



April 2021 Newsletter

April 2021 Move with SAE Mobilus® Newsletter

The following is a summary of all publications added to the SAE Mobilus technical resource platform in March 2021. Selecting a content type below will display the SAE Mobilus search results for the content type selected.

- [SAE Aerospace Standards \(63\)](#)
- [SAE Aerospace Material Specifications \(15\)](#)
- [SAE Ground Vehicle Standards \(25\)](#)
- [SAE Journal Articles \(46\)](#)
- [SAE Technical Papers \(145\)](#)
- [SAE EDGE Research Reports \(2\)](#)
- [SAE Professional Development](#)
- [SAE Books](#)
- [SAE Magazine Articles \(22\)](#)
- [SAE Membership Information](#)

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

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.

Move with SAE Mobilus Webinar Series

Wednesday April 21st, 2021 | 11 a.m. EST

The Road Forward: More Conversations with Top Women in the Automotive Industry with Carla Bailo, CEO of the Center for Automotive Research, and Terry Barclay, CEO of Inforum.

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SAE Aerospace Standards & Aerospace Material Specifications (78)

- [AIR7929 - Qualification of Percon® 24, a New High-Strength Conductor Alloy to AS29606](#)
- [AS13100- AESQ Quality Management System Requirements for Aero Engine Design and Production Organizations](#)
- [AS6960- Performance Standard for Seat Furnishings in Transport Aircraft](#)
- [AS6518A- Unmanned Systems \(UxS\) Control Segment \(UCS\) Architecture: UCS Architecture Model](#)
- [ARP6823 - Electronic Transactions for Aerospace Systems: An Overview](#)

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SAE Ground Vehicle Standards (25):

- [J1939DA_202103 - J1939 Digital Annex](#)
- [J2847/3_202103- Communication for Plug-in Vehicles as a Distributed Energy Source](#)
- [J3063_202103- Active Safety Systems Terms and Definitions](#)
- [J1668_202103- Diesel Engines - Fuel Injection Pump Testing](#)
- [J1939-22_202103- CAN FD Data Link Layer](#)

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SAE Technical Papers (145):

- [2021-01-0035 – Digital Data Standards in Aircraft Asset Lifecycle – Current Status and Future Needs](#)
- [2021-01-0037 – Generalizing Aspects of System Safety to Broaden Applicability](#)
- [2021-01-0039 – Carbon Neutrality, Reduction and Offset-Aviation Solutions in the 21st Century](#)
- [2021-01-0008 – Improved Energy Management System for Airplane Electrical Power](#)
- [2020-36-0191 – Catalytic Efficiency Optimization in a Heavy-Duty Diesel Engine](#)

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SAE Journal Articles (46):

- [14-10-02-0011 - An Electric Vehicle Onboard Microgrid with Solar Panel for Battery Module Balancing and Vehicle-to-Grid Applications](#)
- [04-14-01-0001 - Engine Particulate Emissions as a Function of Gasoline Deposit Control Additive](#)
- [03-14-04-0030 - Effects of Hybridization on Selective Catalytic Reduction \(SCR\) Thermal Management of a Medium Heavy-Duty Hybrid Work Truck](#)
- [13-02-01-0005 - A Review and Outlook on Energy Consumption Estimation Models for Electric Vehicles](#)
- [14-10-02-0013 - Study on Real-Time Control Based on Dynamic Programming for Plug-In Hybrid Electric Vehicles](#)

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SAE EDGE™ Research Reports (2):

- [Unsettled Issues Regarding the Certification of Electric Aircraft](#)
- [Unsettled Issues on Sensor Calibration for Automotive Aftermarket Advanced Driver-Assistance Systems](#)

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[AS13100 Supplemental Quality Management System Requirements](#)

Move your team closer to compliance with the new AS13100 standard, through expert training from SAE and AESQ.

[Robotics for Autonomous Vehicle Systems Bootcamp](#)

Develop a deep, technical understanding of how to build autonomous systems by learning to program a mobile robot through hands-on approaches.

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SAE Books:

- [Fundamentals of Vehicle Dynamics, 2E](#)
- [The Road Forward: More Conversations with Top Women in the Automotive Industry](#)

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SAE Events:

SAE is committed to bringing together global industry experts and we are here to help the mobility industry stay connected and informed.

Spotlighted SAE Digital Events:

- [WCX™ Digital Summit | April 13-15, 2021](#)

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- [SAE Fellow Grade of Membership](#) – recognize long-term SAE Members for their impact on society's mobility technology through leadership, research, and innovation. Nominations due July 1, 2021.

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