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

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## Webinar Series

**September 20 2023 | 11 a.m. EST**

### **Meet the Expert: David Rockwell, member of the legendary Ramchargers**

Log in for a LIVE interview to learn about the more than 40 interviews he completed for the *We Were the Ramchargers*, the first and only book to provide inside details on all elements of the Ramchargers story. The Ramchargers are the only team of engineers from an automobile manufacturer to drag race successfully earning the most National Hot Rod Association (NHRA) Super Stock titles during the sport's golden era of factory competition.

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

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## 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 Autonomous Applications in Commercial Vehicles.**

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 [56]

- [Standard for Developing a Lead-Free Control Plan to Manage the Risks of Lead-Free Solders and Finishes in Aerospace, Defense, and High-Performance Soldered Electronic Products](#)
- [Counterfeit Electrical, Electronic, and Electromechanical \(EEE\) Parts: Tools for Risk Assessment of Other than an Authorized Source \(e.g., Independent Distributors\)](#)
- [Vacuum Bagging of Thermosetting Composite and Metalbond Repairs](#)
- [Sealing Compound, Polysulfide Rubber Performed Strips for Sealing Removable Doors, Skins, and Panels](#)
- [Logistics Product Data Summaries Handbook](#)
- [Medium Temperature, Out-of-Autoclave, Oven-Vacuum-Bag Cure Epoxy Resin Impregnated Fiber Reinforced Composite Materials](#)

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## Ground Vehicle Standards

### Ground Vehicle Standards [11]

- [High-Precision Positioning for V2X Systems](#)
- [Performance Characterization of Electrified Powertrain Motor-Drive Subsystem](#)
- [Measurement of Noise Emitted by Accelerating Highway Vehicles](#)

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## Technical Papers

### Technical Papers [172]

- [On-board monitoring of emissions in the future Euro 7 standard](#)
- [Second-life of electric vehicle batteries from a circular economy perspective: A review and future directions](#)
- [Efficiency-biased Design of an H2-fueled Internal Combustion Engine for Heavy and Challenging Applications](#)

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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.

- [Adaptive Headlamp and Side Mirror Using Linear Regression Based on Raspberry Pi3](#)

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## Journal Articles

### Journal Articles [14]

- [Electrically Interconnected Suspension and Related Technologies: A Comprehensive Review - SAE International Journal of Vehicle Dynamics, Stability, and NVH](#)
- [Optimizing Hydrogen Fueling Infrastructure Plans on Freight Corridors for Heavy-Duty Fuel Cell Electric Vehicles - SAE International Journal of Sustainable Transportation, Energy, Environment, & Policy](#)
- [Nonlinear Observer for Estimating Gravity Vector and Flight Path Angles of a High-Performance Aircraft - SAE International Journal of Aerospace](#)
- [A Quantitative Analysis of Autonomous Vehicle Cybersecurity as a Component of Trust - SAE International Journal of Connected and Automated Vehicles](#)

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## EDGE Research Reports

### EDGE Research Reports [3]

- [Recyclability and Embodied Energy of Advanced Polymer Matrix Composites](#)
- [Multi-agent Collaborative Perception for Autonomous Driving: Unsettled Aspects](#)
- [Introduction of Continuous Fiber-reinforced Polymer: A New Additive Manufacturing Path for Aerospace](#)

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## Professional Development

### [Accident Reconstruction, the Autonomous Vehicle and ADAS C1869](#)

In this course we'll look at how to determine if the ADAS systems were installed, if they were enabled, and if they functioned as designed. The presentation will be interspersed with many videos and photos, allowing attendees to experience for themselves the implications of this exciting new field.

[Lean More](#)

### [Introduction to Hybrid and Electric Vehicle Battery Systems C0626](#)

Battery topics including limitations, trends in hybrid development, customer wants and needs, battery system development timelines, comparison of electrochemistries and safety will be examined. Students will have an opportunity to perform a battery pack analysis exercise using a real world application and are requested to bring a calculator to class.

[Lean More](#)



## Book Spotlight



### [We Were The Ramchargers: Inside Drag Racing's Legendary Team, Second Edition](#)

by David Rockwell

With over 200 new images, the new edition of *We Were the Ramchargers* is perfect for drag racing enthusiasts. This book takes readers behind the scenes with the group of Chrysler engineers who, from the 1950s through the 1970s, became one of the most successful and influential drag racing teams of all time.

[Read It!](#)



## Events

## [SAE Thermal Management Systems Symposium](#)

October 3-4, 2023 | Plymouth, MI

At this symposium you will engage with engineers to discuss industry trends, the latest thermal management and climate control strategies, developments, and systems integration, and still to-be-developed technology impacting thermal systems management.

[Learn More](#)

## [SAE Small Powertrain and Energy Systems Technology Conference \(SETC\)](#)

October 31- November 2, 2023 | Minneapolis, MN

This is your chance to connect with lead scientists and engineers in the field for critical discussions and relevant presentations on new technologies and how they are being applied.

[Learn More](#)



### **SAE Membership and Community Engagement Information**

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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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