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

**SAE Solutions**

- Aerospace Standards (23)
- Aerospace Material Specifications (17)
- Ground Vehicle Standards (14)
- Technical Papers (81)
- Journal Articles (23)
- EDGE Research Reports (2)
- Book
- Magazine Articles (93)

**Additional SAE Solutions**

- Move with SAE Mobilus Webinar Series
- Professional Development
- Events
- Membership & Community Engagement
- SAE MobilityRxiv®

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March 16, 2022 | 11 a.m. EDT

Meet an Expert: ISO/SAE 21434 Road Vehicles – Cybersecurity Engineering Committee Co-Chair, featuring Lisa Boran, Co-Chair of the SAE Vehicle Cybersecurity Systems Engineering Committee

This LIVE interview will provide some insights into what this standard helps solve, how to apply it, and additional resources, such as Professional Development courses on Managing Cybersecurity Risks, Books, and Technical Research Papers.

New to the Movement? Learn More

View the Past Guest Speaker Collection

Aerospace Standards & Aerospace Material Specifications

- Standard Practice for Force Protection and Survivability – SAE1008
- Aircraft Tire Electrical Resistance Test – ARP6404
- Minimum Performance Standard for Aircraft Position Lights – AS8037D
- Trimmable Horizontal Stabilizer Actuator Descriptions – AIR6052A
- Bearings, Plain and PTFE Lined, Self-Aligning – AS8942A

Ground Vehicle Standards

- Listing of Provider Service Identifiers and Associated Application Technical Reports – J3268_202202
- H-Point Machine (HPM-II) Specifications and Procedure for H-Point Determination - Auditing Vehicle Seats – J4002_202202
• Hydrogen Vehicle Crash Test Lab Safety Guidelines – J3121_202202
• Laboratory Measurement of the Composite Vibration Damping Properties of Materials on a Supporting Steel Bar – J1637_202202

Technical Papers

• Sustainable Mobility - Feasibility study on vehicles powered by hydrogen in fuel cells, and other applications
• Hydrogen Technologies Applied to SAE Electric Racing Car
• Fuel Economy Benefit of Active Grille Shutters for Real World, Worldwide Harmonized Light Vehicles Test Procedure, and Real Driving Emission Cycles

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 Positioning Uncertainty on Connected and Automated Vehicle Applications

Journal Articles

• Motion Sickness in Automated Vehicles: Principal Research Questions and the Need for Common Protocols
• Analysis for Comfortable Handling and Motion Sickness Minimization in Autonomous Vehicles Using Ergonomic Path Planning with Cost Function Evaluation
• What Can User Typologies Tell Us about Carsickness Criticality in Future Mobility Systems

EDGE Research Reports

• Unsettled Topics in the General Aviation Autonomy Landscape
• Unsettled Issues Regarding the Commercialization of Autonomous Agricultural Vehicles

Professional Development

Managing Cybersecurity Risks Using ISO/SAE 21434 PD532013

Applying the new ISO/SAE 21434 Standard? This introductory course outlines the methods specified to assess cybersecurity risk to a road vehicle product in the context of ISO/SAE 21434.

Book Spotlight

SAE Books is proud to spotlight and support our outstanding women authors during International Women’s Month!
• Intersection: Reimagining the Future of Mobility Across Traditional Boundaries, Alisyn Malek
• Women Driven Mobility: Rethinking the Way the World Moves, Katelyn Shelby Davis & Kristin Shaw
• Flight Paths to Success: Career Insights from Women Leaders in Aerospace, Rhonda Walthall & Brenda Christiansen
• The Road Forward: More Conversations with Top Women in the Automotive Industry, Carla Bailo & Terry Barclay
• Doing the Heavy Lifting: Insights from Women Leading the Commercial Vehicle Industry, Joan Wills & Karen Ramsey-Idem
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:

- **Chat with the Expert - Women in Aerospace**, March 29 – 30: Join SAE Women in Member Connection and at the Live Chat.
- **Celebrate Women in Mobility**: Recognize and honor the women you have worked with and/or been inspired by.
- **Volunteer with SAE** – Opt into the Volunteer Pool, update your profile, or apply for an opportunity for a chance to win a Keurig K-Slim Coffee Maker, $50 Starbucks gift card, and an SAE mug.

Learn more about how SAE is responding to the coronavirus (COVID-19) pandemic.

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