June 2021 Move with SAE Mobilus® Newsletter

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

- SAE Aerospace Standards (64)
- SAE Aerospace Material Specifications (29)
- SAE Ground Vehicle Standards (12)
- SAE Technical Papers (10)
- SAE Journal Articles (34)
- SAE EDGE Research Reports (2)
- SAE Books
- SAE Magazine Articles (20)

Additional SAE Solutions:

- Move with SAE Mobilus Webinar Series
- SAE Professional Development
- SAE Events
- SAE Membership & Community Engagement

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 June 16th, 2021 | 11 a.m. EST

Meet the Editor-in-Chief of the SAE International Journal of Aerospace: Dr. Ravi Rajamani, Independent Consultant, and Visiting Professor of Aerospace, Transport and Manufacturing – Cranfield University.

New to the Movement? Learn More.

Join the Movement

SAE Aerospace Standards & Aerospace Material Specifications (93)

- AS9147- Unsalvageable Items Management – Requirements for Aviation, Space, and Defense Organizations
- ARP4977-DRYING OF THERMOSETTING COMPOSITE MATERIALS
- AIR6212-Use of Health Monitoring Systems to Detect Aircraft Exposure to Volcanic Events
- AMSC19853A-Carbon Removing Compound (For Use in Agitated Tank)
- ARP6320A-Procedure for the Continuous Sampling and Measurement of Non-Volatile Particulate Matter Emissions from Aircraft Turbine Engines

View All

SAE Ground Vehicle Standards (12):

- J1715_202105-Hybrid Electric Vehicle (HEV) and Electric Vehicle (EV) Terminology
- J1939/03_202105J3021_202105-On-Board Diagnostics Implementation Guide
- J3021_202105- Recommended Practice for Determining Material Properties of Li-Battery Cathode Active Materials
- J3227-Terminology and Measurement Methodology for Determining Vehicle Overlap in Offset-Frontal Crashes
- J1537_202105-Gasoline Low-Pressure Electric Fuel Pump Characterization

View All
SAE Technical Papers (10):

- 2021-01-5054 - Selective Catalytic Reduction on Filter Performance Testing on Non-road Diesel Engine
- 2021-01-5043 - Human Subject Kinematic Response to Low-Speed Sideswipes Involving a Truck Tractor
- 2021-01-5053 - Multi-objective Design Optimization of Locomotive Nose
- 2021-01-5051 - High-Cycle Fatigue of Polyamide-6,6 and Glass Fiber-Based Short Fiber Composite Using Finite Element Analysis
- 2021-01-5059 - Novel Approach to Determine Effective Flow Areas at Shock Absorber Restrictions

SAE Journal Articles (32):

- 10-05-04-0030 - An Overview of Automotive Wind Noise and Buffeting Active Control
- 09-09-01-0001 - Assessment of Acclimation of 5th Percentile Female and 50th Percentile Male Volunteer Kinematics in Low-Speed Frontal and Frontal-Oblique Sled Tests
- 14-10-02-0015 - Energy Method for Controlling a Traction Electric Drive
- 11-04-01-0002 - Towards a Blockchain Framework for Autonomous Vehicle System Integrity
- 05-14-04-0023 - A Novel Approach for Integrating the Optimization of the Lifetime and Cost of Manufacturing of a New Product during the Design Phase

SAE EDGE™ Research Reports (2):

- Unsettled Topics Concerning Flying Cars for Urban Air Mobility
- Unsettled Technology Areas in Electric Propulsion Systems
SAE Professional Development:

**NEW:** Automotive Cybersecurity Certification (Level One) In partnership between SAE International and TÜD SÜD | July 26-27, 2021 | Live Instructor Led (Online)
- Learn the context and the requirements of the laws, regulations, and standards with a focus on the regulations of UNECE WP.29 and ISO/SAE 21434.
- Designed for any role that needs to have a foundational understanding of automotive cybersecurity.

**NEW:** AS13100 Supplemental Quality Management System Requirements Quality Foundations Course set to launch Fall 2021.
- Expert training from SAE and AESQ | 10 Module OnDemand Course
- Contact our team for more information on the launch! @ corpleam@sae.org

SAE Events:

**In Person Events Return!** We are looking forward to gathering safely in person:
- Noise and Vibration Conference | September 7-10 in Grand Rapids, MI.
- COMVEC | September 14-16 in Rosemont, IL.
- North American International Propulsion Conference | September 15-17 in Chicago, IL.

**Upcoming Digital Events:**
- Business of Automated Mobility Forum (BAM) | June 23-24, 2021

SAE Book Collection:

There were no new SAE book titles in May 2021 but click below to check out the 2021 year-to-date titles!
SAE Membership & Community Engagement:

FREE trial of Member Connection, SAE’s online discussion platform – June through August, join the technical conversations with SAE Members, such as:

- Autonomous Vehicles and Weather
- Hydrogen as a Fuel


Learn More

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