



## Newly-added

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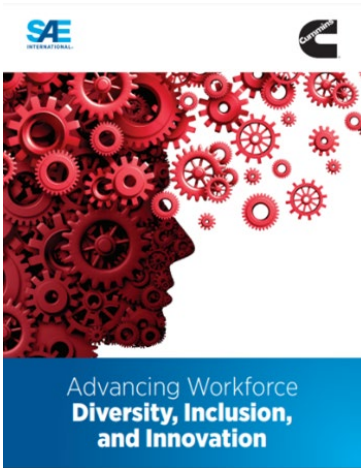
The following is a summary of all publications added to the SAE Mobilus technical resource platform in November 2021. Click below and the SAE Mobilus search results for the content type selected will populate. If there is a title outside of your subscription, please contact your SAE Mobilus Administrator.

### SAE Solutions

- [SAE Aerospace Standards](#) (46)
- [SAE Aerospace Material Specifications](#) (13)
- [SAE Ground Vehicle Standards](#) (17)
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- [SAE Books](#)
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### Additional SAE Solutions

- [Move with SAE Mobilus Webinar Series](#)
- [SAE Professional Development](#)
- [SAE Events](#)
- [SAE Membership & Community Engagement](#)




**NEW** – [Advancing Workforce Diversity, Inclusion, and Innovation](#)

Diversity, Inclusion, and Innovation: How SAE International's Tools Are Aiding in Cummins Inc. Success

“You need to have the most diverse talent in order to make the best product,” Tara Travis, Director of Technical and Environmental Integration at Cummins.

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## Webinar Series


**Wednesday, December 15, 2021 | 11 a.m. EST**

**Meet an Expert: Autonomous Vehicles**, a 2021 Industry Review featuring Dr. Sven Beiker, Founder and Managing Director, Silicon Valley Mobility, LLC.

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

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## Aerospace Standards & Aerospace Material Specifications

- [AMS7037 - Steel, Corrosion and Heat-Resistant, Powder for Additive Manufacturing, 17Cr - 13Ni - 2.5Mo \(316L\)](#)
- [AS8438 - Terminus, Fiber Optic, Harsh Environment, General Specification](#)
- [AS6211 - Ice Penetration Test Method for AMS1431 and AMS1435 Runway Deicing/Anti-icing Products](#)
- [ARP8058A - Thermal Design and Performance of Airplane In-Flight Food Storage Cars](#)
- [AIR5909A - Prognostic Metrics for Engine Health Management Systems](#)

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## Ground Vehicle Standards

- [J1423 202111 - Classification of Energy Conserving and Resource Conserving Engine Oil for Passenger Cars, Vans, Sport Utility Vehicles, and Light-Duty Trucks](#)
- [J2795 202111 - Power Cylinder Oil Consumption: Problem Solving](#)
- [J1237 202111 - Metric Thread Rolling Screws](#)
- [J1790 202111 - Self-Propelled Sweepers and Scrubbers Steering Requirements Single-Circuit Hydraulic Servo-Assisted Systems](#)
- [J1793 202111 - Self-Propelled Sweepers and Scrubbers Tank and Hopper Capacity Rating](#)

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## Technical Papers

- [Grid Independence Validation and Numerical Simulation of an Opposed-Piston Free-Piston Engine](#)
- [Measurement Methods for Radar Cross Section of Passenger Vehicles](#)
- [Four Common Deficiencies in the Thermodynamics of Internal Combustion Engines](#)
- [Dissecting Robust Resource Partitioning, Robust Time Partitioning, and Robust Partitioning in CAST-32A](#)
- [Electrician Demand for Battery Electric Vehicle Charger Installation](#)

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## Journal Articles

- [A Systematic Mapping Study on Security Countermeasures of In-Vehicle Communication Systems](#)
- [Study on the Optimization of Shifting Strategy for Hybrid Electric Vehicle](#)
- [Protective Wall Settings for a Skid-Mounted Electrolytic Hydrogen Production System](#)
- [History Effect on Particulate Emissions in a Gasoline Direct Injection Engine](#)
- [Pedestrian Detection Method Based on Roadside Light Detection and Ranging](#)

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## EDGE Research Reports

- [Unsettled Issues in Commercial Vehicle Platooning](#)
- [Unsettled Issues Concerning Urban Air Mobility Infrastructure](#)
- [Unsettled Aspects of the Digital Thread in Additive Manufacturing](#)

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### **NEW** 2021 Top Downloaded EDGE Research Reports

- [Unsettled Topics Concerning Sensors for Automated Road Vehicles](#)
- [Unsettled Issues Concerning the Use of Fuel Cells in Electric Ground Vehicles](#)
- [Unsettled Issues Concerning the Economics of Fuel Cells and Electric Ground Vehicles](#)
- [Unsettled Technology Areas in Autonomous Vehicle Test and Validation](#)
- [Unsettled Topics Concerning Automated Driving Systems and the Transportation Ecosystem](#)



## Professional Development

### [Autonomous Vehicles for Transportation Professionals](#) | PD732004

This course provides a firm high-level framing of the technology mega-trends driving this technological change, the ways AV technologies intersect with the current transportation system, and the potential for disruptive change. [Learn More!](#)

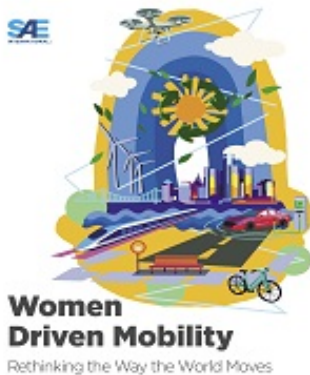
Our live web seminars connect you to training from SAE's trusted subject matter experts, so you can continue to build your professional knowledge without missing a step. Ask questions, network with your peers, and keep your goals on track from the convenience of your home office.

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## Book Spotlight



### Women Driven Mobility

Rethinking the Way the World Moves

Katelyn Shelby Davis | Kristin Shaw

#### [Women Driven Mobility: Rethinking the Way the World Moves](#)

From authors Katelyn Davis and Kristin Shaw, this book presents over 40 case studies of women leading the way in mobility and automotive innovation. Through interviews with leaders across the entire spectrum of industry, readers see the impact of diverse perspectives on actual projects all over the world.

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## Events

#### [Government & Industry Collaborate to Advance Mobility](#)

This highly regarded annual conference provides government, regulatory and policy makers, and the automotive industry a necessary, neutral forum to discuss the effects of government regulations, new and forthcoming technologies, and consumer expectations on vehicle design.

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Here are the latest happenings and benefits:

- [Resume and Career Chat volunteers needed](#), December 8-9 – Submit your resume for feedback, receive advice on your career path, and more.

- [Mentor Mixer: Fear of Public Speaking volunteers needed](#), January 25-26 – Apply today to help lead the discussion on public speaking and presentations.

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

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