



## Newly-added

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The following is a summary of all publications added to the SAE Mobilus technical resource platform in August 2022. Click below and the SAE Mobilus search results for the content type selected will populate.

### SAE Solutions

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## Webinar Series

September 21st, 2022 | 11 a.m. EDT

**Meet the Author:** Dr. Sven Beiker, Founder and Managing Director Silicon Valley Mobility, LLC

Log in for a LIVE interview to learn more about:

- Insights Into Dr. Beiker's 50 Years of Mobility Innovation
- The Evolution of Mobility and Technology
- Future Trends for the Automotive and Mobility Industries

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

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## Ongoing Learning Opportunities

### SAE Mobilus Spotlight

Join us for a customized SAE Mobilus training session hosted by SAE Onboarding & Implementation Specialist, Wendy Ogletree-Robinson on **September 27, 2022 at 900am & 1100am EDT.**

#### LEARN:

- How to Access the SAE Mobilus Dashboard
- How to Annotate Publications
- How to Access Revisions/Historical Standards

[Save My Seat](#)



## Aerospace Standards & Aerospace Material Specifications

Aerospace Standards and Aerospace Materials Specifications [116]

- [Insert Arrangements for AS81659 Series 1 and 2 Electrical Connectors](#)
- [Connector Accessories, Electrical, RFI/EMI, Strain Relief, 90 Degree, Self-Locking, Category 3C \(For MIL-DTL-38999 Series III And IV Connectors\)](#)
- [Aircraft Evacuation Signal System](#)
- [Titanium Alloy Extrusions and Flash Welded Rings 6Al - 4V Annealed Beta Processed](#)
- [Aluminum Alloy, Alclad Sheet 4.4Cu - 1.5Mg - 0.60Mn \(2024-T4 Flat Sheet\) Solution Heat Treated, High Formability](#)
- [Titanium Alloy Bars, Forgings and Forging Stock, 6.0Al - 4.0V, Solution Heat Treated and Aged](#)

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## Ground Vehicle Standards

Ground Vehicle Standards [24]

- [Application Layer - Diagnostics](#)
- [J1939 Digital Annex](#)
- [Wireless Power Transfer for Light-Duty Plug-in/Electric Vehicles and Alignment Methodology](#)

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## Technical Papers

SAE Spotlight Read

### SAE & Nissan, Advancing Equitable Access to STEM

For more than 20 years, Nissan has worked together with the SAE Foundation<sup>SM</sup> to reach the youngest learners, igniting their potential, setting them on a path of lifelong learning and discovery.

[Read More About It!](#)

Technical Papers [125]

- [Optimal Control of a Fuel Cell Electric Vehicle \(FCEV\) Powertrain](#)
- [Light Weighting of Accessory Support Bracket from Cast Iron to Aluminium Through Topology Optimization](#)

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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.

- [Using Machine Learning to Predict Charge Depletion Patterns in Electric Vehicles](#)

[Learn More](#)



## Journal Articles

Journal Articles [43]

- [Prognostics and Machine Learning to Assess Embedded Delamination Tolerance in Composites](#)
- [Road Preview Control for Active Suspension System](#)

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## EDGE Research Reports

EDGE Research Reports [4]

- [Energy Options on the Path Toward a More Sustainable Transportation Sector](#)

### 2022 Top Downloaded Edge Research Reports

- [Unsettled Issues on HD Mapping Technology for Autonomous Driving and ADAS](#)
- [Unsettled Issues in Vehicle Autonomy, Artificial Intelligence, and Human-Machine Interaction](#)
- [Automated Vehicles and Infrastructure Enablers](#)
- [Unsettled Issues in Drive-by-Wire and Automated Driving System Availability](#)
- [Unsettled Issues Concerning Urban Air Mobility Infrastructure](#)

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## Professional Development

### [Automotive Cybersecurity Certification: Level Two C2107](#)

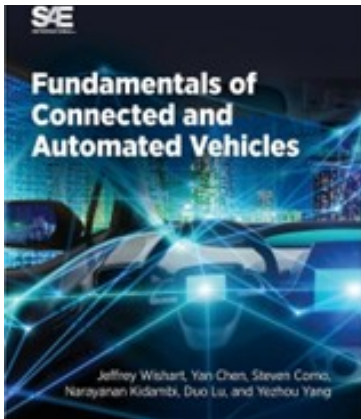
This two-day virtual instructor led course is intended to provide those involved in the automotive industry with advanced knowledge to be able to implement the new cybersecurity requirements according to the ISO/SAE 21434 security standard.

\* C2105 is a prerequisite for this course. There is currently no test-out option.

[Learn More](#)



## Book Spotlight



In this book, the authors discuss Connected and Automated Vehicles (CAVs) and the underlying technologies needed to mature and converge for them to widely be deployed.

[Read It!](#)



## Events

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

Plymouth, MI | October 4-5, 2022

Join us as our 2022 Thermal Management Systems Symposium (TMSS) returns as an in-person event in Plymouth, MI. TMSS will address real-world thermal management strategies for hybrid, autonomous and commercial vehicles. TMSS will also explore vehicle climate control challenges and solutions on a global scale.

### [Urban Ground Mobility Digital Summit](#)

October 4 - 5, 2022 | Online

As fuel and automotive costs rise, how will the growth of micro-mobility and the urban ground mobility industry be impacted? This **FREE** two-day online event brings together executives, engineers and other high-level technical staff, urban planners, consumer advocates and government officials to learn about the latest challenges, regulations, technology and news from leading mobility organizations and governmental staff.

[Learn More](#)



## Membership

Enjoy access to discounted technical resources, career advancement tools, networking opportunities and more as an SAE Member and Volunteer. (Not a member? [Join Us!](#))

Here are the latest happenings and benefits:

- [Mentor Chat: The Importance of Mentoring](#), September 26 & 27 with Srinivasa (Sri) Srinath, 2022 SAE President and Board Chair, in [Connexion+](#)
- [SAE Mentor Program](#) facilitates one-to-one mentoring relationships that connect mentees with leading engineers in the mobility industry to learn and develop.

[Learn More](#)

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