

Monday, 22 October, afternoon session 1

Room	Room N8	Room N9	Room N6	Room N7	Room N5	Room N10	Room N11
Time	1.1 Noise Modeling and Mitigation	3.1 Active Control	6.7 Automotive Noise	8.3b Methods to Verify Community Noise Limits have been Met - Measurements and Modeling	9.1b Information Technology Noise	11.5b Noise Control for Hospitals	12.1a Engineering Noise Controls in the Mining Industry: Regulatory Incentives and Noise Control Solutions to Reduce Mine Worker Noise Exposures
1:20 - 1:40	Drum silencer optimized for NC-weighted insertion loss Choy	Eigenvalue equalization applied to the active minimization of engine noise in a mock cabin Thomas	Road, chassis, powertrain and wind contributions to in-vehicle vibration and noise Sorenson	Verifying community noise limits have been satisfied using extrapolation of measured data Greene	Constant sound power fan curves for small blowers Baugh	Noise reduction in hospitals: A case study West	Technologically achievable engineering and administrative noise controls for the mining industry Seiler
1:40 - 2:00	Prediction of underwater noise from large cylindrical piles being driven by impact hammers Hastings	Active structural acoustic control for a truck oil pan: Actuator placement and efficiency estimation Heintze	Roughness tactile vibration and drone noise caused by driveline Woo	Demonstrating that community noise limits have been met using modeling Hale	Cooling requirements, chassis design and fan noise Nelson	Burn acute care unit acoustical design for enhanced patient comfort Pelton	Cooperative noise control demonstration for a slot drill in the dimension stone industry Argirakis
2:00 - 2:20	Investigation of Strouhal number effect on acoustic fields Marzouk	Optimization of control source locations in a free-field active noise control application using a genetic algorithm Duke	Improved gear whine model with focus on friction-induced structural-borne noise He	Symphony towers noise compliance analysis; City of Fort Lauderdale, Florida Kinney Jr	Comparison of on-plenum to in-system blower noise Baugh	48-hour patient room noise level survey at regional medical center Sevener	Results of noise measurements from underground testing of a roof bolting machine duty cycle. Peterson
2:20 - 2:40	Sonic contamination in Santo Domingo Solano	Optimal near-field error sensor locations for active control of fan noise using multipole expansions Shafer	Case study of industrial vehicle noise control by discrete source identification and analysis Hamilton	Panel Discussion	Finding root causes and solution to the PC cooling fan noise problems Lin	A Comprehensive Approach to Noise Reduction in an Existing Healthcare Facility. Van Wyk	Determining underground roof bolting machine operators noise exposure using laboratory results Matetic
2:40 - 3:00		Active steering control system of a rail vehicle based on the analysis of the sound radiation Spiryagin		Panel Discussion (continued)	The acoustic amplification of system enclosures using elementary noise sources Beltman		Application of a microphone phased array to identify noise sources on a roof bolting machine Yantek