



Newly-added

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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.

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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](#)

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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](#)

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EDGE Research Reports

- [Unsettled Issues Concerning eVTOL for Rapid-response, On-demand Firefighting](#)
- [Unsettled Technology Areas in Deterministic Assembly Approaches for Industry 4.0](#)

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Professional Development

Acoustic Fundamentals for Solving Noise and Vibration Problems | PD331309ON

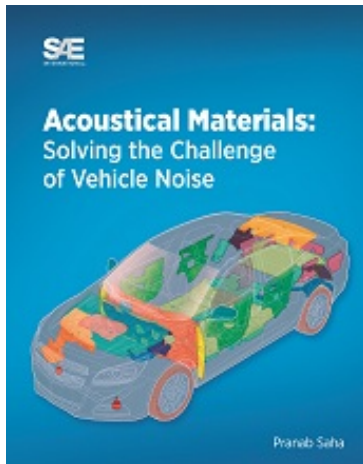
This course will introduce the characteristics of sound waves, human perception of sound, sound and vibration measurements, measurement facilities, and various noise sources and noise control principles.

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!*

[Lean More](#)



Book Spotlight



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.*

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Events

- [Noise and Vibration Conference & Exhibition](#)
September 7-10,2021 | Grand Rapids, MI or Online
- [COMVEC™](#)
2021 Theme: Energy, Sustainability, and the Future of Commercial Vehicle Transportation
September 14-16, 2021 | Rosemont, IL or Online

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Membership

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- [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.

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

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