



March 2021 Newsletter

March 2021 Move with SAE Mobilus® Newsletter

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

- [SAE Aerospace Standards \(32\)](#)
- [SAE Aerospace Material Specifications \(11\)](#)
- [SAE Ground Vehicle Standards \(5\)](#)
- [SAE Journal Articles \(31\)](#)
- [SAE Technical Papers \(13\)](#)
- [SAE EDGE Research Reports \(3\)](#)
- [SAE Professional Development](#)
- [SAE Books](#)
- [SAE Magazine Articles \(89\)](#)
- [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.

Move with SAE Mobilus Webinar Series

March 17, 2021 | 11 a.m. EST

March Topic: **Discover What's Next for Mobility**, Insights into the SAE WCX Digital Summit – An Interview with **Kristen Tabar, Group VP of Vehicle Development & Engineering at Toyota North America Research and Development**.

Join us for the Move with SAE Mobilus March 2021 episode as we learn more from **Kristen Tabar, member of the WCX Technical Advisory Group (TAG)**, on the work and the content developed for the Leadership Summit for WCX. We'll review what to expect in technical content, how the WCX program has evolved and the rationale behind the topic and panelist selections!

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NEW – Introducing the SAE AS13100 | The New Industry Standard for Quality

This exciting new standard creates a common language for quality throughout the supply chain. **Watch our video series** for executive perspectives from across the industry and learn how compliance is critical to your company's success.

Access the Standard: SAE AS13100 - AESQ Quality Management System Requirements for Aero Engine Design and Production Organizations.

Learn on Demand: Move your team closer to compliance with the new AS13100 standard, through expert training from SAE and AESQ.

Mark your calendar for the **May 19th, 2021 Move with SAE Mobilus webinar** which will welcome a guest speaker interview on this new industry standard! **Sign-up for the series** and chat with experts from industry!

SAE Aerospace Standards & Aerospace Material Specifications (43)

- [EIA632A – Processes for Engineering a System](#)
- [AIR7506 - Impact of High Voltage on Wiring](#)
- [AIR810C - Design, Development and Test Criteria - Solid State Proximity Switches/Systems for Landing Gear Applications](#)
- [AIR6246 - Landing Gear \(Engine Off\) Taxi System](#)
- [AIR5024 - Landing Gear Switch Selection Criteria](#)

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SAE Ground Vehicle Standards (5):

- [J899_202102- Operator's Seat Dimensions for Off-Road Self-Propelled Work Machines](#)
- [J1967_202102 - Retroreflective Materials for Vehicle Conspicuity](#)
- [J2087_202102 - Daytime Running Lamp](#)
- [J267_202102 - Wheels/Rims - Truck and Bus - Performance Requirements and Test Procedures for Radial and Cornering Fatigue](#)
- [J3230/1_202102 - Kinematic Performance Metrics for Powered Standing Scooters](#)

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SAE Technical Papers (13):

- [2021-01-5028 – Quantification of Platooning Fuel Economy Benefits across United States Interstates Using Closed-Loop Vehicle Model Simulation](#)
- [2021-01-5228 – Active Interior Noise Control for Passenger Vehicle Using the Notch Dual-Channel Algorithms with Two Different Predictive Filters](#)
- [2021-01-5026 – Computational Investigation of the Effect of Mullite Coating and Shape Variation on Inflow Characteristics and Thermal Stability on the Exhaust Manifold](#)
- [2021-01-5230 – Study of Rattle Noise in Vehicle Seat System under Different Excitation Signals and Loading Conditions](#)
- [2021-01-5014 – Influence of Open-Jet Effects on Vehicle Wind Tunnel Measurements](#)

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SAE Journal Articles (31):

- [10-05-01-0004 - Challenges in Noise Refinement of a Pure Electric Passenger Vehicle](#)
- [02-14-02-0010 - A Novel Approach to Energy Management Strategy for Hybrid Electric Vehicles](#)
- [14-10-01-0005 - Design and Optimization of a Mild Hybrid Electric Vehicle with Energy-Efficient Longitudinal Control](#)
- [03-14-03-0019 - Homogeneous Charge with Direct Injection Strategy to Achieve High Efficiency and Clean Combustion in Diesel Engines](#)
- [09-08-02-0005 - Development of Data Mining Methodologies to Advance Knowledge of Driver Behaviors in Naturalistic Driving](#)

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SAE Professional Development:

We provide **high impact, industry-applicable** training programs and credentials specifically designed to advance career development. Our portfolio of hundreds of **classroom, web-delivered, and on-demand online courses** are delivered in the U.S., Europe, and Asia for individuals or as private offerings for groups within companies.

Spotlight Course:

We are pleased to announce the launch of **Robotics for Autonomous Vehicle Systems Bootcamp**

- Instructors: Dr. Venkat Krovi & Jeff Blackburn, TA Huzefa Kagalwala
- Dates: May 14th- July 30th
- Delivery Method: Virtually Synchronous & Asynchronous

[Register](#)

SAE EDGE™ Research Reports (3):

- [Unsettled Issues Concerning the Use of Green Ammonia Fuel in Ground Vehicles](#)
- [Unsettled Issues on the Viability and Cost-Effectiveness of Automation in Aerospace Manufacturing](#)
- [Unsettled Topics on the Benefit of Additive Manufacturing for Production at the Point of Use in the Mobility Industry](#)

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SAE Book Spotlight:

The Design of Aircraft Landing Gear, written by R. Kyle Schmidt, PE (*B.A.Sc. - Mechanical Engineering, M.Sc. - Safety and Aircraft Accident Investigation, Chairman of the SAE A-5 Committee on Aircraft Landing Gear*)

The Design of Aircraft Landing Gear is designed to guide the reader through the key principles of landing system design and to provide additional references when available. Many problems which must be confronted have already been addressed by others in the past, but the information is not known or shared, leading to the observation that there are few new problems, but many new people. This new SAE book publication is a landmark work in the industry, and a must-read for any engineer interested in updating specific skills and students preparing for an exciting career.

To add this to your SAE Mobilus Subscription please reach out to your SAE Mobilus Administrator or SAE Sales Representative.

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SAE Events:

SAE is committed to bringing together global industry experts and we are here to help the mobility industry stay connected and informed.

Last Chance to Register! The [AEROTECH®](#) Digital Summit launches next week, Tuesday March 9th – Thursday March 11th. Don't miss out on attending live, [register](#) today.

Upcoming Digital Events:

- [On-Board Diagnostics](#) Digital Summit–Europe | March 23-25, 2021
- [WCX™](#) Digital Summit | April 13-15, 2021

Attend

SAE Membership Information:

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

- [Women in Aerospace Chat with the Expert](#), March 30 - 31: Join the authors of the new book, [Flight Paths to Success: Career Insights from Women Leaders in Aerospace](#), Rhonda Walthall and Brenda Mitchell, and other remarkable SAE women to discuss the aerospace industry, as well as being a woman in the workplace.
- [New Member Benefit, HP](#): Members can save up to 35% off of computers, printers, accessories, and more.

Become an SAE Member

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