



August 2021 Newsletter

August 2021 Move with SAE Mobilus® Newsletter

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

- [SAE Aerospace Standards \(47\)](#)
- [SAE Aerospace Material Specifications \(25\)](#)
- [SAE Ground Vehicle Standards \(21\)](#)
- [SAE Technical Papers \(116\)](#)
- **NEW** [2021 Top Downloaded Book Titles](#)
- [SAE Journal Articles \(21\)](#)
- [SAE EDGE Research Reports \(2\)](#)
- [2021 SAE Book Catalog](#)
- [SAE Magazine Articles \(36\)](#)

Additional SAE Solutions:

- [Move with SAE Mobilus Webinar Series](#)
- [SAE Professional Development](#)
- [SAE Events](#)
- [SAE Membership & Community Engagement](#)
- **NEW** [Learn More on the MobilityRxiv™](#)

[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 August 18th, 2021 | 11 a.m. EST

Meet an Expert – Vehicle Dynamics: Dr. Dan Williams, Director of Commercial Vehicle, ADAS and Autonomy at ZF Group dives into his NEW SAE book publishing this year titled “Generalized Vehicle Dynamics”.

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

[Join the Movement](#)

SAE Aerospace Standards & Aerospace Material Specifications (72)

- [AS6500A - Manufacturing Management Program](#)
- [AS7767 - Qualification of Aerospace Personnel Performing Special Processes](#)
- [AS6405 - Ratcheting Wrenches, Twelve Point, High Strength, Thin Wall](#)
- [AS6332A - Aircraft Ground Deicing/Anti-Icing Quality Management](#)
- [AMS7026 - Titanium Ti-5553 \(Ti - 5Al - 5Mo - 5V - 3Cr\) Powder for Additive Manufacturing](#)

[View All](#)

SAE Ground Vehicle Standards (21):

- [J3216_202107 - Taxonomy and Definitions for Terms Related to Cooperative Driving Automation for On-Road Motor Vehicles](#)
- [J1939-22_202107 - CAN FD Data Link Layer](#)
- [J3206_202107 - Taxonomy and Definition of Safety Principles for Automated Driving System \(ADS\)](#)
- [J3197_202107 - Automated Driving System Data Logger](#)
- [J1654_202107 - Unshielded High Voltage Primary Cable](#)

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SAE Technical Papers (113):

- [2021-01-1201 - Evolution and Future Development of Vehicle Fuel Specification in China](#)
- [2021-01-1211 - Comparison of Olefin Copolymers and Comb Polymers in Engine Oil Formulations Tested for Fuel Efficiency Retention and CO2 Emissions Under Advanced Emission Standards](#)
- [2021-01-1210 - Evaporation Characteristics of Fuels for Low-Temperature Combustion Engine Application](#)
- [2021-01-5078 - Road Projections: Impact on Road Users and Potential to Enhance Awareness of Backing Situation in Parking Lots](#)
- [2021-01-1159 - Investigations into the Effects of Spark Plug Location on Knock Initiation by using Multiple Pressure Transducers](#)

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SAE Journal Articles (20):

- [2021-01-1000 - The Role of Safety Critical Architecture in an Evolving Ecosystem](#)
- [2021-01-1005 - Taking a Hybrid \(Analog Beamsteering + Digital Signaling\) Approach to Automotive Radar to Advance a Myriad of Highly Automated Driving Applications on the Road to Full Autonomy](#)
- [2021-01-1011 - Autonomous Vehicle Safety Assessment with Fully Quantified ODDs](#)
- [2021-01-1013 - Roadside Lidar Helping to Build Smart and Safe Transportation Infrastructure](#)
- [2021-01-1014 - Estimation of Gasoline Engine Emissions from Cylinder Pressure Parameters: Artificial Neural Network Approach](#)

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SAE EDGE™ Research Reports (2):

- [Unsettled Issues in Additive Manufacturing and Improved Sustainability in the Mobility Industry](#)
- [Unsettled Issues Regarding Visual Communication Between Automated Vehicles and Other Road Users](#)

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SAE Professional Development:

Applied Vehicle Dynamics | C0414

Take Notes! Take the Wheel!

There is no better place to gain an appreciation for vehicle dynamics than from the driver's seat. Spend three, intense days with a *world-renowned vehicle dynamics engineer* and SAE Master Instructor, his team of experienced industry engineers, and the BMW-trained professional driving instructors.

[Learn More](#)

SAE Events:

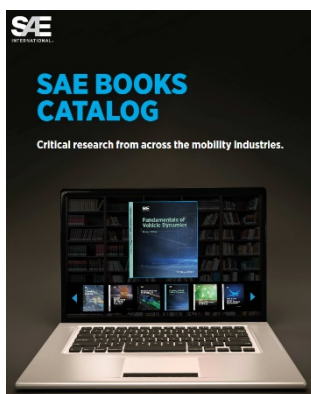
2021 SAE COMVEC™

Theme: Energy, Sustainability, and the Future of Commercial Vehicle Transportation.

September 14-16th, 2021 | Rosemont, IL or Online

[Join Us!](#)

SAE Book Spotlight:



SAE International books comprise the latest, most respected information source in aerospace and ground vehicle engineering.

- Critical insight into historical, current, and emerging industry topics.
- Authoritative, peer-reviewed research from leaders in academia and industry
- Convenient access to information, whether through print, e-books, or the SAE Mobilus® technical resource platform.

[Learn More!](#)

NEW 2021 Top 5 Downloaded SAE Book Titles:

- R-513 - The Road Forward: More Conversations with Top Women in the Automotive Industry
- R-506 - Fundamentals of Vehicle Dynamics, Revised Edition
- R-481 - Noise, Vibration and Harshness of Electric and Hybrid Vehicles
- R-430 - Aerodynamics of Road Vehicles, Fifth Edition
- R-500 - Managing Electric Vehicle Power

SAE Membership & Community Engagement:

Enjoy access to discounted technical resources, career advancement tools, networking opportunities and more as an SAE Member and Volunteer (Not a member? Join now at sae.org/join).

Here are the latest happenings and benefits:

- [Free trial of Member Connection](#) for nonmembers: access using your mySAE login, through August 31.
- [Virtual Mentor Program Open House](#): Share your most meaningful mentoring relationship, or your career advice for the next generation of engineers. Chance to win gift cards and the grand prize of an Apple Watch.

[Learn More](#)

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

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