



Newly-added

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The following is a summary of all publications added to the SAE Mobilus technical resource platform in September 2022. Click below and the SAE Mobilus search results for the content type selected will populate.

SAE Solutions

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Webinar Series

November 16th, 2022 | 11 a.m. EDT

Meet the Editor-in-Chief: SAE Journal of Connected and Automated Vehicles | Dr. Daniel Watzenig, Graz University of Technology and Virtual Vehicle Research Center of Austria

Log in for a LIVE interview to learn more about:

- Trends in Technology
- The Importance of Publishing Technical Content
- How to Get Your Content Published

New to the Movement? [Learn More](#)

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Ongoing Learning Opportunities

SAE Mobilus Spotlight

Join us for a customized SAE Mobilus training session hosted by SAE Onboarding & Implementation Specialist, Wendy Ogletree-Robinson on **November 15, 2022, at 900am & 1100am EDT.**

LEARN:

- How to Register for Your Dashboard
- Convenience Features of the Dashboard

- [How to Manage Alerts and Notifications](#)

Vote on Future SAE Mobilus Spotlight Topics

Are there topics you would like to see featured in the SAE Spotlight sessions? [Let us know!](#)

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Aerospace Standards & Aerospace Material Specifications

Aerospace Standards and Aerospace Materials Specifications [103]

- [CABLE, HIGH PERFORMANCE, 4 PAIR, SHIELDED, 100 OHM, 200 °C, ETHERNET 10G BASE T](#)
- [Electrical Bonding of Aircraft Fuel Systems](#)
- [CABLE, HIGH PERFORMANCE, 4 PAIR, SHIELDED, 100 OHM, 200 °C, ETHERNET 10G BASE T](#)
- [Cloth, Aramid, 2.25 oz per sq yd \(76.3 g/m²\), 250 Pounds Force per Inch \(43782 N/m\)](#)
- [Aluminum Alloy, Extrusions 6.3Cu - 0.30Mn - 0.18Zr - 0.10V - 0.06Ti \(2219-T3511\) Solution Heat Treated, Stress-Relieved by Stretching, and Straightened](#)
- [Steel, Mechanical Tubing 0.95Cr - 0.20Mo \(0.33 - 0.38C\) \(SAE 4135\)](#)

[View All](#)



Ground Vehicle Standards

Ground Vehicle Standards [14]

- [Diagnostic Link Connector Security](#)
- [Procedure for Visual Evaluation of Interior and Exterior Automotive Trim](#)
- [Inertia Dynamometer Brake Squeal Noise Test Procedure for Vehicles without Regenerative Systems](#)

2022 Top Downloaded Ground Vehicle Standards

- [J1939 Digital Annex](#)
- [Application Layer - Diagnostics](#)
- [Data Link Layer](#)
- [J1979-DA, Digital Annex of E/E Diagnostic Test Modes](#)
- [Vehicle Application Layer](#)

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Technical Papers

Technical Papers [201]

- [Improving Functionalities of Existing Electronic Stability Controller by Adding Sensor Detection Based Algorithm for Collision Avoidance Using CarSim](#)
- [Telematics Smart Testing and Validation Tool](#)

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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.

- [Cloud Control Platform, from Information System to Digital Twin](#)

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Journal Articles

Journal Articles [28]

- [Toward a Machine Learning Development Lifecycle for Product Certification and Approval in Aviation](#)
- [Computational Fluid Dynamics Simulation of Inter-Vehicle Ventilation Systems: A New Design Approach](#)
- [Heat Transfer Study of a Battery Module for Micro-mobility](#)

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EDGE Research Reports

EDGE Research Reports [3]

- [Automated Vehicles and Infrastructure Enablers: Accessibility](#)
- [Autonomous Field Robotics](#)
- [Critical Metals, Sourcing, and Long Supply Chains: Constraints on Transport Decarbonization](#)

[View All](#)



Professional Development

[LIDAR for ADAS and Autonomous Sensing C1935](#)

March 3, 2023 | Live Online

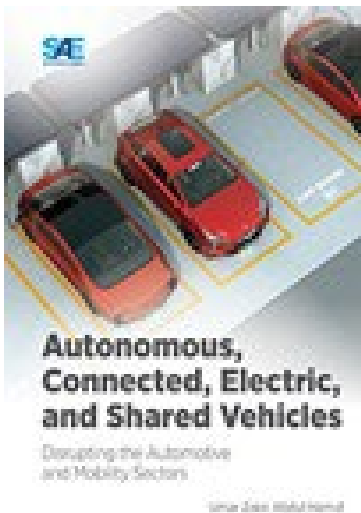
This course will provide the foundation on which to build LIDAR technologies in automotive

applications and investigate the trends and challenges facing optical sensing in autonomous vehicles.

[Learn More](#)



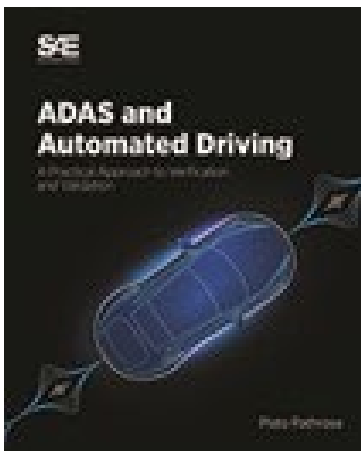
Book Spotlight



Autonomous, Connected, Electric and Shared Vehicles: Disrupting the Automotive and Mobility Sectors

In *Autonomous, Connected, Electric and Shared Vehicles: Disrupting the Automotive and Mobility Sectors*, Umar Zakir Abdul Hamid provides an overview of ACES technology for cross-disciplinary audiences, including researchers, academics, and automotive professionals.

[Read It!](#)



ADAS and Automated Driving A Practical Approach to Verification and Validation

In *ADAS and Automated Driving*, Plato Pathrose focuses on how automated driving systems (ADS) can be developed from concept to a product on the market for widescale public use by providing an overview of the various ADAS and ADS currently being developed and installed in vehicles.

[Read It!](#)



Events

[2023 SAE Showcase](#)

January 31 – February 1, 2023

{Online Event}

The 2023 SAE Showcase is a FREE opportunity for the industry to learn about SAE's new initiatives, products, and strategy across all our departments and divisions.

[Learn More](#)

[Aerotech](#)

Fort Worth, TX | March 14-16, 2022

Join industry innovators, thought-leaders, and high-tech professionals worldwide to celebrate aerospace achievements, share successes and practical information to advance technology and processes, keep pace with and gain guidance on aerospace standards and regulatory activities, and network and collaborate to move the industry forward and reach new heights!

[Learn More](#)



Membership

SAE Membership and Community Engagement Information

Enjoy access to discounted technical resources, career advancement tools, networking opportunities and more as an SAE Member and Volunteer. (Not a member? [Join Us!](#))

Here are the latest happenings and benefits:

[Mentor Chat: Work-Life Integration](#), November 15 & 16

[SAE Mentor Program](#): Seeking Mentors with technical interests of Vehicles and Performance, and Tests & Testing.

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