

Monday, 22 October, afternoon session 2

Room	Room N8	Room N9	Room N6	Room N7	Room N5	Room N10	Room N11
Time	4.1 Sound Quality		6.10 Space system aero and vibro-acoustics	8.4 Ground-borne Noise and Vibration Modeling	9.1c Information Technology Noise		12.1b Engineering Noise Controls in the Mining Industry: Regulatory Incentives and Noise Control Solutions to Reduce Mine Worker Noise Exposures
3:20 - 3:40	Speech intelligibility improvements of a small performing arts theater using absorptive panels Van Karsen		Carbon nanotube damping for composite aerospace structures: A new paradigm Suhr	2-D FEA modeling to assess railroad track support modification for reducing wayside ground vibration Phillips	Fan optimization for mobile system installed conditions Baugh		Calibration procedure for phased array measurement in the Virginia Tech anechoic wind tunnel Remillieux
3:40 - 4:00	Measurement and sound quality issues concerning low-frequency noise Bray		Effect of convection velocity of launch vehicle vibration response Bleiloch	Source location using an array of ground vibration sensors Zapfe	Active control of periodic fan noise in laptops. Orduna Bustamante		Low-cost operator installed engineering noise controls on surface coal augers Bowers
4:00 - 4:20	An examination of the influence of roughness on ratings of aircraft noise More		Wave based analysis of distributed vibration absorbers: Experimental validation Johnson	The effect of buildings on ground vibration propagation Xiong	Investigation and study on the measurements of sound power level for business machines using different multi-channel microphone systems Takanashi		A dual sprocket chain as a noise control for a continuous mining machine Kovalchik
4:20 - 4:40	ANIMATED Auditory Demonstrations II: a NASA educational resource for demonstrating acoustical parameters by coupling auditory experiences with sequences of visual cues Cooper		Problems in predicting noise levels on launch vehicles at liftoff Wilby	Effects of different procedures for characterizing rail transit generated ground vibration Saurenman	Server system acoustic optimization through fan speed control modeling and sensitivity study Man		Composite saw blade technology Homer
4:40 - 5:00			Estimation of upper bounds to stresses induced by sound Ungar	Measured and predicted vibration responses of layer soil Nelson	Influence of laptop fan noise on speech intelligibility in small meeting rooms and classrooms Orduna Bustamante		