



July 2020 Newsletter

July 2020 Move with SAE MOBILUS® Newsletter

The following is a summary of all publications added to the SAE MOBILUS technical resource platform in June 2020. Selecting a content type below will display the SAE MOBILUS search results for the content type selected.

- [Aerospace Standards](#) (31)
- [Aerospace Material Specifications](#) (12)
- [Ground Vehicle Standards](#) (12)
- [Journal Articles](#) (12)
- [Journals](#) (3)
- [Technical Papers](#) (32)
- [SAE EDGE Research Reports](#) (3)
- [SAE Professional Development](#)
- [Magazine Articles](#) (51)
- [Stapp Car Crash Journal](#) (1)
- [White Paper](#) (1)
- [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.

July 2020 Move with SAE MOBILUS Webinar Series

July 15, 2020 | 11 a.m. EST

Sign up for our monthly webinar series, hosted by our SAE Customer Success Specialist, Angela Kenner. This series, held every 3rd Wednesday at 11 a.m. EST, will highlight newly released SAE publications, LIVE Q&A with guest speakers and allow for our audience to engage with our team and content.

July Guest Speaker:

July's special guest speaker is **Dr. Srikanth Pilla**, Professor & Dean's Faculty Fellow of Automotive Engineering at Clemson University, as editor-in-chief he will be speaking more on SAE's new journal publication, *Journal of Sustainable Transportation, Energy, Environment, & Policy*.

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Aerospace Standards and Aerospace Material Specifications (43):

- [\(AMS2750F\) Pyrometry](#)
- [\(AS6832\) Counterfeit Materiel, Assuring Acquisition of Authentic and Conforming Fasteners](#)
- [\(ARP1315E\) Safety Considerations for Airplane Lavatories](#)
- [\(AS5671\) Design and Performance Criteria: Interior Passenger Stairways on Transport Category Airplanes](#)
- [\(ARP6157A\) Pressure-Viscosity Coefficient Measurement](#)

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Ground Vehicle Standards (12):

- [\(J2803_202006\) Dimension Compatibility for Commercial Vehicle Wheels to Air Disc Brake Calipers – Truck and Bus](#)
- [\(J1939-73_202006\) Application Layer – Diagnostics](#)
- [\(J549_202006\) Preignition Rating of Spark Plugs](#)
- [\(J2950_202006\) Recommended Practices for Shipping Transport and Handling of Automotive-Type Battery System – Lithium Ion](#)

- [\(J1987_202006\) Force and Moment Test Method](#)

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Journal Articles (12):

- [12-03-02-0007 – Enhancing Energy Saving Opportunities through Rightsizing of a Battery Electric Vehicle Powertrain for Optimal Cooperative Driving](#)
- [14-09-02-0010 – Time-Optimal Coordination Control for the Gear-Shifting Process in Electric-Driven Mechanical Transmission \(Dog Clutch\) without Impacts](#)
- [14-09-02-0009 – Optimal Equivalent Consumption Minimization Strategy for Plug-In Hybrid Electric Vehicle with Improved Genetic Algorithm](#)
- [10-04-03-0019 – Influence of Gear-Shaft-Bearing Configurations on Vibration Characteristics of Spiral Bevel Gear Drives](#)
- [03-13-04-0029 – Experimental Evaluation of Evaporator Thermal Inertia for an Optimal Control Strategy of an Organic Rankine Cycle Waste Heat Recovery System](#)

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Technical Papers (32):

- [2020-37-0028 – Multidisciplinary Investigation of Truck Platooning](#)
- [2020-37-0030 – Heat Pump for BEVs: Architectures and Performance Analysis](#)
- [2020-37-0004 – A Novel Option for Direct Waste Heat Recovery from Exhaust Gases of Internal Combustion Engines](#)
- [2020-37-0008 – Experimental Evaluation of the Performance of an Automotive Electric Supercharger](#)
- [2020-37-0015 – Multitarget Evaluation of Hybrid Electric Vehicle Powertrain Architectures Considering Fuel Economy and Battery Lifetime](#)

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SAE EDGE™ Research Reports (3):

- [Unsettled Topics Concerning User Experience and Acceptance of Automated Vehicles](#)
- [Unsettled Issues Concerning the Economics of Fuel Cells and Electric Ground Vehicles](#)
- [Unsettled Topics in Automated Vehicle Data Sharing for Verification and Validation Purposes](#)

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SAE Professional Development:

Adapt and Thrive with SAE Corporate Learning Solutions

Whether you are facing regulatory, economic, or technological challenges, our team is here to help you navigate through this changing time. SAE offers the [most extensive catalog](#) of industry-focused training, and we continue to shift many of our traditionally in-person led trainings to online offerings. Our focus is on providing you:

- **Best-practice guidance** on staying compliant.
- **Subject Matter expertise** to help you stay competitive.
- **Cost-effective courses** you can put into practice immediately.

Learn about how we can help you adapt and thrive no matter the challenge.

[Talk to Us Today](#)

Stapp Car Crash Journal:

- [Stapp Car Crash Journal Vol. 63, 2019](#)
-

SAE White Paper:

- [Rethinking the Way We Move Beyond COVID-19](#)

SAE Books:

There were no June 2020 book publications, but we encourage you to browse recent and popular books available on the SAE MOBILUS platform!

[View All Books](#)

SAE Events:

SAE is bringing you our most in demand events, virtually!

SAE is committed to bringing together global industry experts, and we are here to help the mobility industry stay connected during these changing times.

Click below to learn more on how to connect with key mobility professionals across the industry, gain access to valuable cutting-edge resources on the advancements in key technologies and access to hundreds of expert-led panels.

[Learn More](#)

SAE Membership Information:

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

- [Chat with the Expert in Member Connection](#) July 21 – 22: Join SAE Members to discuss “Range Extenders for EVs” with Scott Curran, Oak Ridge National Laboratory, and “VR tools in the auto industry,” with Amol Gulve, Volvo Group North America.
- [Members save on GE Appliances](#): Save up to 25% off the MSRP and shop your favorite GE®, GE Profile™ Series, Café, HotPoint®, Haier and Monogram® appliance brands.

Become an SAE Member