

Poster Sessions

Tuesday, August 28, 2018

Building and Architectural Acoustics

Tuesday, 09:00 – 10:30, 7th Floor, Exhibit Area

Chuirs.	AIII Huu,	, Kuri Wushburn, Davia Herrin, ana Steve Sorenson
09:00	1647	Display System for Distribution of Virtual Image Sources by using Mixed Reality Technology
		Wataru Teraoka; Yuta Kataoka; Yasuhiro Oikawa; Yusuke Ikeda
09:00	1878	Adjustment of the Reverberation Time and Dimensions in the Reverberation Chamber for the Reduction of the
		Measurement Dispersion
		Bartlomiej Chojnacki; Aleksandra Majchrzak; Monika Sobolewska; Adam Pilch; Katarzyna Baruch
09:00	2199	A Characteristic of Floor Impact Noise Reduction using Slab Reinforcement of the Existing Apartment
		Seong Shin Hong; Bon Soo Koo; Byung Kwon Lee
09:00	1450	The Effect of Artificial Lightweight Aggregate in Foamed Concrete of Floor Slabs on Impact Sound Insulation
		ChangYeon Yun; HwuyWan Seo; ChangGu Kang; ChangGeun Cho; BoHyeong Lee; KiHong Park
09:00	1644	The Performance of Heavy-Weight Mortar-Based Buffer-Type Floor Structure against Floor Impact Sound
09.00	1044	Myounghoon Jun; Youngsoo Chun; Bunsik Lee
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09:00	2249	Floor Impact Sound and Vibration Characteristics with Types of Ceiling Structure and Finishing Material in Wall
		Structure Testing Facility of Slab Thickness 120mm
		In Ho Kim; Jongkwan Ryu; Daeho Mun
09:00	2307	Evaluation of Floor Impact Sound Reduction Effect of the Buffer-Type Floor Structure according to the Shape of
		Shear Connect
		Nagkyeng Hwang; Youngsoo Chun; Sangmo KIM
09:00	1350	Noise Emissions of a Mail Processing and Distribution Center: A Case Study
		Andrea Nicolini; Michele Goretti
09:00	1922	Classrooms Acoustical Comfort in Tucuman, Argentine. Analysis, Evaluation and Awareness
05.00	1722	Leonardo Paterlini; BeatrizSilvia Garzón
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09:00	2039	The Acoustics of the Church of Santa Sofia in Benevento
		Ilaria Lombardi; Gino Iannace; Amelia Trematerra

09:00 2194 The Acoustic of a Courtyard

Ilaria Lombardi; Gino Iannace; Amelia Trematerra

Advances in Analytical Simulation and Ship / Offshore NVH

Tuesday, 10:30 – 12:00, 7th Floor, Exhibit Area

10:30	1460	Numerical Simulation and Experiment Research of Lower Arm B Zhihong Liu; Huigang Wang
10:30	1735	A FSI Simulation of Tire-Water Interaction Noise Chonglei Zhao; Yintao Wei
10:30	1905	Cabin Tractor Acoustic Design at Mid-High Frequency by Statistical Energy Analysis Silvia Milana; Annalisa Fregolent; Walter D'Ambrogio; Antonio Culla
10:30	2044	Use of the Raytracing Based Solver BEAM for the Evaluation of Transfer Functions within the Time Domain Ralf Burgschweiger; Ingo Schäfer; Martin Ochmann
10:30	1311	High Speed and Weakly Nonlinear Propagation of Quasi-Monochromatic Acoustic Waves in Bubbly Liquids Tetsuya Kanagawa; Takanori Yoshimoto
10:30	1503	Numerical Study on Bubble Dynamics in a Human Joint: Effect of Liquid Viscosity and Surface Tension Hisao Taira; Tetsuya Kanagawa
10:30	1446	Reconstruction of Radiated Noise Demodulation Spectrum by Exploiting the Structure of Group Sparsity Qisong Wu; Ping Xu; Shiliang Fang
10:30	1556	Statistical Analysis for Ship Parametric Resonance in Irregular Waves Zhang Xiao; Yang Hezhen
10:30	1611	Nonlinear Structural and Acoustic Responses of Debonded Sandwich Shells Yegao Qu; Wenming Zhang; Zhike Peng; Guang Meng
10:30	1990	Localization of Propeller Tip Vortex Noise Assisted by Spectral Kurtosis Jeung-Hoon Lee; Dong-Ho Kim; Yun-Ho Shin
10:30	1599	Study on Load Fluctuation and Vibration Characteristics on Structure Caused by Dam Breaking Structure Dongyan Shi; Zhikai Wang; Ham Li

Advances in Transportation Noise

Tuesday, 13:30 – 15:30, 7th Floor, Exhibit Area

13:30	1519	Analysis and Comparison of Airport Noise Metrics Huijuan Zhang; Lijuan Zhang
13:30	2202	Study on the Generation and Propagation of Metro-Induced Ground Vibration Hao Xu; Guofeng Bai; Fusheng Sui
13:30	2205	A Revision on Mandatory Microphone Positions in the ISO11819-2 for Different Pavement Surfaces based on Noise Emission Characteristics Daeseok Han; Suhyung Lee; Sang-Hyuk Lee; Byung Sik Ohm
13:30	2208	The Comparison Analysis Between Reference Tires of ISO Standard and OEM Tire for Pavement Noise Level Measurement Sang Hyuk Lee; Soo Hyung Lee; Daeseok Han; Byungsik Ohm
13:30	2227	Feasibility Study for the Measurement of Tyre / Road Noise in Korea Byungsik Ohm; Suhyung Lee; Inkyoon Yoo
13:30	1673	Investigative Research using 6-Sigma Method on the Influences of Tire Design Factors on Automobile Road Noises Byung Sam Kim; Il Do Chang; Min Ho Kim
13:30	2228	A Study on Mid-Long Term Performance Management Methods of 2-Layer Low Noise Pavement Suhyung Lee; Sang Hyuk Lee; Dae Seok Han; In Kyoon Yoo; Byung Sik Ohm
13:30	1367	Passband Analysis of Tire-Pavement Noise Michael Staiano
13:30	1690	Fine-Scale Study of the Population Exposure to Road Traffic Noise in Foshan Ziqin Lan; Ming Cai; Yuanyuan ZHang; Yao Huang
13:30	1734	Computational Aeroacoustics Study of Tire Rolling Noise Chonglei Zhao; Yintao Wei
13:30	1840	Noise Generated during the Passage through the Bridge Expansion Joints In Cracow - Case Study Bartłomiej Chojnacki; Bartłomiej Kukulski; Magdalena Matys; Kamil Piotrowski
13:30	2031	Cluster Analysis for Temporal Stratification of the Week Days Guillermo Quintero; Andreu Balastegui; Jordi Romeu

Advances in Passive and Active Noise Control

Tuesday, 15:30 – 17:30, 7th Floor, Exhibit Area

15:30	2209	Study on Acoustic and Physical Properties Optimization of PET Composite Layers for Automotive Interior Materials Kim SangMin; Ji-Young ju; Jang-Seok Park; Mee Huh; Jin-Su Ham
15:30	1419	Apply Double Layer Sound Absorption System Development and Acoustic Performance Evaluation of Low Height Barrier Near Railways ByungKuk Hong; JeWon Yoon; KangSeok Jang; YoungChan Kim; EunSeong Seo
15:30	2295	Sound Absorption Materials for Smart Manufacturing Antonio Scofano; Sabato Di Filippo; Raffaele Dragonetti; Marialuisa Napolitano; Rosario Romano
15:30	2087	Active Noise Control by a Beam-Steerable Parametric Speaker with a Human Tracking System Equipped with a Motion Sensor Hideo Furuhashi; Yuki Matsui; Madoka Oi
15:30	1650	Acoustics of Micro-perforated Panel Silencer with Partitions in the Back-Cavity Congshuang Jiang; Danqun Fang
15:30	1581	Prediction and Measurement of Acoustic Transmission Loss of Acoustic Window with Composite Sandwich Structure Changmin Lee; Gwuansoo Jeon; Baegyun Jung; Youngmin Lee
15:30	1718	Noise Reduction Strategies of Large-Scale Thermal Power Plant Based on Noise Source Contribution Analysis XiWei Wang; Xiang Yan
15:30	2256	Shunt Truck Noise Impact Evaluation and Control Methods Mike Masschaele; Gordon Reusing; Mathew Brenner
15:30	2203	Study on Characteristics of Headliner SR Noise According to Its Material and Temperature Condition for Vehicle Jaewon Lee; Seung Lee
15:30	2297	Effect of Vacuum Percentage on Sound Insulation of Composite Board Zong Cai Liu; Zhaojin Sun; Jianqiang Guo; Shaoqing Liu

Poster Sessions

Wednesday, August 29, 2018

Advances in Measurement Methods and Signal Processing

Wednesday, 09:00 – 10:30, 7th Floor, Exhibit Area

09:00	1351	The Determination of Sound Power with ISO3744 Method in Quasi-Anechoic Environments: Problems in the Characterization of the Measurement Environment with the Comparison Method Franco Bertellino; Vincenzo Vellucci
09:00	2296	Survey Location Optimization of Structural Vibration Based on Select Mode Chunhui Yuan
09:00	1332	Spherical Sound Sources Localization using SONAH Hung Jr Chen; Adam Koutný; Ondřej Jiříček
09:00	1421	A Study for Localization of Infrasound Tetsuya Doi; Keiichiro Iwanaga; Tomohiro Kobayashi; Yasutaka Nakajima
09:00	1497	Array Spatial Feature Based Near-Field Noise Suppression Technique Shuai Yao; Jian Liu
09:00	1500	Velocity Estimation Based on the Broadband Acoustic Signal Ning Han; Shuxia Huang
09:00	1766	Method of Spatially Correlated Wideband Ambient Noise Simulation for Underwater Acoustic Array Liangxin Chen; Shiliang Fang; Liang An
09:00	1794	A DEMON Line Spectrum Detection Method Based on Parameter Pre-Estimation Xinwei Luo; Shiliang Fang
09:00	2026	The Procedure Monitoring for the Machining Centers by Noise and Vibration Mingmei Han; Xun Wang; Xiaobin Cheng; Jun Yang
09:00	2051	Noise Reduction using Neural Network Trained with Amplitude Spectra Mitsunori Mlzumachi; Reiya Otani
09:00	2193	Image Denoising via Trained Dictionaries for the Time-frequency Image of Underwater Acoustical Plus Signals Jian Liu; Shiliang Fang; Shuai Yao; Yangjie Wei
09:00	2207	Evaluation of Structural Health Monitoring Results utilizing Environmental Noise Yoshinori Takahashi

Advances in Sound Quality, Product Noise, and Health

Wednesday, 10:30 – 12:00, 7th Floor, Exhibit Area

10:30	1413	Noise Mapping of Quiet Areas Andreas Novak
10:30	2216	Initial Verification of Dynamic Acoustic Mapping Along the Motorway Surrounding the City of Rome Roberto Benocci; Fabio Angelini; Alessandro Flavio Aggio; Alessandro Bisceglie; Rosa Ma Alsina-Pagès; Joan Claudi Socoró; Francesc Alías; Ferran Orgab; Patrizia Bellucci; Laura Peruzzi; Giovanni Zambon
10:30	1678	Basic Research for Preparing Noise Guidelines of Wind Farms in South Korea Young Min Park; Kyoung Min Kim; Kwang Kyu Kang
10:30	1502	Effect of Sound Design by Passive Noise Control on Auditory Impression Kenta Murai; Shunsuke Ishimitu; Ryosuke Ishii
10:30	1504	Analysis of Auditory Impression of Getting into a Car Natsuki Yamagiwa; Shunsuke Ishimitsu; Yuki Date
10:30	1928	Assessing LED Bulb Noise David Nelson; Jeff Schmitt
10:30	1396	On the Estimation of Psychological Stress Caused by Road Noise in a Vehicle Cabin Osamu Terashima; Fumiya Kinoshita; Hideaki Touyama; Masahiro Sawada
10:30	1730	Difference in Annoyance of Environmental Noise between Indoor and Outdoor Hearing Situation in Residential Space Hansol Song; Jongkwan Ryu; Jaeseung Hwang
10:30	1693	Research on the Scheme of Urban Automatic Noise Monitoring Wei Wan; Ming Cai; Lve Chen; Bofan Yao
10:30	2089	The Risk of Temporary Hearing Threshold Shift in Bartenders Adam Dudarewicz; Kamil Zaborowski; Anna Wolniakowska; Malgorzata Pawlaczyk-Luszczynska; Mariola Sliwinska-Kowalska