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Webinar Series

Wednesday, September 15, 2021 | 11 a.m. EST
Join the Discussion – Acoustical Materials: Solving the Challenge of Vehicle Noise with Dr. Pranab Saha, Kolano & Saha Engineers, Inc.

New to the Movement? Learn More

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Aerospace Standards & Aerospace Material Specifications

- AS8047 - Performance Standard for Cabin Crew Portable Protective Breathing Equipment for Use During Aircraft Emergencies
- AIR6829 - Oxygen Considerations for High Elevation Airport Operations (HEAO)
- ARP6461A - Guidelines for Implementation of Structural Health Monitoring on Fixed Wing Aircraft
- ARP6984 - Determination of Cost Benefits from Implementing a Blockchain Solution
- JA100_202108 - Reliability Program Standard

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Ground Vehicle Standards

- ISO/SAE21434 - Road Vehicles - Cybersecurity Engineering
- J2464_202108 - Electric and Hybrid Electric Vehicle Rechargeable Energy Storage System (RESS) Safety and Abuse Testing
- J1715/2_202108 - Battery Terminology
- J1757/1_202108 - Standard Metrology for Vehicular Displays
- J917_202108 - Marine Push-Pull Control Cables

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Technical Papers

- 2021-01-0117 – An Experimental Study of the Effects of a Nonlinear Store on the Steady-State Dynamics of a Test Airplane
- 2021-01-6001 – Enhancement of 6M Methodology as a Design for Assembly Tool for Developing Effective Aerostructures Assembly Process Designs
- 2021-01-1053 – Monitoring Brake Wear with Acoustics
- 2021-01-1048 – Combined CFD and CAA Simulations with Impedance Boundary Conditions
- 2021-01-1043 – Development of a Numerical Methodology for the Assessment of Flow Noise in Complex Engine Exhaust Systems

Journal Articles

NEW 2021 Top Downloaded Journal Articles

- Crashworthiness Performance of Multi-Cornered Structures under Quasi-Static Compression and Dynamic Axial Loading Conditions
- Enabling Dissimilar Joining of Coated Steels to Aluminum through Impact Spot Welding
- The Effect of Equal-Channel Angular Pressing Processing on Microstructural Evolution, Hardness Homogeneity, and Mechanical Properties of Pure Aluminum
- Assessment of Acclimation of 5th Percentile Female and 50th Percentile Male Volunteer Kinematics in Low-Speed Frontal and Frontal-Oblique Sled Tests
- Water Body Survey, Inspection, and Monitoring Using Amphibious Hybrid Unmanned Aerial Vehicle
Journal Articles

- **09-09-02-0007 - Machine Learning-Aided Management of Motorway Facilities Using Single-Vehicle Accident Data**
- **12-04-03-0024 - Application of Neural Networks to External Parameter Estimation for Nonlinear Vehicle Models**
- **04-14-03-0010 - Analysis of the Interaction between Soft Particles and Fuel Filter Media – Open Access!**
- **12-04-03-0019 - Clustering-Based Trajectory Prediction of Vehicles Interacting with Vulnerable Road Users**
- **12-04-03-0021 - Research on Vehicle Trajectory Prediction Method for Intersections without Signal Lights**

Acoustic Fundamentals for Solving Noise and Vibration Problems | PD331309ON

This course will introduce the characteristics of sound waves, human perception of sound, sound and vibration measurements, measurement facilities, and various noise sources and noise control principles.

Instructor: **Dr. Pranab Saha**, co-founder, and Principal Consultant of Kolano and Saha Engineers, Inc. *Featured Move with SAE Mobilus September 15, 2021 guest speaker!"*
**Acoustical Materials: Solving the Challenge of Vehicle Noise**

by Dr. Pranab Saha

- What is acoustics?
- What is noise?
- How is sound measured?
- How can the vehicle noise be reduced using sound package treatments?

Pranab Saha answers these questions and more in this new SAE book title, *also featured in this month’s Move with SAE Mobilus webinar.*
Enjoy access to discounted technical resources, career advancement tools, networking opportunities and more as an SAE Member and Volunteer (Not a member? Join now at sae.org/join). Here are the latest happenings and benefits:

- **Chat with the Experts, Women Leading the Commercial Vehicle Industry**: September 30-October 1, join Joan Wills, Executive Director – Cummins Electronics; Cummins Inc. in Member Connection.

Learn more about how SAE is responding to the coronavirus (COVID-19) pandemic.

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