



*May 2021 Newsletter*

## **May 2021 Move with SAE Mobilus® Newsletter**

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

- [SAE Aerospace Standards \(69\)](#)
- [SAE Aerospace Material Specifications \(20\)](#)
- [SAE Ground Vehicle Standards \(24\)](#)
- [SAE Technical Papers \(908\)](#)
- [SAE Journal Articles \(36\)](#)
- [SAE EDGE Research Reports \(2\)](#)
- [SAE Books](#)
- [SAE Magazine Articles \(24\)](#)

### **Additional SAE Solutions:**

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

[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.

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## Move with SAE Mobilus Webinar Series

Wednesday May 19<sup>th</sup>, 2021 | 11 a.m. EST

**SAE AS13100:** Learn more on the NEW Aerospace industry standard for quality with guest speakers [Barbara Negroe and Larry Bennett, GE Aviation](#).

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

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## SAE Aerospace Standards & Aerospace Material Specifications (89)

- [AIR6988- Artificial Intelligence in Aeronautical Systems: Statement of Concerns](#)
- [AIR5556- Landing Gear Alignment](#)
- [AMS-7025- Metal Powder Feedstock Size Classifications](#)
- [ARP6973- Aircraft Noise Level Reduction Measurement of Building Façades](#)
- [AS1426C- Minimum Performance Standards for Galleys in Transport Category Airplanes](#)

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## SAE Ground Vehicle Standards (24):

- [J3016\\_202104- Taxonomy and Definitions for Terms Related to Driving Automation Systems for On-Road Motor Vehicles](#)
- [J1699/3\\_202104- Vehicle OBD II Compliance Test Cases](#)
- [J1979-2\\_202104- E/E Diagnostic Test Modes: OBDOnUDS](#)
- [J1979DA-202104- Digital Annex of E/E Diagnostic Test Modes](#)
- [J2836/6\\_202104- Use Cases for Wireless Charging Communication for Plug-in Electric Vehicles](#)

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## SAE Technical Papers (908):

- [2021-01-0366 - Artificial Intelligence for Damage Detection in Automotive Composite Parts: A Use Case](#)
- [2021-01-0368 - Analysis of Energy Recovery System of Formula One Cars](#)
- [2021-01-0487 - Market Fuel Effects on Low Speed Pre-Ignition](#)
- [2021-01-0071 - Experimental Fuel Consumption Results from a Heterogeneous Four-Truck Platoon](#)
- [2021-01-0082 - Human Body Orientation from 2D Images](#)

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## SAE Journal Articles (36):

- [10-05-03-0016 - Tire Deformation Modelling for High-Speed Open-Wheel Aerodynamic Investigations](#)
- [12-04-02-0013 - Route-VPlat: Survey and Analysis of Routing Protocols for Communication in Multi-hop Vehicular Platooning](#)
- [11-03-02-0008 - Delivering Threat Analysis and Risk Assessment Based on ISO 21434: Practical and Tooling Considerations](#)
- [02-14-04-0032 - Crashworthiness Optimization of an Automotive Frame Based on Gray Relation Theory](#)
- [14-10-02-0014 - Development of a Comprehensive Model for the Concurrent Minimization of CO<sub>2</sub> and NO<sub>x</sub> Emissions of a 48 V Mild-Hybrid Diesel Car](#)

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## SAE EDGE™ Research Reports (2):

- [Unsettled Issues in Vehicle Autonomy, Artificial Intelligence, and Human-Machine Interaction](#)
- [Unsettled Issues Regarding Autonomous Vehicles and Open-source Software](#)

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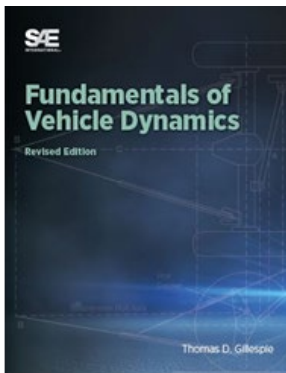
## SAE Professional Development:

[AS13100 Supplemental Quality Management System Requirements | PD532104](#)

This course will provide knowledge and insight for each of the AESQ supplemental requirements within AS13100, minimizing requirements and improving overall product quality by focusing on the key quality systems and processes.

[Learn More](#)

## SAE Book Spotlight:



[Fundamentals of Vehicle Dynamics, 2E](#)

Dr. Thomas D. Gillespie authored the first edition of this book nearly 30 years ago. Published on February 1, 1992, Fundamentals of Vehicle Dynamics withstands the test of time and remains a key reference for engineers and students alike.

*To add this to your SAE Mobilus Subscription please reach out to your SAE Mobilus Administrator or SAE Sales Representative.*

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## SAE Events:

[Innovations in Mobility Aerospace Digital Summit | May 18-20, 2021 | Online](#)  
[BAM | Business of Automated Mobility Forum | June 23-24, 2021.](#)

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## SAE Membership:

Enjoy access to discounted technical resources, career advancement tools, networking opportunities and more as an SAE Member (Not a member? Join now at [sae.org/join](http://sae.org/join)). Here are the latest happenings and benefits:

- FREE trial of [Member Connection](#), SAE's online discussion platform – June through August, join the technical conversations with SAE Members.

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