



Newly-added

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The following is a summary of all publications added to the SAE Mobilus technical resource platform in February 2023. Click below and the SAE Mobilus search results for the content type selected will populate.

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Webinar Series

March 15, 2023 | 11 a.m. EDT

Meet the Expert: Dr. Saulius Pavalkis, MBSE Ecosystem Transformation Leader, MBSE R&D Cyber Portfolio Manager, INCOSE CAB Representative, CSE Board of Advisors the University of Texas at Arlington

Log in for a LIVE interview to learn more about:

- SAE's AeroTech Event
- MBSE Ecosystems
- Digital Engineering
- System Architecture and Simulation

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Ongoing Learning Opportunities

SAE Mobilus Spotlight

Join us for a customized on-demand SAE Mobilus training session hosted by SAE Onboarding & Implementation Specialist, Wendy Ogletree-Robinson on **March 28, 2023 | 9:00 a.m. EST.**

DISCOVER:

- What's New in Under 30 Minutes
- The Best Practices on Staying Updated on Trending Technologies
- The Latest in Electrification

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Aerospace Standards & Aerospace Material Specifications

- [TEE, BULKHEAD AND UNIVERSAL, FLARELESS TUBE](#)

- [TEE, FLARELESS TUBE](#)
- [Time-Triggered Ethernet](#)
- [Steel Bars, Forgings, Rings and Forging Stock 0.50Cr - 0.55Ni - 0.25Mo \(0.33 - 0.38C\) \(8735\)](#)
- [Metals & Alloys in the Unified Numbering System, 14th Edition](#)
- [Composite Materials Handbook Volume 1 - Revision H](#)

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Ground Vehicle Standards

- [Heavy-Duty Vehicle Cooling Test Procedures](#)
- [Retest of Refrigerant Container](#)
- [Personal Watercraft - Electrical Systems](#)

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Technical Papers

Technical Papers

- [Aircraft Aerodynamic Technology Review - A Tool for Aviation Performance and Sustainability Improvement](#)
- [Numerical Analysis for Three Types of Wings at Various Angles of Attack: A Comparative Study](#)
- [Electromagnetic Radiation Analysis of Permanent Magnet Synchronous Motor in Electric Vehicles under Different Driving Conditions](#)

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[SAE MobilityRxiv®](#)

This **free online archive and sharing service** provides English-language preprints in the mobility/transportation field, including ground vehicles, commercial vehicles, and aerospace and aviation.

- [Impact of Ultra-Capacitor in a Battery Electric Vehicle](#)

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Journal Articles

- [Influence of Sound and Vibration on Perceived Overall Ride Comfort—A Comparison between an Electric Vehicle and a Combustion Engine Vehicle](#)
- [Novel Approach to the Mechanism of Aerodynamic Forces](#)
- [Adaptive Slicing of Point Cloud Directly with Discrete Interpolable-Area Error Profile in Additive Manufacturing](#)

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EDGE Research Reports

- [Next-generation Sensors for Automated Road Vehicles](#)
- [Determining Design Properties for Metal Additive Manufacturing in the Mobility Industry](#)

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Professional Development

[Design of Experiments \(DoE\) for Engineers PD530932](#)

This course will benefit engineers involved in problem-solving, such as product design or product formulation and managers who support engineers in their efforts, so they may be effective participants in DOE activities.

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Book Spotlight

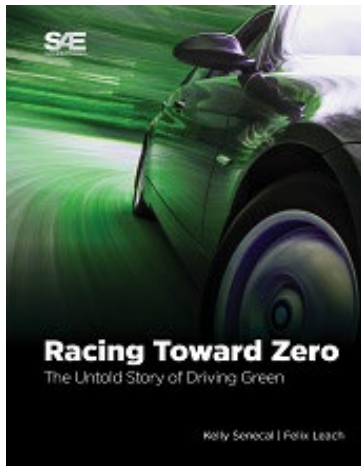


[Aviation Engineering: Navigating Through the Golden Years!](#)

Marijan Jozic

In *Aviation Engineering: Navigating Through the Golden Years*, Marijan candidly shares his journey through the world of avionics.

[Read It](#)



[Racing Toward Zero: The Untold Story of Driving Green](#)

Kelly Senecal & Felix Leach

In *Racing Toward Zero*, the authors explore the issues inherent in developing sustainable transportation.

[Read It](#)



Events

[WCX](#)

April 18-20, 2023 | Huntington Place, Detroit, MI

Join SAE for the World Congress Experience where the engineering community will convene on mobility's biggest challenges and explore its opportunities.

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Membership

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Here are the latest happenings and benefits:

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- [Volunteer with SAE](#): Opt into the Volunteer Pool, update your volunteer profile, or apply to an opportunity.

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