5:00 Salon 10 *Annoyance due to combined railway and road traffic noise exposure: Testing of total annoyance models and dose-effect relationships for noise in isolation*
Laure-Anne Gille, Catherine Marquis-Favre and Julien Morel
- 367 - Mon 11:00 Nob Hill B *Noise reduction effect of barriers for low wind load at high-rise buildings adjacent to conventional railways*
Satoshi Ishikawa, Itaru Kato, Masaaki Hiroe and Tetsuya Sakuma
- 369 - Tues 1:40 Salon 12 *Physical and perceptual characterization of aircraft noise to better assess noise annoyance*
Laure-Anne Gille and Catherine Marquis-Favre
- 372 - Mon 11:00 Salon 15 *Blind separation of single-source multi-reflected signals in a convex polygonal room*
Hirofumi Sasaki, Fumio Sasaki, Michio Yamada, , , , , , , , ,
- 373 - Wed 11:40 Salon 5 *Modal expansion techniques for predicting sound transmission*
Arne Dijckmans
- 374 - Mon 9:40 Salon 2 *Measurements and FE-simulations of low frequency sound transmission and induced building vibrations from aircrafts*
Karin Noren-Cosgriff, Finn Lovholt, Christian Madshus and Arild Brekke
- 375 - Tues 9:00 Salon 2 *Structure-borne sound transmission across junctions of finite single and double walls*
Arne Dijckmans

- 376 - Mon 2:40 Salon 4 *Interior acoustics of electric vehicles and its influence on the drivers' speed estimation*
Martin Czuka, Claus Aichinger, Rienhard Wehr, Andreas Fuchs and Marco Fuchs
- 380 - Mon 4:00 Salon 1 *Noise mapping in Australia: Completed studies, goals and outcomes*
Benjamin Hinze
- 381 - Tues 2:00 Salon 12 *Directivity characteristics of dental turbines and their relevance for sound-quality evaluation*
Florian Volk and Hugo Fastl
- 382 - Tues 11:40 Salon 10 *Model based monitoring for industrial and traffic noise control*
Frits van der Eerden, Bas Binnerts and Freek Graafland
- 386 - Mon 11:40 Salon 11 *Error analysis of active noise control system for MRI noise*
Nokhaeng Lee and Youngjin Park
- 387 - Mon 9:40 Salon 10 *The Port Authority of New York and New Jersey noise management program*
Jami M. Bjornstad and Daniel Webber
- 390 - Mon 11:40 Salon 13 *Experimental studies on acoustics of corrugated tubes*
B. Rajavel and M.G. Prasad
- 392 - Mon 4:40 Salon 4 *Experimental study of sunroof buffeting in a simplified hatchback vehicle model*
Keiichiro Iida and Yoshimitsu Hashizume
- 394 - Tues 9:00 Salon 15 *Comparison of room acoustic parameters calculated by different types of software*
Joaquin Mansilla, Shin-ichi Sato, Leandro Rodino, Agustin Arias, Florent Arias and Ignacio Calderon De Palma
- 395 - Tues 11:00 Salon 10 *Study on the relation between road traffic noise and urban characteristics*
Guillermo Rey-Gozalo, Juan Miguel Barrigon-Morillas, Jose Trujillo-Carmona, Rosendo Vilchez-Gomez, Valentin Vilchez-Gomez, David Montes-Gopnzalez, Pedro Atanasio-Moraga, Juan-Antonio Mendez-Sierra and Carlos Prieto-Gajardo
- 398 - Tues 4:00 Salon 5 *Improving the acoustic comfort of vehicle structures by padding rubber layer on interfaces*
Xing-Rong Huang, Sebastian Besset, Louis Jezequel and Lin Li
- 399 - Wed 10:40 Salon 6 *Acoustic-based bearing fault detection using the improved kurtogram*
Xiaoqiang Xu, Ming Zhao, Jing Lin and Yaguo Lei
- 400 - Wed 11:00 Salon 10 *Uncertainty in the assessment of urban noise through continuous sampling*
Juan Miguel Barrigon-Morillas, Carlos Prieto-Gajardo, Rosendo Vilchez-Gomez and Guillermo Rey-Gozalo
- 402 - Wed 11:00 Nob Hill B *Development of a highway traffic noise modeling practitioner's handbook*
Michael Mulbarger

- 403 - Tues 2:00 Salon 11 *Investigation on active control of structurally radiated sound from finite length elastic cylindrical shell*
Xiao-ling Liu, Hui-Chao Ren and Long-Shu Yang
- 405 - Mon 2:00 Salon 14 *Numerical modelling and experimental determination of vibration characteristics of cylindrical shell with nonuniform stiffeners*
Meixia Chen, Kun Xie, Naiqi Deng and Kun Xu
- 406 - Tues 11:20 Salon 14 *Numerical investigation of the sound power and of the structural intensity of a permanent magnet synchronous machine*
Christian Adams, Clarissa Schaal, Joachim Boes and Tobias Melz
- 407 - Tues 11:20 Nob Hill B *Auralization as a tool to study threshold perception of spatial impression*
Alexandre Virginelli Maiorino and Stelamaris Rolla Bertoli
- 408 - Tues 11:00 Salon 1 *Mitigation of underwater noise during pile driving of the Garden State Parkway over Great Egg Harbor Bay Project*
Aravinda Ramakrishna, Raymond Mankbadi and Glen Schetelich
- 409 - Mon 10:00 Salon 2 *Balancing of thermal and acoustic insulation performances in building envelope design*
Antonino Di Bella, Nicola Granzotto, Hagar Elarga, Giovanni Semprini, Luca Semprini and Cosimo Marinosci
- 410 - Wed 9:20 Salon 1 *DISCOVER-AQ: A unique acoustic propagation verification and validation data set*
Eric Boeker, Jordan Camper, Amanda Rapoza and Hua He
- 412 - Wed 9:40 Salon 1 *Effects of carbon dioxide on atmospheric absorption of noise for en-route aircraft and supersonic aircraft*
Erik Petersen and Victor Sparrow
- 414 - Tues 9:00 Salon 4 *Prediction of fluid-borne noise transmission of the Hyundai simplified model using AcuSolve and OptiStruct*
Michael S. Barton, David Corson, Dilip Mandal, Kyeong-Hee Han
- 415 - Tues 9:20 Salon 15 *Improved method for estimating noise level reduction of residential houses*
Robert P. Dougherty, Tessa Robinson and Mitsuru Kurosaka
- 416 - Wed 9:40 Nob Hill A *Point excitation of a coupled structural-acoustical tire model with experimental verification*
Rui Cao and J. Stuart Bolton
- 417 - Tues 9:40 Nob Hill C *Experimental assessment of the structure-borne noise in an aircraft cabin due to vibrating equipment*
Olivier Doutres, Alexis Caron l'Ecuyer and Thineshan Kathirchelvan
- 418 - Tues 9:20 Salon 2 *Assessment of the uncertainties using the "two-stage method" for the characterization of structure-borne sound sources*

- Albert Vogel, Oliver Kornadt, Volker Wittstock and Werner Scholl
 419 - Wed 11:20 Salon 1 *Enhancing aircraft noise propagation modeling - Overview of FAA's research*
 Hua He
- 420 - Mon 10:40 Salon 11 *Active structural acoustic control of plates with different boundary conditions using a weighted sum of spatial gradients*
 Yin Cao, Scott D. Sommerfeldt and Jonathan D. Blotter
- 421 - Tues 2:20 Salon 4 *Infrasound and low-frequency noise measurements at a solar plant*
 Mike Greene
- 423 - Mon 2:20 Salon 5 *R/V SIKULIAQ: First quiet ice breaking research vessel*
 Michael Bahtiarian
- 424 - Tues 9:40 Salon 2 *Reduction of structural vibration through slab cutting in above-grade locations*
 Justin E. Meyer
- 425 - Tues 1:40 Salon 10 *Overview of Hunt, Beranek, and Maa's 1939 paper on analysis of sound decay in rectangular rooms*
 Philip A. Feurtado
- 426 - Mon 11:40 Salon 2 *Field investigations of the sound insulation performance in a Brazilian public school building*
 Rafaella Estevao da Roaha, Alexandre Virginelli Maiorino, Lilian Lima Dias, Roberta Smiderle and Stelamaris Smiderle
- 428 - Tues 4:40 Salon 1 *Kingston Massachusetts wind turbine acoustical study*
 J. Eric Cox and Christopher W. Menge
- 429 - Mon 3:40 Salon 12 *Microperforated films as duct liners*
 Nicholas N. Kim and J. Stuart Bolton
- 431 - Wed 1:40 Salon 4 *Helicopter noise outside a hospital intensive care unit*
 Benjamin Davenny
- 432 - Mon 2:20 Salon 14 *Modeling tire non-uniformity and its impact at low and high speeds*
 Daniel P. Pugliese, Argemiro Luis de Aragao Costa and Jose Roberto de Franca Arruda
- 433 - Mon 10:40 Salon 2 *Investigating the impact of noise incidence angle on the sound insulation of a supply air window*
 Morten B. Hansen and Torben Tambo
- 434 - Tues 9:20 Nob Hill A *The developmnt of temperature normalization procedures for AASHTO TP 76, Measurement of Tire/Pavement Noise Using the On-Board Sound Intensity (OBSI) Method*
 Dana M. Lodico
- 435 - Tues 12:00 Nob Hill A *A framework for selection of functional asphalt overlays using tire/pavement noise*
 John Hencken, Edwin Haas, Michael Tulanowski and Thomas Bennert
- 436 - Mon 3:40 Salon 13 *Analysis and improvement of spacecraft gyro sensor data with sampling mismatch*

- Shi-Hwan Oh
- 437 - Wed 1:40 Salon 2 *ASME noise standards: Present and future*
David J. Parzych and Robert A. Putnam
- 440 - Tues 11:20 Salon 6 *Design of an acoustic silencer with the microperforated elements considering flow effects*
Seungkyu Lee and J. Stuart Bolton
- 441 - Mon 1:40 Salon 6 *Simulation of sound fields radiated by finite-size sources in room environments by using equivalent source models: Three-dimensional validation*
Yangfan Liu and J. Stuart Bolton
- 442 - Tues 11:00 Salon 12 *Study of an axial fan combined with a microperforated duct*
Seungkyu Lee and J. Stuart Bolton
- 443 - Tues 3:40 Nob Hill C *Impact of relaxing curfew conditions on acoustical environment at Narita International Airport*
Saburo Ogata, Kazuya Tamaki and Naoaki Shinohara
- 444 - Mon 9:40 Salon 5 *Noise control aboard a recreational craft powered by an outboard motor: Measurement protocol and systematic errors*
Leandro Rodino and Florent Masson
- 445 - Mon 10:40 Salon 12 *Predictions of the sound transmission loss of multi-layered structures using statistical energy analysis while considering air-borne and structure-borne insertion loss*
Hyeon Rae Lee, Ju Hyun Jeon, Je Heuck Park and Yeon June Kang
- 448 - Mon 9:20 Nob Hill B *Experimental study on the contributions to the sound insulation performance enhancement obtained via wall greening*
Takafumi Shimizu, Toru Matsuda, Yosei Nishibe, Misaki Tempo, Kimie Tempo and Yoichi Azumi
- 449 - Tues 5:00 Salon 12 *Sound absorption of Porous Glass Graded Materials (PG-FGM)*
Xu Ying, Luo Lu and Hou Hong
- 450 - Mon 4:00 Salon 12 *Targeted energy transfer between a nonlinear membrane and several acoustic degrees-of-freedom of 3D acoustic cavity*
Jianwang Shao and Xian Wu
- 451 - Wed 11:00 Salon 14 *Characterization of acoustic black hole effect using a 1-D fully-coupled and wavelet-decomposed semi-analytical model*
Li-ling Tang, Su Zhang, Hong-li Ji, Li Cheng and Jin-hao Cheng
- 452 - Tues 10:00 Salon 2 *Dynamic stiffness, and impact and airborne sound transmission of recycled floating floor underlayments*
Paul Downey and Huw Myles
- 453 - Tues 11:40 Salon 6 *Ventilated silencing device and its modeling using a substructuring approach*
Xiang Yu and Li Cheng
- 454 - Wed 9:40 Nob Hill B *Current status and issues of road traffic noise prediction in Japan: The example analysis of environmental impact assessment report*

- Keiichi Hasegawa, Keiko Ohkouchio, Hiroshi Yoshinaga and Ryuji Inoue
- 455 - Mon 11:00 Salon 11 *Hybrid active noise barrier with sound masking (Experiment for verifying the noise attenuation performance in an office room and evaluation of maskers by listening experiments)*
Xun Wang, Yosuke Koba, Satoshi Ishikawa and Shinya Kijimoto
- 456 - Tues 9:40 Salon 15 *Reverberation-room measurement assuming a diffuse sound field: Reviewing standards and reality*
Md Mehadi Hasan and Murray R. Hodgson
- 457 - Tues 9:40 Salon 11 *Model reduction for active structural vibration control*
Gerajn Hernandez, David F. Novella and Basilio Del Muro
- 458 - Tues 4:00 Nob Hill C *Changes in sound exposure and residential situation around a few airports in Japan*
Ichiro Yamada, Kyoichi Goto and Yasuhiro Hiraguri
- 459 - Mon 9:20 Nob Hill A *Study on acoustic and flow induced noise characteristics of T-shaped rectangular cross-sectional pipe*
Masaaki Mori, Takayuki Masumoto and Kunihiro Ishihara
- 460 - Mon 3:00 Nob Hill A *The effects of a large demolition project on adjacent buildings*
David Buehler
- 461 - Tues 2:20 Salon 12 *Evaluation of bone-conducted sound via teeth*
Tomomi Yamada, Mikadko Hayashi and Sonoko Kuwano
- 462 - Wed 12:00 Salon 14 *Vibration control of variable thickness plates with embedded acoustic black holes and dynamic vibration absorbers*
Xiuxian Jia, Du Yu and Kunmin Zhao
- 463 - Mon 2:40 Salon 14 *Vibration response prediction of a high speed flight vehicle considering acoustic and rocket motor excitation*
Jin-Hyeong Kim, Seoryong Park, Wonjong Eun, Sangjoon Shin and Soo-gab Shin
- 464 - Mon 11:00 Salon 12 *Modelling and simulation of membrane sound absorbers with negative stiffness*
Junjuan Zhao, Xianhui Li, Bin Zhang, Xiaoling Gai and Yueyue Gai
- 465 - Tues 4:20 Nob Hill C *How to establish a better information disclosure system on noise and environment around the airports in Japan*
Mari Ueda, Saburo Ogata, Toshikazu Sata and Ichiro Yamada
- 466 - Tues 12:00 Salon 6 *Design optimization of a suction muffler to maximize energy efficiency and minimize broadband noise*
Seung-Jae Oh and Se-Myung Wang
- 467 - Tues 2:40 Salon 12 *How high-frequency do children hear?*
Mari Ueda, Kaoru Ashihara and Hironobu Takahashi
- 468 - Tues 4:20 Salon 2 *The present condition and considerations on apartment balcony draining noise in Korea*
Min-Jeong Song, Min-Woo Kang, Nam-Soo Lee and Yang-Ki Oh

- 472 - Wed 2:20 Salon 3 *A study on the vibroacoustics characteristics of direct-coupled cabin installed on the lightweight forklift truck using operational transfer path analysis*
Kyutae Kim and Younghyun Kim
- 475 - Tues 2:00 Salon 13 *Assessment of Noise Induced Hearing Loss (NIHL) of mine workers in a Bauxite mine using fuzzy logic*
D.P. Tripathy and D.S. Rao
- 476 - Mon 3:00 Salon 14 *Non-stationary vibration power: Definition and application to a model miniature airplane*
YongHwa Heo and Kwang-joon Kim
- 477 - Mon 2:40 Salon 2 *Development of high-sound-insulation double floor structure with Helmholtz resonators: Calculation based on two-particle system model and real-scale measurements*
Yosuke Yasuda, Hidehisa Sekine, Kazuhiro Watanabe, Mitsuru Yabushita and Hideki Yabushita
- 478 - Mon 3:40 Salon 14 *Dynamic modeling and vibration measurement of power transmission line*
Moon K. Kwak, Ji-Hwan Shin, Seungi-Ki Kim, Min-Sup Choi and Jan R. Choi
- 479 - Wed 2:00 Salon 6 *Source-path-receiver approach to isolator design for reaction wheels on satellite structures*
Gyunchul Hur and Kwang-joon Kim
- 480 - Wed 10:40 Salon 4 *Specially designed window systems for noise reduction: An application in Hong Kong*
Maurice Yeung, Isaac Ng, H.F. Chan, S.K. Tang, C.H. Tang and W.T. Leung
- 481 - Tues 10:40 Salon 2 *Prediction of the variation in vibration characteristics by installing wide beams under floors in apartment buildings*
Young-Soo Chun, Hye-Ran Kim and Hong-Seok Yang
- 482 - Mon 9:40 Salon 4 *A methodology for evaluating structure-borne road noise prior to a development mule using direct force measured on a suspension rig*
David P. Song, Dongwoo Min, Yeon June Kang, Munhwan Cho, Hyoung Gun Cho and Kang Duck Ih
- 483 - Mon 3:00 Salon 2 *An experimental study on correlation of vibration acceleration on floating floors with floor impact noise*
Hong-Seok Yang, Seong-Bok Lee and Young-Soo Chun
- 487 - Mon 4:00 Salon 14 *Seismic response analysis of nuclear reactor internals*
Jong-beom Park, No-Cheol Park and Woo-Jin Roh
- 489 - Mon 4:20 Salon 12 *The role of pore structure in sound absorption performance of lime based plasters*
Isin Meric Nursal, Ayse Tavukcuoglu and Mehmet Caliskan
- 490 - Tues 4:20 Salon 13 *The change of earmuffs attenuation resulting from the use of personal eye protectors*
Emil Kozlowski and Rafal Mlynski

- 491 - Tues 4:20 Salon 10 *Social surveys around Noi Bai Airport before and after the opening of the new terminal building*
Thu Lan Nguyen, Thao Linh Nguyen, Takashi Yano, Makoto Morinaga, Ichiro Morinaga, Tetsumi Sato and Tsuyoshi Nishimura
- 493 - Mon 4:40 Salon 12 *Parameter calculation of sound absorption material by inversion method in pulse tube*
Hong Hou, Yun-ke Huang and Jian-hua Yang
- 495 - Tues 3:40 Salon 10 *Temporal trends in aircraft noise annoyance*
Truls Gjestland, Femke B. Gelderblom, Sanford Fidell and Bernard Berry
- 496 - Mon 4:20 Salon 14 *Effective method for identifying dynamic characteristics of APR 1400 nuclear reactor internals in experiment and finite element analysis*
Sang-Jeong Lee, Jong-Beom Park, Youngin Choi, No-Cheol Park, Young-Pil Park, Jinsung Kim and Woo-Jin Roh
- 497 - Mon 11:20 Salon 11 *Fundamental study on active noise control with audio-spot for minimum area using parametric loudspeaker*
Daisuke Ikefuji, Tadashi Matsui, Masato Nakayama, Takano bu Nishiura and Yoichi Nishiura
- 498 - Tues 4:40 Salon 2 *Washing-machine noise and vibration-transmission characteristics in apartment home*
Hye-Kyung Shin, Jun-Oh Yeon and Kyoung-Woo Kim
- 499 - Mon 12:00 Salon 11 *Narrowband active noise control using variable step-size FXLMS algorithms*
Yegui Xiao, Yaping Ma and Boyan Huang
- 500 - Tues 3:00 Salon 12 *Picture frustration study on attitudes towards life convenience and natural environment in Hanoi*
Thu Lan Nguyen, Takashi Yano, Ichiro Yamada, Sonoko Kuwano and Huy Quang Kuwano
- 501 - Wed 12:00 Salon 6 *A new measure of similarity for deterministic signals*
Kihong Shin
- 502 - Tues 10:00 Salon 15 *Angle-dependent reflection factor measurements of finite samples with an edge diffraction correction*
R. Opdam, D. de Vries and M. Vorlander
- 503 - Mon 11:00 Nob Hill A *Study on production mechanisms of sibilants using simplified vocal tract model*
Tsukasa Yoshinaga, Narihiko Koike, Kazunori Nozaki and Shigeo Wada
- 504 - Tues 11:40 Nob Hill C *Influence of tonal components on the unpleasantness of airplane noise at take-off*
L. Brocolini and E. Parizet
- 505 - Wed 10:40 Salon 13 *Result of measurement Speech Transmission Index STI in open plan office*
Witold Mikulski, Izabela Jakubowska, , , , , , , , ,

- 506 - Mon 1:40 Salon 11 *Comparative study of cone-shaped versus flat-panel speakers for active noise control of multi-tonal signals in open windows*
Stefano Fasciani, Jianjun He, Lam Bhan, Tatsuya Murao and Woon-Seng Murao
- 508 - Wed 11:00 Salon 13 *Research results about noise at call centers work stations*
Izabela Jakubowska, Witold Mikulski and Jan Radosz
- 511 - Tues 10:40 Salon 15 *Environmental noise recognition with DNN*
Yasutaka Nakajima, Masahiro Sunohara, Taisuke Naito, Norihito Sunago and Toshiya Sunago
- 512 - Tues 3:00 Salon 13 *A study on discomfort reduction based on auditory masking of multiple spectral peaks for infant cry*
Aomi Kobayashi, Masato Nakayama and Takanobu Nishiura
- 513 - Tues 3:40 Salon 15 *Thermal comfort in line with a new German acoustic guideline*
Rainer Machner and Yoan le-Muet
- 515 - Wed 10:40 Salon 3 *Practical evaluation of acoustically induced vibration risk*
Takahiro Hida and Shunji Kataoka
- 517 - Tues 12:00 Salon 13 *A study on comfortable sound design based on a single chord-forming for dental treatment sound*
Yoshitaka Ohshio, Daisuke Ikefuji, Masato Nakayama and Takanobu Nishiura
- 518 - Tues 11:00 Salon 2 *Identification of heavy-weight impact sound and vibration propagation in multi-story building*
Sinyeob Lee, Dukyoung Hwang and Junhong Park
- 519 - Wed 9:20 Nob Hill A *Analysis of tire resonances on the wheel carrier and the rotating wheel*
Rene Armbruster, Hans-Joachim Unrau, Frank Gauterin and Jan Fischer
- 520 - Wed 11:00 Salon 3 *Reactor internals vibration monitoring of a pressurized water reactor power plant by processing ex-core neutron flux signals*
Seon Ho Song, Yong Beum Kim, Jin Sung Kim and Woo Jin Roh
- 521 - Tues 2:40 Nob Hill C *Aircraft noise monitoring: Comparison of aircraft noise indexes calculated with two different methods of aircraft noise detection*
Christophe Rosin and Laurent Iachino
- 522 - Tues 11:00 Nob Hill C *The method of identification for the type of aircrafts*
Kenichi Morio, Hiroshi Wada, Yoshio Tadahira, , , , , , , , ,
- 523 - Mon 9:40 Nob Hill B *Polystyrene lightened concrete influence on the efficiency of acoustic barriers: Comparative model*
David Colorado Aranguren, Laura Abad Toribio, Ignacio Demaraa Castaeda, Francisco Javier Gabiola Ondarra, Marta Gabiola Ondarra and Ana Velasco Fernandez
- 524 - Tues 4:40 Nob Hill C *Database of correction for meteorological and ground effects developed for the aircraft noise prediction model in JAXA's DREAMS project •*
Takatoshi Yokota, Koichi Makino, Toshio Matsumoto, Kohei Yamamoto and Hirokazu Yamamoto

- 525 - Mon 4:00 Salon 13 *Evaluation of the digital image correlation method for the measurement of vibration mode shapes*
M.F. Mat Tahir, Stephen J. Walsh and Daniel J. O'Boy
- 526 - Tues 11:40 Nob Hill B *Spatial sound reproduction using binaural technique combined with multi-channel recording/reproduction system*
Takatoshi Yokota, Sakae Yokoyama, Yoshinobu Yasuno and Shinichi Sakamoto
- 528 - Tues 10:00 Salon 12 *A pilot study of sound absorption by a perforated panel with bending tube extension built in the panel*
Shinsuke Nakanishi
- 529 - Mon 5:00 Salon 12 *Brief review of micro-perforated sound absorbers in architectural acoustics*
Christian Nocke, Catja Hilge and Jean-Marc Scherrer
- 530 - Mon 5:00 Salon 15 *The equivalent reverberation time for same definition in the near field of a semi-diffuse sound field*
Uwe Stephenson
- 531 - Wed 10:00 Salon 12 *Audio-visual interaction of environmental noise in daily life*
Anna Preis, Honorata Hafke-Dys, Malina Szychowska and Jędrzej Kocinski
- 532 - Tues 4:00 Salon 14 *The dynamic response analysis of bolted joint structure under the transient excitation*
Xin Liao, Jianrun Zhang, Zexia He, Xi Lu and Pu Lu
- 533 - Mon 4:40 Nob Hill B *The effect of noise reduction measures on the perception of railway noise*
Christian H. Kasess, Piotr Majdak, Holger Waubke and Thomas Maly
- 535 - Tues 10:00 Salon 10 *Annoyance from small firearms shooting noise: A field study in Norway*
Lars Robert Nordin, Ronny Klæboe and Astrid Helene Amundsen
- 537 - Tues 1:40 Salon 6 *The influence of agglutinated wood chips on the insertion loss of splitter attenuators*
Jamilla Balint, Gerhard Graber, Herbert Hahn and Michael Moczon
- 542 - Tues 10:00 Nob Hill C *Analysis of acoustic and vibration transfers in an aircraft cockpit using energy method*
Gerard Borello, Herve Defosse, Manuel Etchessahar, Fabien Vienille and Fabian Vienille
- 543 - Mon 11:20 Salon 3 *Analysis and evaluation of soundscapes in urban public squares through questionnaires and sound quality metrics*
Sercan Bahali, Nurgun Tamer-Bayazit and Deyra Dakir Aydin
- 545 - Tues 11:20 Salon 2 *Frequency characteristics of the heavy weight floor impact noise of the floor structure in old apartment building*
Min-Woo Kang, Nam-Soo Lee, Min-Jeong Song and Yang-Ki Oh

- 546 - Mon 10:00 Salon 1 *Modeling and verification of perforated plate structure for high sound absorption at low frequency with extending parts behind holes into shallow air space*
Teruo Iwase, Satoshi Sugie, Masahuki Abe, Hirohasu Kurono, Shinya Kurono, Yasuaki Okada and Koichi Yoshihisa
- 547 - Wed 11:20 Nob Hill B *Noise wall construction plan preparation and review*
Noel Alcala
- 548 - Tues 10:40 Salon 4 *A method to identify the acoustic contribution in pressure fluctuations acting on a realistic car's side window*
Bastien Ganty, Diego Copiello, Yves Detandt and ChanHee Jeong
- 550 - Mon 9:00 Salon 15 *Simulation of airborne paths using frequency based substructuring*
Rui He, Limin Zhou and David W. Herrin
- 551 - Mon 10:40 Salon 13 *Study on design and prototyping of small low noise wind tunnel*
Yuta Kato and Gaku Minorikawa
- 552 - Mon 4:40 Salon 14 *Characterisation of sources and transmission of structure-borne sound by a reception plate method*
Barry Gibbs, Carl Hopkins and Kevin Lai
- 553 - Mon 1:40 Salon 3 *Sustainable soundscapes: A field study in the historical Surici area of Diyarbakir*
Derya Cakir Aydin, Ersin Uysal and Y. Berivan Ozbudak Akca
- 554 - Tues 2:20 Salon 5 *Study of the acoustical properties of a condenser microphone under an obliquely incident plane wave using a fully coupled three-dimensional numerical model*
Vicente Cutanda Henriquez, Salvador Barrera-Figueroa, Antoni Torras-Rosell and Peter M. Juhl
- 555 - Mon 10:40 Salon 6 *Acoustic study and visualization of the Dumont Dune booming sound phenomena, California, USA*
Gunnar Heilmann, Magdalena Boeck and Benjamin Vonrhein
- 556 - Mon 10:00 Salon 15 *Applications of airborne path frequency based substructuring*
Rui He and David W. Herrin
- 557 - Mon 2:00 Salon 11 *Effects of reflection surfaces on the performance of feedback active noise control systems*
Zhibin Lin, Xiaojun Qiu and Jie Pan
- 558 - Mon 5:00 Salon 14 *Numerical analysis on the vibration characteristics of ultra large container carrier with a novel mobile deckhouse structure*
Hong-il Im, Do-Hyung Lee, Dae-Seung Cho, Dong-Sup Lee and Heung-Kyu Lee
- 559 - Wed 9:00 Nob Hill B *How highway noise is handled in the Netherlands*
Wiebe Alberts, Richard Jonker, Teun Veger, Petra Paffen, WillemJan Paffen and Nico Faber
- 562 - Mon 3:00 Salon 4 *Infrasonic noise effect on psychomotor performance of urban bus drivers*
Jan Radosz

- 563 - Mon 4:00 Salon 10 *Noise optimization and planning of alternatives within industrial sites*
Antonio Notario
- 564 - Mon 5:20 Salon 14 *Vibration analysis of a floating platform for an offshore wind turbine*
Joong Hyeok Lee, Jin Ho Ahn, Joon Ho Byeon and Seockhyun Kim
- 565 - Tues 11:00 Salon 15 *Implementation of sound intensity measurements into indoor pass-by noise testing*
Matthias Behrendt, David Landes and Albert Albers
- 566 - Mon 11:00 Salon 6 *Correlation of high channel count beamforming measurement of a car in a wind tunnel using CLEAN-SC*
Dirk Dobler, Christoph Puhle and Gunnar Heilmann
- 568 - Mon 11:00 Salon 2 *Low frequency sound pressure field in small rooms in wooden buildings with dense and sparse joist floor spacing*
Jorgen Olsson, Andreas Linderholt and Kirsi Jarnero
- 571 - Tues 1:40 Nob Hill B *Directional source modeling for use in acoustic simulations*
Michael Williams, Greg Kangas and Steve Mattson
- 572 - Mon 2:00 Salon 3 *Instrumental assessment of soundscapes using speech quality models*
N. Cote, D. Attali and J.P. Deparis
- 573 - Wed 2:00 Salon 2 *Realizing the primary standard for sound pressure: The trouble with IEC 61094-2*
Richard Jockett and Janine Avison,
- 574 - Mon 11:40 Salon 1 *Stiffness and damping evaluation of elastomers in different setups*
Asa Bolmsvik, Bertil Enquist and Andreas Linderholt
- 575 - Mon 11:20 Salon 2 *Characterization of acoustic diffusion using refracto-vibrometry*
Richard Jockett and Ben Piper
- 576 - Mon 10:00 Salon 12 *A method to control the lateral boundary condition effects in the characterization of acoustic materials in an impedance tube*
Thomas Dupont, Kevin Verdier, Philippe Leclaire and Raymond Panneton
- 577 - Tues 5:40 Salon 15 *Increasing the efficiency of carbon nanotube, thin film loudspeakers*
Benjamin S. Beck, Michael E. Zugger, Timothy A. Brungart, Joseph E. Fredley, Biran L. Fredley and Zachary W. Yoas
- 578 - Mon 3:40 Salon 5 *Experimental and numerical investigation of the sound field from a centrifugal blower*
Jiandong Chen, Beibei Sun, Jianrun Zhang, Fei Xue and Xin Xue
- 579 - Mon 9:40 Nob Hill C *Measured vibration isolation performance of a spring isolated slab during heavy weight drops in a concrete building*
David O. Forrest
- 580 - Mon 12:00 Salon 6 *The equivalent source method as a sparse signal reconstruction*
Efren Fernandez-Grande and Angeliki Xenaki

- 582 - Mon 10:40 Salon 1 *Comparing the effects on impact and airborne sound transmission of common fire-rated components in wood-frame, open-web truss, multi-family construction*
William Bonnycastle and Matthew Golden
- 583 - Tues 10:40 Nob Hill C *Recent aeroacoustics research on airframe noise applications*
Denis Gely, Fernando De la Puente and Laurent Leylekian
- 584 - Wed 11:20 Salon 3 *The acoustic camera as a tool for machinery maintenance*
Magdalena Bock, Benjamin Vonrhein, Marc Mehlhaff and Ulrich Meyer
- 585 - Wed 9:20 Nob Hill C *Noise computation for future urban air traffic systems*
Michael Arntzen, Roalt Aalmoes, Frank Bussink and Jzcco Hoekstra
- 586 - Tues 9:00 Nob Hill C *Controllable sound simulations of aircraft flyovers*
Antoine Minard, Sylvain Hourcade, Christophe Lambourg and Patrick Boussard
- 587 - Wed 11:00 Nob Hill C *ACRP 02-51: Evaluating methods for determining interior noise levels used in airport sound insulation programs*
Randy Waldeck, Paul Schomer, John Freytag nad Herb Singleton
- 589 - Tues 2:20 Nob Hill D *Measured and calculated noise reduction of rail dampers and absorption plates on high speed slab track*
Michael Dittrich, Freek Graafland, Arno Eisses and Marten Nijhof
- 590 - Mon 11:20 Salon 12 *Impedance education in the presence of grazing flow based on an analytical multiport model*
Herve Denayer, Wim De Roeck and Wim Desmet
- 593 - Wed 9:00 Salon 13 *Undergraduate noise control: Not just acoustics for dummies*
Tyler Dare
- 595 - Mon 9:00 Salon 6 *Mitigation of reciprocating engine exhaust noise using resonators*
Elden F. Ray and David M. Jones
- 597 - Wed 2:00 Salon 3 *Power generator set's acoustic material's Noise Reduction Coefficient (NRC) as selection criterion for acoustic enclosures*
Shashikant More and Martin Myers
- 598 - Mon 2:40 Nob Hill A *Methods and challenges of predicting transit noise in sensitive spaces*
Andy Wong
- 599 - Wed 10:40 Salon 14 *Experimental verification of energy harvesting performance in plate-like structures with embedded acoustic black holes*
L Zhao, S.C. Conlon and F. Semperlotti
- 600 - Mon 12:00 Salon 2 *Controlling water pump facility noise through building design and noise control technology: A case study*
Theodore C. Lindberg
- 601 - Wed 9:00 Nob Hill A *Understanding tire acoustics through Computational Fluid Dynamics (CFD) of grooves with deforming walls*
Prashanta Gautam and Abhilash Chandy

- 603 - Tues 11:20 Salon 5 *Simulation of noise radiation of an electrical inductor using a multiphysics modeling*
Kaiss Bouayed, Lassen Mebarek and Michel Hecquet
- 604 - Tues 9:20 Nob Hill D *Speech intelligibility testing of rail transit vehicle passenger information systems*
Gary M. Glickman and Silas J. Bensing
- 605 - Tues 2:00 Salon 10 *Overview of Maa Dah-You's 1987 paper on "Microperforated-Panel Wideband Absorbers"*
Rui Cao
- 606 - Wed 11:00 Salon 1 *Time-domain simulations of sound propagation in a simplified forest: A parametric study based on the Transmission Line Matrix (TLM) method*
Pierre Chobeau, Gwenael Guillaume and Judicael Picaut
- 607 - Mon 4:20 Salon 1 *Airport noise mapping - A case study at Istanbul Sabiha Gokcen International Airport*
Oya Keskin and Sevtap Yilmaz
- 608 - Wed 11:40 Salon 3 *Combined acoustic and vibration characterization of acoustic foam samples and green wall elements using an impedance tube and a scanning laser vibrometer*
Emmanuel Attal, Nicolas Cote, Gerard Haw, Christian Granger and Bertrand Granger
- 609 - Mon 4:40 Salon 1 *Influential factors and spatiotemporal patterns of environmental sound levels*
Daniel J. Mennitt and Kurt M. Fristrup
- 610 - Mon 1:40 Salon 2 *Including the wall scattering coefficient in the diffusion model for building acoustics*
C. Foy, J. Picaut and V. Valeau
- 611 - Wed 11:40 Nob Hill B *Noise barrier design challenges with Florida's design-build and public-private partnership projects*
Jim Mykytka, Mariano Berrios and Brian Kirkpatrick
- 614 - Tues 2:40 Salon 3 *Sound and vibration quality target development and reaction to increasing consumer demands*
Eric Frank, Bert Engels, Bahare Naimipour and Giovanni Rinaldi
- 616 - Wed 10:00 Nob Hill B *Avoidance versus abatement: A discussion of options and applications*
Kristin Rowe and Ken Polcak
- 617 - Tues 2:00 Salon 6 *High intensity and low frequency tube sound transmission loss measurements for automotive intake components*
Edward R. Green
- 619 - Tues 1:40 Salon 13 *Hearing loss prevention - Progress on the NIOSH strategic plan*
William J. Murphy and James K. Thompson
- 620 - Wed 9:20 Salon 14 *Experimental analysis of vibration and radiated sound power reduction using an array of acoustic black holes*
Philip A. Feurtado and Steve C. Conlon

- 621 - Mon 5:00 Salon 10 *LNG export terminals: Dominant noise source estimate and mitigation measures*
Ankit Chadha and Prakash Ramdoss
- 622 - Tues 5:00 Salon 1 *Comparison of the divergence of sound pressure method with the IEC61400-11 Method in Measuring the Wind Turbine Noise*
Valentin Buzduga and Alexandru Buzduga
- 623 - Wed 1:40 Nob Hill C *Helicopter and tiltrotor community noise prediction methodology for aviation environmental design tool*
Juliet Page, Benjamin May, Eric Boeker, Harry Brouwer and Clint Brouwer
- 625 - Wed 10:40 Salon 12 *Modeling noise annoyance with a new amplitude variation index for urban road traffic comprising powered-two-wheelers*
Laure-Anne Gille, Catherine Marquis-Favre and Reinhard Weber
- 626 - Tues 2:00 Nob Hill B *A simple approach for the auralization of moving sources*
Aaron L. Hastings
- 627 - Wed 11:40 Salon 13 *Exploring the accuracy of smartphone applications for measuring environmental noise*
Enda Murphy, Eoin A. King, Sean Rahusen, Jake Schpero and Lane Schpero
- 629 - Wed 2:20 Salon 2 *Refreshment of the German acoustic standards in 2015*
Rainer Machner
- 630 - Tues 9:40 Salon 13 *Influence of road traffic noise in ischaemic heart disease: Introduction to the issue in Santiago de Chile*
Ismael Gomez, Max Glisser and Camilo Padilla
- 631 - Wed 2:00 Salon 4 *Case study: Teaching hospital design with FGI acoustical criteria*
Jack B. Evans, Chad N. Himmel and Cassandra H. Weise
- 634 - Tues 5:20 Salon 15 *Practical implementation of immersive gases for improved efficiency of thin-film carbon nanotube thermoacoustic loudspeakers*
Benjamin S. Beck, Michael E. Zugger, Timothy A. Brungart, Joseph E. Fredley, Brian L. Fredley and Zachary W. Yoas
- 636 - Mon 12:00 Nob Hill B *Experiences with a classification scheme for open-plan offices in modelling and measurements*
Christian Nocke and Fabian Probst
- 638 - Tues 9:40 Salon 5 *Optimization of the sound package of a truck using Statistical Energy Analysis*
Yong Sok Jang, Jong Young Kuk, Jong Chan Park, Himanshu A. Dande, Rabah Dande and Eric Frank
- 639 - Tues 2:20 Salon 10 *Overview of Paul E. Sabine's 1931 paper: A critical study of the precision of measurement of absorption coefficients by reverberation methods*
Yangfan Liu
- 641 - Tues 5:20 Salon 13 *Flight test investigation of cabin noise exposure in the Royal Canadian Air Force CH-147F helicopter*

- Sebastian Ghinet, Andrew Price, Viresh Wickramasinghe, Yong Chen and Anant Chen
 642 - Tues 4:20 Salon 15 *Measurement procedure for wind turbine infrasound*
 Richard A. Carman
 645 - Wed 11:40 Salon 1 *A hybrid FEM/PE model for sound propagation over a mixed impedance ground*
 Hongdan Tao, Kai Ming Li, , , , , , , , , ,
 646 - Tues 2:20 Salon 6 *Modeling acoustic resonators: From theory to application*
 Matthew F. Calton and Scott D. Sommerfeldt
 647 - Tues 2:40 Salon 6 *BEM analysis of large tuned dissipative silencers and bar silencers*
 P. Wang and T.W. Wu
 648 - Wed 2:00 Nob Hill C *NCHRP Project 25-44, Field evaluation of reflected noise from a single noise barrier*
 William Bowlby, Ken Kaliski and Judith Rochat
 650 - Tues 5:00 Nob Hill D *Noise reducing strategies for pavement and bridge rehab projects*
 Bruce Rymer and Paul Donavan
 652 - Tues 11:40 Salon 14 *Experimental round-robin evaluation on structure-borne sound source force-power test methods*
 H. Kevin Lai, Andy Moorhouse and Barry Gibbs
 656 - Tues 11:20 Salon 15 *Study on the dissemination of unit Watt in airborne sound*
 Spyros Brezas and Volker Wittstock
 659 - Tues 11:40 Salon 2 *Benefits and limitations of concrete inertia bases for vibration isolation of generators*
 Jessie Roy and Russ Lewis
 663 - Tues 12:00 Salon 2 *Direct airborne and impact sound insulation of steel-framed floors for mid-rise constructions*
 Christoph Holler, Berndt Zeitler and Ivan Sabourin
 664 - Tues 1:40 Salon 2 *Comparison of detailed and simplified methods to calculate the apparent sound transmission class for the proposed 2015 national building code of Canada*
 Berndt Zeitler, Jeffrey Mahn and David Quirt
 665 - Tues 3:00 Salon 6 *Using CFD flow fields to inform acoustic finite element models of complex mufflers with thermal and flow effects*
 Bryce K. Gardner, Abderazak Mejdj and David Copley
 666 - Mon 3:40 Salon 10 *Jackhammer chisel noise control*
 Henry A. Scarton and Kyle R. Wilt
 667 - Wed 9:00 Nob Hill D *Music to your ears: Part 1: Transit groundborne noise criteria for concert halls*
 Deborah Jue and Richard Carman
 668 - Tues 5:00 Salon 11 *Elevator noise reduction in a high rise luxury condominium*
 Michael Yantis
 669 - Tues 2:40 Nob Hill D *Performance and application of sound barriers of high speed railway*

- 670 - Wed 10:00 Salon 14 Cong-Shuang Jiang, Hong-Bing Su, Jia-qi Sun, Yong-kang Miao, Xiang Miao, Dan Q Fang, Mark Chen and Shih Ming Lu
Investigation of the acoustic black hole termination for sound waves propagating in cylindrical waveguides
Abdelhalim Azbaid El-Ouahabi, Victor V. Krylov and Daniel J. O'Boy
- 671 - Wed 9:00 Salon 6
Application and development of allotype micro-perforated panel sound barriers
Shih Ming Lu, Sheng-Yun Fu, Dan Q. Fang and Kun Yao
- 672 - Tues 10:00 Nob Hill D
Practical contact filter for rolling noise using 2D FFT
Jiannan Yang
- 673 - Tues 3:00 Nob Hill D
Analysis of vibration characteristics and attenuation efficiency of combined vibration mitigation tracks
Fangqiu Sun and Bin Shao
- 674 - Wed 2:20 Salon 6
Experimental evaluation of spacecraft RWA disturbance with flexible structural effects
Geeyong Park, Jongeun Suh and Jae-Hung Han
- 675 - Tues 10:40 Salon 10
Noise measurements of the 155 mm field Howitzer
Waseim Alfred
- 676 - Wed 2:20 Salon 5
Analysis of the effects on transmission loss of changes to stud gauge, spacing, and height in single steel stud walls
Wayland Dong nad John J. LoVerde
- 677 - Tues 11:40 Nob Hill D
Analysis of using prefabricated structure in rail transit engineering vibration isolation system
Chang -yun Zou and Bin Shao
- 679 - Mon 2:00 Salon 2
Prediction and control of occupant generated noise levels in open plan collaborative office spaces
Michael J. Brown
- 680 - Mon 1:40 Salon 4
A non-line-of-sight identification algorithm in automatic microphone localization for experimental acoustic modal analysis
Giampiero Accardo, Bram Cornelis, Karl Janssens, Bart Peeters, Paolo Peeters and Milena Martarelli
- 681 - Mon 11:20 Salon 15
Research and application of acoustical modeling of power plant
Hong-Bing Su, Cong-Shuang Jiang, Bo Feng, Rui Ma and Dan-Qun Ma
- 682 - Tues 10:40 Salon 1
Prediction and modelling of underwater noise in Australian shallow water environments
Matthew W. Koessler and Alec J. Duncan
- 683 - Wed 9:20 Nob Hill B
Variations in state highway agency policies in the United States
Paul Burge, Cole Matin and Adam Alexander
- 684 - Mon 5:20 Salon 12
A study on alternative methods to measure and predict acoustical properties of construction materials in Colombia
Hector Garcia-Mayen, Diana M. Garza, Luis A. Tafur and Antonio Escamilla

- 685 - Wed 11:20 Nob Hill C *An update on the development of guidance and best practices for application of the FHWA Traffic Noise Model*
Christopher Bajdek and Christopher Menge
- 686 - Mon 2:20 Salon 11 *Evaluation of a large scale active control system for transformer noise control*
Jinpei Xue, Xiaofan Huang, Jing Lu, Shuping Wang, Jiancheng Wang and Kai Chen
- 687 - Tues 4:20 Salon 14 *Structural-acoustic responses of a coupled panel cavity system using deterministic and statistical approaches*
Renqiang Jiao, Jianrun Zhang, Fei Xue, Xin Liao and Xin Liao
- 688 - Mon 2:40 Salon 10 *It is time to modify the symbol for decibel (dB) so that it is unambiguous*
Robert D. Hellweg Jr., Charles Oppenheimer, , , , , , , , , ,
- 689 - Tues 11:20 Salon 1 *Case studies: Hydroacoustic assessments for pile driving projects in Virginia*
Christopher J. Bajdek
- 691 - Wed 12:00 Salon 5 *Measurement and prediction of the sound transmission loss for various sample positions*
Charles Moritz, Jennifer Shaw, Armando Carrera, Keyu Chen and David Chen
- 692 - Mon 1:40 Salon 5 *Study on the sample size optimization for ship acoustic fault identification*
Linke Zhang, Na Wei, Jiewei Du and Jianwue Zhao
- 694 - Wed 9:00 Salon 11 *Computing tool for simulation and evaluation of the facades acoustic insulation performance*
Vanessa F.M. Takahashi and Stelamaris R. Bertoli
- 697 - Tues 12:00 Nob Hill D *California high speed rail noise and vibration*
Areg Gharabegian
- 698 - Wed 1:40 Salon 5 *Empirical model of direct sound transmission through lightweight wood construction*
Berndt Zeitler, Christoph Holler and Jeffrey Mahn
- 700 - Wed 11:20 Salon 6 *Feature extraction for rotary-machine acoustic diagnostics focused on periodic period*
Kesaaki Minemura, Tetsuji Ogawa and Tetsunori Kobayashi
- 702 - Tues 2:40 Salon 10 *Sound design of a dual shell horn based on numerical methods in a passenger vehicle*
Tae-Jin Shin, In-Seok Lee, In-Sik Bae and Sang-Kwon Lee
- 705 - Mon 10:00 Nob Hill B *Nearfield sound insulation by using microperforated panels*
Zenzo Yamaguchi and Ichiro Yamagiwa
- 707 - Mon 2:20 Nob Hill B *The difference of perceived loudness of sounds between men and women*
Mariko Hamamura, Manami Aono and Shin-ichiro Iwamiya
- 709 - Tues 11:20 Salon 3 *Sound effect variation using active sound design system*
Norio Kubo
- 712 - Tues 10:00 Salon 11 *Turnable viscosity of photo-rheological fluids and its application to structural damping control*

- Gi-Woo Kim, Jong-Hwan Yoon, Min-Young Cho, Ji-Sik Kim and Seoung-Bok Kim
 714 - Wed 11:00 Salon 12 *Investigation on a novel experimental program for subjective evaluation of sound quality*
 Xue Fei, Sun Beibei, Chen Jiandong, Jiao Renquiang and Liu Renquiang
- 715 - Tues 9:40 Salon 3 *Characteristics of parametric speakers using PDM amplifier*
 Wei Quan, Chang Geer, Sahdev Kumar and Hideo Furuhashi
- 716 - Tues 2:00 Salon 2 *Influence of excitation position and floor-room modal coupling on low frequency impact noise*
 Krister Larsson and Nata Amiryarahmadi
- 717 - Tues 2:00 Nob Hill A *Comparative assessment of low noise asphalt pavements*
 James McIntosh, Marc Buret and Cassandra Simpson
- 718 - Tues 2:20 Nob Hill C *Effects of measurement quantities in the evaluation of aircraft sound events*
 Naoaki Shinohara and Ichiro Yamada
- 719 - Mon 10:00 Nob Hill C *Effectively field testing the potential for noise and vibration impact from fitness activities*
 Erik Miller-Klein
- 720 - Mon 11:00 Salon 3 *Assessing the relationships between soundscape and landscape in urban environment*
 Joo Young Hong and Jin Yong Jeon
- 721 - Mon 2:20 Salon 2 *Acoustic measurement experiments to the orchestra shells in two multipurpose halls*
 Yang Fu, Xiang Yan and Peng Wang
- 722 - Tues 4:20 Salon 5 *Development of noise and vibration coupling analysis programs based on Energy Flow Analysis(EFA) Method*
 Suk-Yoon Hong, Jee-Hun Song and Hyun-Wung Kwon
- 725 - Wed 11:00 Salon 4 *An investigation on the SRI of traffic noise transmission through an open window into a rectangular room in high-rise buildings*
 Jiping Zhang, Peng Chen, Saiyan Shen, Anguo Zhou, Lu Zhou, Yangyang Chen, Qiangqiang Hu, Jie Jiang, Li He and Wenbo Xiong
- 726 - Tues 4:40 Salon 15 *Uncertainty of measuring reverberation time at low frequency in a residential building*
 Hansol Lim, Joo Young Hong and Jin Yong Jeon
- 727 - Tues 2:20 Salon 2 *Transfer path analysis of floor impact noise and vibration in a multi-story building*
 Jin Yong Jeon, Hansol Lim and Byung Kwon Lee
- 728 - Tues 11:00 Salon 3 *Relationship between detectability and fluctuation strength of warning sounds for quiet vehicle*
 Nozomiko Yasui and Masanobu Miura
- 729 - Mon 2:40 Salon 11 *An experimental investigating on the road traffic noise signals with general acoustical sensors and a vibration sensor on glass pane in the window of high-rise buildings*

- 730 - Tues 10:00 Salon 5 Jiping Zhang, Jie Jiang, Lei Zhang, Dian Wu, Li Wu, Wenbo Xiong, Hui Ming, Jia Chen, Lijiang Cao and Hong Pan
Application and development of wavenumber extended multi-dimensional interpolation technique for aeroacoustic problems
Seokjong Jang, Seoryong Park, Hanahchim Choung and Soogab Lee
- 731 - Tues 11:40 Salon 15 *Measurement of loudspeaker radiation patterns using planar microphone arrays*
Qiaoxi Zhu, Ming Wu, Ling Lu and Jun Yang
- 732 - Tues 2:20 Nob Hill B *3D hearing with loudspeaker array around pinna*
Luxin Yang and Rilin Chen
- 733 - Mon 11:20 Salon 6 *Using a real-time acoustic beamformer for sound visualization*
JunGoo Kang, Youngkey Kim, Kurt Veggeberg, Myunghan Lee and Kang-Duck Lee
- 734 - Tues 2:40 Salon 5 *Free and forced vibration analysis of coupled beam and cylindrical shell structure*
Yipeng Cao, Runze Zhang
- 735 - Mon 3:00 Salon 11 *A numerical study of virtual sound barrier with virtual sensors*
Haishan Zou, Xiaojun Qiu and Ningrong Li
- 736 - Mon 2:00 Salon 6 *Noise source localization in jet discharged by a converging-diverging nozzle through NAH*
Vikas N. Bhargav, Nitesh Anerao and K. Srinivasan
- 737 - Mon 2:40 Nob Hill B *Determination of speech levels of Japanese talkers focusing on room acoustic conditions*
Hyo-Jin Lee and Shinichi Sakamoto
- 740 - Mon 11:00 Salon 13 *Sound source localization in impinging jet using planar NAH*
Nitesh Anerao, Vikas Bhargav and K. Srinivasan
- 741 - Wed 1:40 Nob Hill B *Developing the adaptive noise parameter update algorithm based on traffic volume and pavement type*
Sungho Mun and Deok-Soon An
- 742 - Tues 11:40 Salon 3 *Subjective evaluation of amplitude fluctuated sounds that warn of approaching quiet vehicle*
Nozomiko Yasui
- 744 - Wed 2:40 Salon 6 *Empirical acoustic loads prediction of high-speed vehicle including launch tube effects*
Seoryong Park, Seokjong Jang, HanAhChim Choung, Wonjong Eun, Ho-Joon Eun, SangJoon Shin and Soogab Lee
- 745 - Tues 11:40 Nob Hill A *RONDA open frame CPX trailer - Results of first trials*
Renzo Tonin, Michael Chung and Michael Gange
- 746 - Wed 9:40 Salon 10 *Uncertainty analysis of TPA with tonal excitation*
Michael Vorlander and Samira Mohamady
- 747 - Tues 2:40 Nob Hill B *Strategies for the real-time auralization of fast moving sound sources in interactive virtual environments*
Frank Wefers and Michael Vorlander
- 748 - Wed 5:20 Nob Hill C *Verification of an aircraft noise prediction model developed for JAXA's DREAMS project*

- 749 - Tues 3:00 Salon 5 Hirokazu Ishii, Takatoshi Yokota, Koichi Makino, Naoaki Shinohara and Masayuki Shinohara
Development of CSEA and TSEA software for predicting high-frequency dynamic responses in complex plate structure
- 750 - Wed 9:20 Salon 11 Hyeonmin Yang and Young-Ho Park
A study on sound field changes in indoor facilities and equipment of apartments by using acoustic simulation software
- 751 - Tues 9:20 Salon 13 Nam-Su Lee, Min-Jeong Song, Min-Woo Kang, Yang-Ki Oh
A prospective cohort study of road traffic noise effects on diabetes
Charlotte Clark, Lillian Tamburic, Michael Brauer and Hugh Davies
- 752 - Tues 3:00 Salon 10
Sound field reproduction based on Least-Squares Method
Jihyeon Jeong and Youngjin Park
- 756 - Mon 4:20 Salon 13
Development of matching layer for ultrasonic wireless power transmitter
Gunn Hwang, WooSub Youm and Sung Q Lee
- 759 - Wed 9:00 Nob Hill C
Study on the validity of an airport noise model considering aircraft ground operation noise
Toshiyasu Nakazawa, Masayuki Sugawara, Hisashi Yoshioka and Ichiro Yamada
- 760 - Mon 10:00 Nob Hill A
Differentiation of impinging jet noise
Abhijit Dhamanekar and K. Srinivasan
- 761 - Tues 2:00 Nob Hill D
The predicted vibration and ground-borne noise performance of modern high speed railway tracks
Tom Marshall, Gennaro Sica, Niall Fagan, David Perez, Oliver Perez and Rupert Thornely-Taylor
- 762 - Wed 2:00 Salon 12
Improvement of sound emitted from copy machine
Takeo Hashimoto and Shigeko Hatano
- 763 - Wed 2:20 Salon 12
The sounds of household appliances and its relationship with the quality of life
M. Ercan Altinsoy
- 764 - Mon 11:40 Nob Hill C
Mitigation of gym noise and vibration in mixed-use buildings
Diego Hernandez and Ethan C. Salter
- 766 - Tues 12:00 Salon 15
Investigations for determining the sound power level by applying different measurement setups according to ISO 3744
Ilka Arendt and Patrick Kurtz
- 767 - Tues 3:40 Salon 14
A case study on the vibration monitoring for thermal power plant
Seoung-Tae Oh, In-Geouk Joo, Kyeing-Hwan Oh, Mu-Sang Yoo, Cheol-Woo Yoo, Ha-Yong Gim, Kil-Su Ryu and Seung-Woo Han
- 768 - Tues 1:40 Salon 4
Field experiments on ANC for infrasound by using pneumatic powered sound source
Keiichiro Iwanaga and Tetsuya Doi

- 771 - Mon 3:40 Salon 11 *Virtual sensing at low computational cost for active noise control*
R. Quintana, L. Piroddi and D. Patino
- 772 - Mon 4:00 Salon 11 *Performance analysis of active noise control of transformer noise using wideband feedforward control algorithm*
Jing Lu, Jinpei Xue and Haishan Zou
- 777 - Tues 12:00 Salon 14 *Low frequency radiation modes of cylindrical shells based on system spatial decomposition*
Ali Loghmani, Mohammad Danesh, Mehdi Keshmiri and Moon-Kyu Kwak
- 778 - Tues 1:40 Salon 15 *Discussion on microphone calibration in infrasonic frequency*
Xinjuan Feng, Longbiao He, Feng Niu, Bo Zhong and Huan Zhong
- 781 - Tues 5:20 Salon 11 *Noise and vibration control of an offset traction elevator system*
Jeffrey L. Fullerton and Tray Edmonds
- 782 - Wed 10:40 Nob Hill D *Implementing real-time noise and vibration monitoring to minimize disruption to research facilities during construction*
Gary Glickman and Ani Toncheva
- 784 - Mon 10:40 Nob Hill B *Efficiency of the barrier with a wedge-shaped device composed of wells on the top plane*
Masaki Hasebe
- 788 - Tues 3:00 Nob Hill C *A study on the comparison between WECPNLk and Lden for military aircraft noise assessments*
Jae Sik Park, Seong Chul Yoon, Woo Young Joe and Sang Kyu Park
- 789 - Mon 10:40 Nob Hill C *Comparing various fitness flooring assemblies using a tapping machine and heavy impact sources*
Paul Gartenburg and Paul Downey
- 790 - Mon 2:20 Nob Hill C *Structure-borne sound characterization of structures in coupled conditions applying a time domain approach*
Wolfgang Kropp and Goran Pavic
- 791 - Tues 9:00 Nob Hill A *Temperature influence on the tire/road noise evaluated by the drum method*
Piotr Mioduszeowski, Jerzy Ejsmont, Stanislaw Taryma and Ryszard Wozniak
- 792 - Wed 12:00 Salon 3 *Case study on vibration reduction for a condensate vertical pump in the energy plants*
In Sun Park, Tae Hee Kim, Soung Cheol Yoon and Sang Kyu Park
- 794 - Tues 9:00 Salon 14 *Building higher with light-weight timber structures: Effect of wind induced vibrations*
Marie Johansson, Andreas Linderholt, Asa Bolmsvik, Kirsi Jarnero, Jorgen Jarnero and Thomas Reynolds
- 795 - Tues 2:00 Salon 15 *A new method to characterize impulsive sources using acousto-optic interaction*
Antoni Torras-Rosell and Salvador Barrera-Figueroa

- 798 - Wed 9:40 Salon 11 *A study on structure borne noise of hollow slab through a scale model*
Seong Chul Yoon and Sang Kyu Park
- 803 - Tues 9:00 Salon 13 *Effects of aircraft noise on sleep: Habituation in the laboratory and in the field*
Mathias Basner, Sarah McGuire, Eva-Maria Elmenhorst and Uwe Muller
- 805 - Mon 11:20 Nob Hill B *Barriers for noise mitigation: Pilot projects in Istanbul*
Aybike Ongel and Esad Ergin
- 807 - Tues 4:20 Nob Hill A *The simulation of truck tire rolling noise*
C. Hoever and W. Kropp
- 810 - Mon 2:40 Salon 3 *Acoustic environments and their perception measured by the soundwalk method*
Andre Fiebig
- 811 - Wed 11:40 Salon 10 *Uncertainty of an in situ method for measuring ground acoustic impedance*
David Ecotiere, Philippe Gle, Benoit Gauvreau, Regis Boittin, Hubert Boittin and David Lunain
- 812 - *Where we go from here to engineer a quieter America*
William W. Lang and George C. Maling Jr.
- 813 - Wed 2:00 Salon 13 *Analysis method for determining acoustical performance between indoor mixed uses and residences*
John LoVerde and Wayland Dong
- 814 - Tues 10:40 Nob Hill D *Development of a new emergency warning signal for trains to improve detectability of pedestrians wearing headphones*
Jason C. Ross, Timothy M. Johnson, Tom Campell, Basant K. Parida, Abdullah K. Parida and Tarek Omar
- 815 - Tues 3:00 Nob Hill B *Experimental demonstration of sound prediction by source characterization*
Liangfen Du and Goran Pavic
- 817 - Tues 4:00 Nob Hill B *Statistical learning methods for predicting single-event sound levels from ground-level meteorological data*
Steven L. Bunkley, Edward T. Nykaza, D. Keith Wilson and Dan Valente
- 819 - Wed 10:00 Salon 11 *Modelling walking loads on a lightweight wooden floor*
Anders Sjoström, J. Negreira and D. Bard
- 820 - Mon 3:00 Salon 3 *Soundscapes of digital morphogenesis in architecture which created from musical algorithm*
Didem Acar and Nurgun Tamer Bayazit
- 821 - Mon 1:40 Nob Hill A *Modeling the effects of structure mass in reducing ground-borne vibration and ground-borne noise in rail transit systems*
Herbert Singleton and Scott Edwards
- 824 - Mon 3:00 Nob Hill B *Is the noise or the vibration more disturbing? Multimodal interaction investigation based on street sweepers*
M. Ercan Altinsoy and Andreas Nicht
- 825 - Wed 9:20 Salon 13 *Airborne sound power level measurement methods revisited*

- 826 - Tues 2:20 Salon 3 Patrick Kurtz and Ilka Arendt
Detection and contribution of outliers in product sound quality evaluation
- 827 - Tues 4:40 Nob Hill D Samir N.Y. Gerges nad Roberto A. Dias
Dynamic response of high-performance floating slab track
- 829 - Wed 2:40 Salon 2 James Tuman Nelson, Derek L. Watry and Miie Amato
ISO acoustic and noise standards: Recent changes and possible future revisions
- 830 - Mon 2:20 Salon 4 Robert D. Hellweg Jr. and Paul Schomer
Perceived sound quality of additional alert sounds of an electric vehicle
- 832 - Wed 11:20 Salon 12 Sneha Singh, Sarah R. Payne, James B. Mackrill and Paul A. Jennings
A laboratory study on perception of supersonic aircraft noise as heard indoors
- 833 - Wed 11:20 Salon 11 Daniel J. Carr and Patricia Davies
Experiences with sound insulating open windows in traffic noise exposed residential areas
- 836 - Wed 10:40 Salon 11 Birgit Rasmussen
Providing speech security for meeting rooms using the threshold of information leakage
- 839 - Mon 11:20 Nob Hill A Carl Hopkins, Matthew Robinson, Ken Worrall and Tim Jackson
Analysis of outer flow effects on wall pressure spectra through underwater velocity and pressure measurements
- 842 - Wed 10:00 Nob Hill D Massimo Miozzi, Giovanni Aloisio, Massimo Falchi and Elena Ciappi
Effects of rail and wheel condition on wayside ground vibration
- 843 - Tues 4:40 Salon 13 James Tuman Nelson, Derek L. Watry and Patrick G. Faner
Uncertainty calculation for hearing protector noise attenuation measurements for one specific brand in one laboratory
- 847 - Mon 11:00 Nob Hill C Rafael Nagi Cruz Gerges and Samir Nagi Yousri Gerges
Field acoustical measurement of heavy weight impacts associated with weight drops in fitness centers
- 848 - Mon 11:00 Salon 1 John LoVerde, Wayland Dong, Matt Rashoff, Samantha Rawlings and Richard H. Rawlings
Vibration response of lightweight building elements under structural excitation
- 849 - Mon 11:20 Salon 1 Simon Bailhache and Michel Villot
Predicting sound transmission loss of timber framed walls and floors using SEA, in "AcouBois" project of the French wood industry
- 850 - Wed 11:00 Salon 11 Jean-Luc Kouyoumji and Catherine Guigou
Preliminary results on the acoustic environment in classrooms in France
- Simon Bailhache and Catherine Guigou-Carter

- 853 - Mon 2:00 Salon 13 *System-level vibration testing of physical hardware using real-time hybrid substructuring*
Rui M. Botelho, Joseph A. Franco and Richard E. Christenson
- 855 - Mon 11:40 Salon 12 *Distributed array of particle impact dampers as a removable noise control treatment in metal fabrication*
Fabio Menegatti de Melo, Ethan Bisgaard and Kenneth A. Cunefare
- 859 - Mon 10:40 Salon 15 *Acoustic streaming around a spherical microparticle/cell under ultrasonic wave excitation*
Zhongzheng Liu and Yong-Joe Kim
- 860 - Tues 9:40 Nob Hill D *Identification of generation of track-bogie induced structure borne sound in trains*
Hyo-In Koh and Anders Nordborg
- 862 - Tues 4:20 Salon 6 *A practical guide to the specification and selection of vent and blowdown silencers*
John E. Praskey
- 863 - Tues 5:00 Nob Hill A *Tire tread vibration damping increase for better road noise and minimum adverse effects*
Masao Ishihama, Junnya Wachi, Yuhdai Komagamine, Ippei Soma, Sanford E. Soma and Toru Fujikura
- 864 - Wed 11:40 Salon 6 *Ground monitoring of vibration of bottom hole assembly in a drill string system using acoustic transfer functions and hybrid analytical/two-dimensional finite element method*
Seongil Hwang and Yong-Joe Kim
- 865 - Mon 9:40 Salon 6 *Testing issues with breakout noise of mufflers*
Daniel Kato, Gong Cheng, Keyu Chen, D.W. Herrin and Andy Seybert
- 866 - Tues 9:20 Salon 10 *Investigation of noise pollution on campus due to building chillers*
Richard J. Ruhala, Jacob D. Davis and Daniel Y. Karasek
- 869 - Tues 3:40 Nob Hill D *Light rail vehicle vibrations due to wheel flats*
Derek L. Watry, Thomas F. Bergen and James T. Nelson
- 872 - Mon 5:20 Salon 1 *Noise mapping analysis to predict acoustic barriers along a new express highway in Sao Paulo, Brazil*
Maria Luiza R. Belderrain, Mariene Benutti Giunta, Rafael Vaidotas and Wanderley Montemurro
- 873 - Tues 1:40 Salon 14 *Prediction of break-out sound from a rectangular cavity via an elastic panel*
Gang Wang, Wen L. Li, Jingtao Du and Wanyou Li
- 875 - Mon 4:00 Nob Hill B *MisMatch Negativity (MMN) in high and low noise sensitivity individuals*
Kim White and Martijn Meeter
- 877 - Tues 2:00 Salon 14 *Blocked forces for the characterisation of structure borne noise*
Andy Elliott, Joshua Meggit and Andy Morrhouse
- 878 - Tues 5:20 Nob Hill D *Rail and wheel maintenance as a noise mitigation measure*
Hugh Saurenman and Anthony Evans

- 879 - Mon 3:40 Nob Hill C *A combined deconvolution approach to separate stationary and moving mono-frequency acoustic sources*
Pinxi Mo and Weikang Jiang
- 880 - Wed 3:00 Salon 2 *ASTM: Its importance in designing and defining the acoustic aspects of a building and community*
Bonnie S. Schnitta
- 881 - Mon 3:40 Salon 4 *Vibration and sound radiation analysis of vehicle axle systems using an integrated approach*
Yawen Wang, Dong Guo, Srkiumar Gopalakrishana and Teik C. Lim
- 884 - Mon 2:20 Salon 10 *Tiger team review of a potential new noise control product*
Mark C. Storm
- 885 - Mon 4:00 Salon 15 *Simple estimation of absorption coefficient of porous materials in tube-based measurement under constraint/gapped edge conditions*
Naohisa Inoue and Tetsuya Sakuma
- 887 - Mon 2:40 Salon 6 *Generation of personal sound zones in the interior and exterior of automotive vehicles*
Jung-Woo Choi, Jin-Seok Hong and Yang-Hann Kim
- 888 - Tues 3:40 Salon 5 *Numerical modeling of mounting of plate-like elements on sound insulation*
Tetsuya Sakuma, Naohisa Inoue and Tsuyoshi Seike
- 890 - Mon 4:20 Salon 11 *A novel variable step-size filtered-x least mean square algorithm for continually varying noise*
Amrita Puri, Subodh V. Modak and Kshitij Gupta
- 893 - Mon 2:20 Salon 3 *Developing an applied soundscape approach: Mapping the stakeholder engagement process in the city of Brighton and Hove, UK*
Lisa Lavia, Jieling Xiao, Jian Kang, Matt Easteal and Simon Easteal
- 894 - Wed 10:00 Salon 1 *Sound field predictions for a monopole source moving uniformly in a stratified medium above an impedance plane*
Bao N. Tong and Kai Ming Li
- 895 - Mon 11:20 Nob Hill C *Impact noise control of health club equipment*
Joseph M. Cuschieri
- 897 - Mon 9:00 Salon 14 *Extraction and linearization of nonlinear systems based on frequency response functions*
Xin Liu, Beibei Sun, Jiandong Chen, Renqiang Jiao and Fei Jiao
- 898 - Wed 12:00 Salon 1 *Modeling the influence of weather to acoustic absorption of ground surface: An in-situ study by long-term measurements*
Takuya Oshima, Yumi Kurosaka and Meiji Honda
- 900 - Mon 11:20 Salon 13 *Valveless standing wave pump with saw-tooth channeled rectifying device*
Sonu K. Thomas and T.M. Muruganandam
- 901 - Wed 2:40 Salon 3 *Noise generated by masonry saws in Brazilian construction materials*

- 902 - Tues 10:40 Salon 13 Adriano A.R. Barbosa and Stelamaris R. Bertoli
A conceptual model of environmental noise interventions and human health effects
- 903 - Mon 5:00 Salon 1 A.L. Brown and Irene van Kamp
Russian standard regulating quality requirements and testing criteria of software for sound outdoor calculation
- 904 - Tues 4:40 Salon 10 Ilya E. Tsukernikov, Igor L. Shubin, Leonid A. Tikhomirov and Tatiana O. Nevenchannaya,
Vibrations due to trains: Exposure response relations and the role of contextual and personal factors
- 906 - Tues 2:40 Salon 11 Irene van Kamp, Elise van Kempen, Harm van Wijnen, Edwin Verheijen, Tifanny Verheijen, Oscar Breugelmans, Liesbet Dirven and Arnold Koopman
Measurement of behavior of a force-moment actuator in general working mode
- 907 - Wed 11:00 Nob Hill D Ondrej Jiricek, Vojtech Jandak, Marek Brothanek and Vaclav Pospichal
Vibration sensitivities and transit system impacts in research-oriented settings
- 908 - Tues 2:20 Salon 15 Byron Davis
Design of a new ear simulator
- 909 - Wed 10:00 Salon 13 Dominique Rodrigues, Thomas Lavergne, Erling Sanderman Olsen, Richard Barham, Thomas Barham and Jean-Noel Durocher
The perceived customer satisfaction of sound transmission in relation to final product price
- 913 - Wed 11:40 Salon 11 Fredrik Lindblad and Tobias Schauerte
Sound insulation window design for sound insulation in areas impacted by aircraft noise
- 914 - Mon 4:40 Salon 11 Li-Juan Zhang, Rui-xiang Song, Xu Liu and Wenting Shi
The noise reduction of floor impact sound using active noise control
- 915 - Tues 10:00 Salon 3 Dong-ki Min, Gyung-min Toh, Jun-hong Park and Sang-won Nam
Auditory impression concerning coolness and warmness for automotive HVAC noise
- 918 - Tues 4:20 Salon 3 Takuya Hotehama, Masaru Kamiya nad Seiji Nakagawa
Development of noise and vibration measurement method based on the actual operating point of small fan installed in electronic equipment
- 920 - Wed 9:00 Salon 14 Ikuo Kimizuka, Gaku Minorikawa, Toshiaki Nakayama and Masaharu Miyahara
A review of experimental investigations into the acoustic black hole effect and its applications for reduction of flexural vibrations and structure-borne sound
- Elizabeth P. Bowyer and Victor V. Krylov

- 921 - Tues 9:20 Salon 14 *Statistical parameters extraction of the vibration signals of a gearbox for machine diagnosis*
Leonardo Sarmiento Moscoso, Grover Zurita Villarroel, Vinicio Sanchez Loja, Adrian Arpi Sladana and Arpi Sladana
- 924 - Wed 11:40 Nob Hill D *Acoustic environment of residential buildings along the light rail areas in mountainous cities*
Hui Xie, Cen Liu, Jingwen Zou, Mingyue Li and Heng Li
- 925 - Tues 11:40 Salon 5 *Comparison of methods for the solution of high frequency vibroacoustic problems*
Zhidong Zhang, Rohan Bhawar and S.T. Raveendra
- 926 - Tues 9:00 Salon 12 *Designer backings to improve microperforated panel absorber performance*
Weichen Wang, Robert Wick and D.W. Herrin
- 930 - Mon 3:40 Salon 6 *The concept of "Spatial Equalizer" and its applications*
Yang-Hann Kim, Dae-Hoon Seo and Jung-Woo Choi
- 932 - Wed 9:40 Nob Hill C *Subjective loudness of aircraft noise in the existence of background noise*
Chanil Chun, Doo Young Gwak, Kiseop Yoon, Yeolwan Seong and Soogab Kim
- 933 - Tues 10:40 Salon 11 *Broadband active control of noise and vibration in a fluid-filled pipeline using an array of non-intrusive structural actuators*
Jordan Cheer and Steve Daley
- 934 - Tues 9:40 Salon 14 *Development, simulation and experimental investigation of a function-integrated and foam damped oil pan for a two cylinder Diesel engine*
Peter Schrader, Tommy Luft, Hermann Rottengruber, Fabian Duvigneau and Ulrich Duvigneau
- 939 - Tues 11:40 Salon 1 *Acoustical aspects for permitting marine pile driving projects*
James A. Reyff
- 941 - Tues 3:40 Nob Hill B *Contents of a graduate-level course in spatial sound and 3-D audio*
Victor W. Sparrow and Michelle C. Vigeant
- 943 - Mon 11:40 Nob Hill A *Flow generated noise inside mufflers*
Tamer Elnady, Ahmed Abosrea, Waleed Elsallamy and Waleed Elsallamy
- 944 - Tues 4:40 Salon 6 *Modeling industrial mufflers using two-ports*
Tamer Elnady, Mina Wagih, , , , , , , , ,
- 945 - Tues 5:00 Salon 2 *Influence of the floor load on the heavy-weight floor impact sound insulation*
Atsuo Hiramitsu
- 949 - Wed 11:20 Salon 10 *Variations and uncertainties calculating noise indices using the new Annex II methods of the European noise directive*
Christian Kirisits and Christoph Lechner
- 950 - Wed 1:40 Salon 3 *Vibration reduction of parallel panels using foam stiffening elements*
Jason Ley and John Anton

- 952 - Wed 11:40 Salon 14 *Acoustic meta-structures based on periodic acoustic black holes: Dispersion and propagation Characteristics*
H., Zhu and F. Semperlotti
- 953 - Mon 10:00 Salon 6 *Validation of the reciprocal work identity method with AML for large silencer analysis*
K. Ruan, T.W. Wu and D.W. Herrin
- 954 - Tues 4:20 Salon 12 *Two-dimensional arbitrary shape acoustic cloaks composed of homogeneous parts realized by layered structures*
Qi Li and Jeffrey S. Vipperman
- 955 - Mon 10:00 Salon 5 *The application of impedance analysis method in dynamic response analysis of ship*
Fu-zhen Pang, Hong-bao Song, Xue-ren Wang and Chuang Wu
- 956 - Mon 4:40 Salon 13 *Acoustic noise durability verification procedure for an external-mounted equipment on an aircraft fighter*
Jong-Hak Lee, Yu-Kyoung Lee, Young-Sik Kang, Ji-Ho Choi and Dong-Seok Choi
- 957 - Tues 4:00 Salon 15 *A system of far-field sound pressure prediction based on Hadoop*
Xiaobin Cheng, Shuyuan Shi, Xun Wang and Jun Wang
- 960 - Wed 11:40 Nob Hill A *Developing innovative solutions for traffic noise control in Europe*
J. Maeck, L. Goubert, P. Morgan, T. Berge and M. Berge
- 964 - Tues 9:20 Salon 12 *Effect of orientation of fibers on the acoustical properties of a natural material*
S. Fatima and J. Stuart Bolton
- 965 - Tues 9:40 Nob Hill A *Standardized corrections for temperature influence on tire/road noise*
Ulf Sandberg
- 966 - Tues 2:20 Nob Hill A *Reduction of noise and rolling resistance by horizontal grinding of asphalt pavements*
Ulf Sandberg and Piotr Mioduszewski
- 967 - Tues 9:20 Salon 4 *Wind noise contribution to vehicle interior SPL - Case study*
Denis Blanchet, Anton Golota and Roger Almenar
- 968 - Tues 1:40 Nob Hill D *Numerical, experimental, and hybrid prediction of ground vibrations produced by high speed railway traffic*
G. Degrande, H. Verbraken, K. Kuo, S. Francois, A. Francois and G. Lombaert
- 969 - Wed 10:40 Nob Hill B *Investigating the influence of road noise on people's perceptions and health based on physiological indices and blood changes*
Jen-Fang Yu, Kun-Che Lee, Chi-Chwen Lin, Chia-Yi Lee and Wen-Ko Lee
- 972 - Tues 10:00 Nob Hill A *Speed dependency of temperature effects on tyre/road noise measurements*
Erik Buhmann, Ulf Sandberg and Piotr Mioduszewski
- 973 - Tues 3:00 Nob Hill A *A study on the tire/road noise measurement survey about some concrete pavements and the dense asphalt pavement*

- Eiji Noguchi, Hisho Mori, Motoomi Yoshida, Tomotaka Ueta, Kenichi Ueta, Shirou Kabshima, Takayuki Daimoto and Hiroshi Miyazaki
- 974 - Mon 9:20 Salon 15 *Study on driving point power flow as power dissipation in discrete vibratory systems*
Akira Inoue and Yosuke Tanabe
- 982 - Tues 3:40 Nob Hill A *A study on the frequency characteristic of tire/road noise about concrete pavements, composite pavements and the dense asphalt pavement*
Hisho Mori, Eiji Noguchi, Motoomi Yoshida, Tomotaka Ueta, Kenichi Ueta, Shirou Kabashima, Takayuki Daimoto and Hiroshi Miyazaki
- 983 - Mon 4:00 Salon 6 *The influences of the bright zone objective function on the sound field control*
Ho-Min Ryu, Ki-Hyun Kim, Jae-Hu Ryu and Se-Myung Wang
- 985 - Mon 5:00 Salon 13 *Observation and analysis of the vibration and displacement signature of defective bearings due to various speeds and loads*
Alireza-Moazen ahmadi and Carl Howard
- 989 - Tues 2:40 Salon 15 *Progress and discussion on the frequency response measurement of photodetector for ultrasonic applications*
Xiujuan Feng, Ping Yang, Longbiao He, Bo Zhong, Feng Zhong and Huan Xu
- 990 - Mon 11:40 Salon 15 *Dynamic analysis of circular cylindrical shell for boundary conditions and structural parameters*
Huan Meng, Dong-Yan Shi, Yun-Ke Zhao and Qing-Shan Wang
- 990 - Tues 10:00 Salon 14 *Dynamic analysis of circular cylindrical shell for boundary conditions and structural parameters*
Huan Meng, Dong-Yan Shi, Yun-Ke Zhao and Qing-Shan Wang
- 992 - Wed 10:40 Salon 1 *Two- and three-dimensional model for sound attenuation by objects on propagation*
W. Li, Z.C. Zheng, J. Zhang and G. Ke
- 996 - Tues 12:00 Salon 1 *Underwater noise mitigation using a tunable resonator system*
Mark S. Wochner, Kevin M. Lee, Andrew R. McNeese and Preston S. Wilson
- 999 - Mon 12:00 Salon 13 *Non-stationary analysis of noise from a subsonic fluidic jet*
Tyler Schembri, Anthony Zander, Richard Kelso and Paul Medwell
- 1001 - Mon 4:40 Salon 10 *Benchmark indicators for industrial noise emission*
T.J.M. van Diepen and J.H. Gramme
- 1002 - Tues 9:40 Salon 4 *Computational prediction of interior noise for design variations on a simplified vehicle*
Sivapalan Senthoooran, Raghu Mutnuri, Robert Powell, Eui-Sung Choi and Stephane Choi
- 1005 - Mon 10:40 Salon 5 *A shock simulator for naval gun back movement*

- 1006 - Wed 9:20 Nob Hill D Yu-Xuan Huang, Jian-Jun Yao, Shuo Chen and Le Zhang
Music to my ears; Part 2: Design to transit groundborne noise mitigation for concert halls
Steven Wolf
- 1007 - Wed 2:00 Nob Hill B *Modelling of road traffic noise in Sharjah city in the United Arab Emirates*
Mohamad A. Khalil, Khaled I. Hamad and Abdallah M. Shanableh
- 1009 - Mon 9:40 Nob Hill A *Experiments on porous liners in a flow duct at low Mach numbers*
Feng Peng, Yaoguang Liu and Xiaolin Wang
- 1010 - Mon 11:40 Salon 5 *A study on structure-borne noise isolation by using AVM for offshore accommodation*
Chan-Hui Lee, Sung-Hun Kim and Jong-Hoon Jeon

