



May 2020 Newsletter

May Publication Newsletter

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

- [Aerospace Standard](#) (97)
- [Aerospace Material Specification](#) (35)
- [Ground Vehicle Standard](#) (12)
- [Technical Paper](#) (1,262)
- [Journal Article](#) (16)
- [Stapp Car Crash Journal](#) (25)
- [Professional Development](#)
- [Books](#) (3)
- [SAE EDGE Research Reports](#) (2)
- [SAE Events](#)

[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.

May 2020 Move with SAE MOBILUS Webinar Series

May 20, 2020 | 11 a.m. EST

Sign up for our monthly webinar hosted by our SAE Customer Success Specialist, Angela Kenner. This open WebEx will highlight newly released SAE publications, guest speakers from our Product Team and allow for our audience to engage with our team and content.

May Guest Speaker: Marc C. LeDuc, Senior Technical Program Developer – SAE International. Marc will be joining us to answer questions and provide insight into the [SAE WCX World Congress Experience Publications](#).

ATTENTION: We have moved to a new webinar platform! If you've previously registered for our Move with SAE MOBILUS monthly webinar series, please visit this [link](#) to ensure you have the **NEW webinar details**.

Sign Up

NEW SAE MOBILUS Features:

- **Dimension Badges:**
“SAE MOBILUS® now displays Dimensions badges for technical papers and journal articles that have received citations. The badge shows how many citations a paper or article has, and by hovering over it, you can see a breakdown of total citations and recent citations, as well as citation ratios. If you click on the icon, you will be taken to the Dimensions citations page where you can drill down for further information, such as a list of the works citing the publication and a visualization of the research categories and a publication's relative influence in a specific research category.”

Open to View More

- **Recommended Content:**
“SAE MOBILUS® now includes Recommended Content featured within the product and training detail pages on the platform. This valuable feature provides an efficient way for our customers to have a more personalized experience and quickly access additional content relevant to their project scope.”

Open to View More

Ground Vehicle Standards:

- [J2945_1_202004: On-Board System Requirements for V2V Safety Communications](#)
- [J1939-76_202004: Functional Safety Communications Protocol](#)
- [J2891_202004: Auxiliary Power Unit Electrical Interface Requirements for Class Eight Trucks](#)
- [J3119_202004: Reliability, Maintainability, and Sustainability Terms and Definitions](#)
- [J1994_202004: Laboratory Testing of Vehicle and Industrial Heat Exchangers for Heat Transfer and Pressure Drop Performance](#)

[View All 12](#)

Aerospace Standards and Aerospace Material Specifications:

- [ARP4024: Aircraft/Engine Fuel Pump Net Positive Suction Pressure Performance Test and Evaluation](#)
- [ARP4028: Aircraft/Engine Fuel Pump Two Phase \(Slugging Flow\) Inlet Performance Test and Evaluation](#)
- [ARP8996: Comprehensibility Testing for Pictogram-Based Aircraft Signs and Placards](#)
- [AIR6904: Rationale, Considerations, and Framework for Data Interoperability for Health Management within the Aerospace Ecosystem](#)
- [AS6896: Aircraft Markings for Ground Support Equipment Alignment](#)

[View All 132](#)

Technical Papers:

- [2020-01-0352: Review of Vehicle Engine Efficiency and Emissions](#)
- [2020-01-0169: Integrated Exhaust Manifold Cylinder Head Design Methodology for RDE in Gasoline Engine Application](#)
- [2020-01-0281: Opportunities for Electrified Internal Combustion Engines](#)
- [2020-01-0883: Characterizing Regenerative Coast-Down Deceleration in Tesla Model 3, S, and X](#)

- [2020-01-0839: A Modular Gasoline Engine Family for Hybrid Powertrains: Balancing Cost and Efficiency Optimization](#)

[View All 1,262](#)

SAE EDGE™ Research Reports:

- [Unsettled Topics in Unmanned Aerial Vehicle Icing](#)
- [Unsettled Topics on the Feasibility and Desirability of Using Additive Manufacturing in the Mobility Industry](#)

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Journal Articles:

- [13-01-01-0004: Reframing Automotive Fuel Efficiency – SAE International Journal of Sustainable Transportation, Energy, Environment, & Policy](#)
- [04-13-02-0007: Performance and Emission Characteristics of a Gas Turbine Engine Burning Soap-Derived Biokerosene/Jet A-1 Blends – SAE International Journal of Fuels and Lubricants](#)
- [02-13-01-0003: Modeling and Analysis of a Heavy Vehicle with Self-Steering Axle – SAE International Journal of Commercial Vehicles](#)
- [09-08-01-0004: Assessing the Safety of Environment Perception in Automated Driving Vehicles \(09-08-01-0004\) – SAE International Journal of Transportation Safety](#)
- [03-13-03-0023: Open Access! Ducted Fuel Injection versus Conventional Diesel Combustion: An Operating-Parameter Sensitivity Study Conducted in an Optical Engine with a Four-Orifice Fuel Injector– SAE International Journal of Engines](#)

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Stapp Car Crash Journal, Vol. 63:

- [2019-22-0005: Far Side Impact Injury Threshold Recommendations Based on 6 Paired WorldSID / Post Mortem Human Subjects Tests](#)
- [2019-22-0001: Brain Strain from Motion of Sparse Markers](#)
- [2019-01-0008: Factors Affecting Child Injury Risk in Motor-Vehicle Crashes](#)
- [2019-22-0022: The Effect of An Acoustic Startling Warning On Take-Over Reaction Time And Trunk Kinematics for Drivers in Autonomous Driving Scenarios](#)
- [2019-22-0016: Machine Learning Based Model for Predicting Head Injury Criterion \(HIC\)](#)

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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](#)

Books:

- [An Introduction to Aircraft Thermal Management](#)
- [1D and Multi-D Modeling Techniques for IC Engine Simulation](#)

[View All 2](#)

Events:

- [WCX SAE World Congress Experience Publications](#) (1,223)

SAE is bringing you two of our most in demand events, virtually this June!

SAE is committed to bringing together global industry experts, and we are here help the mobility industry stay connected during these changing times. We are thrilled to announce dates for both Aerotech Digital Summit, and WCX Digital Summit, below. These events will feature all the technical content you would have received live, at a much lower investment. These digital summits allow for content and sponsorship recognition to be available months after the event. Additionally, we're offering these to you [risk free](#) for both registrants and sponsors.

- **AeroTech® Digital Summit** | June 2-3, 2020 | Live Online
- **WCX™ Digital Summit** | June 16-18, 2020 | Live Online

Attendee registration will be open soon! For more information on sponsorship opportunities, please contact us at events@sae.org

Membership:

Enjoy access to discounted technical resources, career advancement tools, networking opportunities and more as an SAE Member. Here is the latest happenings and benefits.

- FREE trial of [Member Connection](#), SAE's online discussion platform – join the technical conversations with SAE Members. Also partake in an upcoming [Virtual Mentor Mixer](#) May 7 – 8: Women in Engineering & Effective Communication.
- **NEW** Member Benefit, [TopResume](#) – discounted resume reviews, cover letter writing assistance, and LinkedIn profile building.

Not an SAE Member?

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