



## Newly-added

You are receiving this email because you have access to an **SAE Mobilus subscription through your organization** or have signed-up for this monthly newsletter.

At SAE International, we take your privacy rights very seriously. Learn more about SAE International's [Privacy Policy](#). If you feel you received this communication in error, or you wish to unsubscribe, [click here](#) and select "Update Preferences" to update your email preferences within your MySAE account.

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

### SAE Solutions

- [Aerospace Standards](#) (51)
- [Aerospace Material Specifications](#) (15)
- [Ground Vehicle Standards](#) (16)
- [Technical Papers](#) (858)
- [Journal Articles](#) (32)
- [EDGE Research Reports](#) (4)
- [Book](#)
- [Magazine Articles](#) (93)

### Additional SAE Solutions

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

Please note, your ability to access the publications listed is dependent on your subscription to SAE Mobilus. If a publication is outside of your subscription, please contact your organization's

SAE Mobilus administrator. To sign-up and receive all future monthly Newsletters, register [HERE](#).



## Webinar Series

**April 20, 2022 | 11 a.m. EDT**

**Meet an Expert: SAE Office of Sustainable Energy**, featuring Frank Menchaca, SAE Chief Growth Officer, and Michael Paras, Strategic Business Development.

SAE has opened an Office of Sustainable Energy with the goal of assisting the mobility industry to getting to a **zero-impact vehicle**. This **LIVE interview** will address the critical issues of manufacturing, material sourcing, end of life, infrastructure, and the idea of developing a set of standards on “levels of vehicle sustainability”.

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

[View the Past Guest Speaker Collection](#)

[Save My Seat](#)



## Aerospace Standards & Aerospace Material Specifications

- [Batch Processing Requirements for the Reuse of Used Powder in Additive Manufacturing of Aerospace Parts - AMS7031](#)
- [Effects of Extremely Cold Temperature on Landing Gear Operation – AIR6411](#)
- [Recommended Design and Test Requirements for Hydraulic Flow Regulators - ARP7212](#)
- [Unmanned Systems \(UxS\) Control Segment \(UCS\) Architecture: UCS Architecture Model - AS6518B](#)
- [Recommended Practice: Development Planning for Design of Additive Manufactured Components in an Aircraft System – ARP7042](#)
- [Methods for Determining the Effect of Liquid Disinfectants on Seats in Transport Aircraft - ARP8463](#)

[View All](#)



## Ground Vehicle Standards

- [Definitions for Terms Related to Automated Driving Systems Reference Architecture – J3131 202203](#)
- [On-Board System Requirements for LTE-V2X V2V Safety Communications - J3161/1 202203](#)
- [Class "A" Vehicle Glazing Shade Bands - J100 202203](#)
- [Classification and Nomenclature Towing Winch for Skidders and Crawler Tractors - J1014 202203](#)

[View All](#)



## Technical Papers

- [Analyzing the Impact of Electric Vehicles on Power Losses and Voltage Profile in Power Distribution Systems](#)
- [Electric Vehicles vs e-Fuelled ICE Vehicles: Comparison of potentials for Life Cycle CO<sub>2</sub> Emission Reduction](#)
- [An Input Linearized Powertrain Model for the Optimal Control of Hybrid Electric Vehicles](#)

[View All](#)

**NOW Available:** Explore the 2022 [WCX™ World Congress Experience Technical Papers](#)

---

### [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.

- Featured Title: [CAE Modeling and Automation on High Performance Computing](#)

[Learn More](#)



## Journal Articles

- [Supplementing Future Occupant Safety Assessments with Severe Intersection Crashes Selected Using the SAFER Human Body Model](#)
- [Crash Pulse Prediction Using Regression Algorithm with Gradient Descent Optimization Method for Integrated Safety Systems](#)
- [Effects of Seatback Recline and Belt Restraint Type on PMHS Responses and Injuries in Rear-Facing Frontal Impacts](#)

[View All](#)



## EDGE Research Reports

### Emerging Technologies in New Mobility

- [Automated Vehicles and Infrastructure Enablers](#)
- [Human-like Decision-making and Control for Automated Driving](#)
- [Internal Boundaries of Metal Additive Manufacturing: Future Process Selection](#)
- [Electric Road Systems for Dynamic Charging](#)

[View All](#)



## Professional Development

### [Introduction to Hybrid Electric Vehicle Systems](#) | PD291809

This course will provide engineers that need a thorough and detailed introduction to HEV technology the opportunity to learn this technology and the focus on how systems are designed, rationale for the design, power flow, CAN PIDs, and more. Most of the fundamental information can be applied to electric, plug-in, extended range, and fuel cell systems.

[Learn More](#)



## Book Spotlight



Mobility and transportation mean different things to people, even to those who work in various aspects of the ecosystem - from the movement of people or goods to the development of the infrastructure that enables mobility.

**This book seeks to capture the varied perspectives** as a collection of diverse views on the future of mobility, to provide a clearer view on the broad base of possibility and opportunity across this interconnected system.

[Read More](#)



## Events

### Powering the Future of EV

Attend SAE's FREE inaugural event dedicated to electric vehicle charging infrastructure.

The **Electric Vehicle Charging Infrastructure Conference, an SAE Sustainability Event**, seeks to bring together vehicle manufacturers, energy companies, and regional and federal government agencies to move forward considerations and infrastructure needed to improve the mass adoption of electric vehicles.

[Learn More](#)



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:

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

[Learn More](#)

We believe you will benefit from this information, but if you would like to be removed from future SAE email communications, [click here to maintain your preferences](#).

For details on our commitment to privacy, please read our [Privacy Policy](#).

SAE International | 400 Commonwealth Drive | Warrendale, PA 15096 USA | [Contact Us](#)

CONNECT WITH US

