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

View All
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

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

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
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™**


**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.

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.

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