



Newly-added

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The following is a summary of all publications added to the SAE Mobilus technical resource platform in June 2023. Click below and the SAE Mobilus search results for the content type selected will populate.

SAE Solutions

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Webinar Series

July 19 2023 | 11 a.m. EST

Meet the Expert: Pranab Saha Principal Engineer at Kolano and Saha Engineers, Inc

Log in for a **LIVE** interview to learn more about his insights across his publications relating to understanding the importance of acoustical standards and NVH.

New to the Movement? [Learn More](#)

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Save My Seat

Ongoing Learning Opportunities

[SAE Mobilus Spotlight](#)

September 26, 2023 | 9 a.m. EST

Discover what's new in under 30 minutes.

Discover the latest titles in Advanced Manufacturing.

Join us for a highlight of the best practices in searching the standards, the latest research, and what organizations are publishing in the field.

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Aerospace Standards & Aerospace Material Specifications

Aerospace Standards and Aerospace Materials Specifications [39]

- [Recommended Brace Positions](#)
- [Guide for the Design of Threaded Screw or Stud Type Electrical Equipment Terminations](#)
- [Passenger Safety Information System](#)
- [Steel, Corrosion-Resistant, Sheet and Strip 18Cr - 9.0Ni \(SAE 30302\) Cold Rolled, Full Hard, 185 ksi \(1276 MPa\) Tensile Strength](#)
- [Quality Assurance Sampling and Testing Corrosion- and Heat-Resistant Steel and Alloy Forgings](#)
- [Chloroprene \(CR\) Rubber Weather Resistant 75 - 85](#)

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Ground Vehicle Standards

Ground Vehicle Standards [15]

- [Serial Control and Communications Heavy-Duty Vehicle Network - Top-Level Document](#)
- [Potential Standard Steels](#)

- [OBD Communications Compliance Test Cases for Heavy-Duty Components and Vehicles](#)

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Technical Papers

Technical Papers [127]

- [Rationale and Process for Developing an SAE Damping Test Method](#)
- [Numerical Simulation of the Effect of a Centripetal Wing Spoiler on the Flow Aerodynamics of a Sports Car](#)
- [Assessing Mixed-Phase Conditions during the ICE GENESIS Snow Measurement Campaign](#)

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[SAE MobilityRxiv®](#)

This **free online archive and sharing service** provides English-language preprints in the mobility/transportation field, including ground vehicles, commercial vehicles, and aerospace and aviation.

- [PROCESS GUIDELINES FOR THE DESIGN AND DEVELOPMENT OF AN EFFECTIVE AND EFFICIENT AEROSPACE SHELF LIFE MATERIAL MANAGEMENT SYSTEM](#)

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Journal Articles

Journal Articles [20]

- [Driving Behavior Modelling Framework for Intelligent Powertrain Health Management](#)
- [SAE International Journal of Engines](#)
- [A New Hybrid Particle Swarm Optimization and Jaya Algorithm for Optimal Weight Design of a Gear Train](#)
- [SAE International Journal of Materials and Manufacturing](#)
- [Enabling Cross-Domain Modeling of Complex Autonomous Vehicles in System-of-Systems Architectures: A Model-Based System Specification for the Development of Complex Automotive Architectures](#)
- [SAE International Journal of Connected and Automated Vehicles](#)

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EDGE Research Reports

EDGE Research Reports [2]

- [Automated Vehicles and Infrastructure Enablers: Connectivity](#)
- [Decarbonized Fuel Options for Civil Aviation](#)

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Professional Development

[Design Of Experiments \(DOE\) For Engineers C0406](#)

This seminar will introduce participants the Design of Experiments methodology. Specific applications of DOE include identifying proper design dimensions and tolerances, achieving robust designs, generating predictive math models that describe physical system behavior, and determining ideal manufacturing setting.

[Lean More](#)

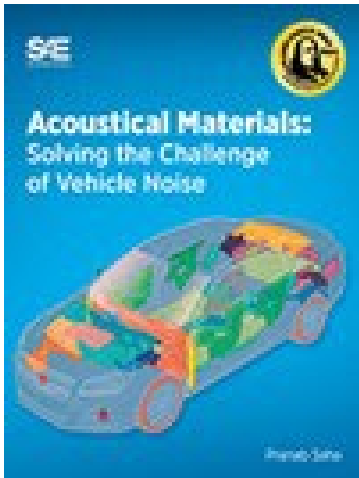
[Hybrid and Electric Vehicle Engineering Academy ACAD06](#)

The Hybrid and Electric Vehicle Engineering Academy covers hybrid and electric vehicle engineering concepts, theory, and applications relevant to HEV, PHEV, EREV, and BEV for the passenger car industry.

[Lean More](#)



Book Spotlight



[Acoustical Materials: Solving the Challenge of Vehicle Noise](#)

by Pranab Saha

In *Acoustical Materials*, readers will grasp the science of reducing sound and vibration using sound absorbers, sound barriers, and vibration dampers.

[Read It!](#)



Events

[SAE On-Board Diagnostics Symposium](#)

September 12-14, 2023 | Indianapolis, IN

This symposium will bring industry leaders together to discuss relevant and timely technical topics that directly influence ground vehicle emission reduction efforts.

[Learn More](#)

[SAE COMVEC](#)

September 19-21, 2023 | Schaumburg, IL

At Comvec you will discuss trends, share successes, discover the latest research and technology, and tackle the challenges of a safe low-carbon vehicle future.

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- [SAE Mentor Program](#) – Become an SAE Mentor and share your experience and industry knowledge with the next generation of SAE Members.

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