

Move with SAE Mobilus[®]

Technical Resource Platform



Newly-added

You are receiving this email because you have access to an **SAE Mobilus subscription through your organization** or have signed-up for this monthly newsletter. The content of this email provides updates on **NEW SAE technical content** available on the SAE Mobilus Technical Resource Platform.

At SAE International, we take your privacy rights very seriously. Learn more about SAE International's [Privacy Policy](#). If you feel you received this communication in error, or you wish to unsubscribe, [click here](#).

The following is a summary of all publications added to the SAE Mobilus technical resource platform in October 2021. Click below and the SAE Mobilus search results for the content type selected will populate.

SAE Solutions

- [SAE Aerospace Standards](#) (53)
- [SAE Aerospace Material Specifications](#) (31)
- [SAE Ground Vehicle Standards](#) (23)
- [SAE Technical Papers](#) (119)
- **NEW** [2021 Top Downloaded Ground Vehicle Standards](#)
- [SAE Journal Articles](#) (34)
- [SAE EDGE Research Reports](#) (3)
- [SAE Books](#)
- [SAE Magazine Articles](#) (13)

Additional SAE Solutions:

- [Move with SAE Mobilus Webinar Series](#)
- [SAE Professional Development](#)
- [SAE Events](#)
- [SAE Membership & Community Engagement](#)

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. To sign-up and receive all future monthly Newsletters, register [HERE](#).



Webinar Series

Wednesday, November 17, 2021 | 11 a.m. EST

Meet the Editor-in-Chief: [SAE International Journal of Commercial Vehicles](#) Corina Sandu, Ph.D., Professor of Mechanical Engineering at Virginia Tech.

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

[View the Past Guest Speaker Collection](#)

[Save My Seat](#)



Aerospace Standards & Aerospace Material Specifications

- [AS9018 - Aerospace - Customer Identified Major Quality Management System Nonconformity Other Party Collaborative Corrective Action Process](#)
- [ARP6073 - Webbing Service Life for Occupant Restraints](#)
- [ARP6170 - Ice Melting Test Method for AMS1431 and AMS1435 Runway Deicing/Anti-Icing Products](#)
- [AS6060A - JAUS Environment Sensing Service Set](#)
- [AMS7010A - Laser Directed Energy Deposition Additive Manufacturing Process \(L-DED\)](#)

[View All](#)



Ground Vehicle Standards

- [J1939DA_202110 - J1939 Digital Annex](#)
- [J661_202110 - Brake Lining Quality Test Procedure](#)
- [J2602-1_202110 - LIN Network for Vehicle Applications](#)
- [J2602-2_202110 - LIN Network for Vehicle Applications Conformance Test](#)
- [J2602-3_202110 - File Structures for a Node Capability File \(NCF\) and LIN Description File](#)

[View All](#)

NEW 2021 Top Downloaded Ground Vehicle Standards

- [J1939/73 202006 - Application Layer - Diagnostics](#)
- [J3016 202104 - Taxonomy and Definitions for Terms Related to Driving Automation Systems for On-Road Motor Vehicles](#)
- [J1939DA 202103 - J1939 Digital Annex](#)
- [J517 202007 - Hydraulic Hose](#)
- [J1772 201710 - SAE Electric Vehicle and Plug in Hybrid Electric Vehicle Conductive Charge Coupler](#)



Technical Papers

- [2021-01-1298 - The Influence of Wheel Rotations to the Lateral Runout of a Hybrid Material or Dimensionally Reduced Wheel Bearing Flange](#)
- [2021-01-1285 - Development of a Modeling Approach to Numerically Predict Filtration Efficiencies of Brake Dust Particle Filters](#)
- [2021-01-1301 - Investigations on the Deposition Behaviour of Brake Wear Particles on the Wheel Surface](#)
- [2021-01-5095 - A New Approach to Describe Thermal Aging of Automotive Catalysts Containing Precious Metal Alloys](#)
- [2021-28-0231 - Battery Heat Load Estimation and Modeling its Thermal Management Using Air Conditioning Cooling System of an Electric Vehicle](#)

[View All](#)



Journal Articles

- [13-03-01-0004 - Machine Learning-Based Eco-Approach and Departure: Real-Time Trajectory Optimization at Connected Signalized Intersections](#)
- [12-04-04-0027 - Surveying Off-Board and Extravehicular Monitoring and Progress Towards Pervasive Diagnostics](#)
- [13-03-01-0001 - Optimizing Transportation Efficiency: From Exploiting Environmental Conditions to Urban Platooning](#)
- [14-11-02-0013 - Hybrid Electric Vehicle Powertrain Control Based on Reinforcement Learning](#)

- [14-11-02-0016 - A Method for the Estimation of Cooling System and Driving Performance for Fuel Cell Vehicles Based on Customer Fleet Data](#)

[View All](#)



EDGE Research Reports

- [Unsettled Economic, Environmental, and Health Issues of Ammonia for Automotive Applications](#)
- [Unsettled Aspects of Insourcing and Outsourcing Additive Manufacturing](#)
- [Unsettled Issues Regarding First- and Last-mile Transport](#)

[View All](#)



Professional Development

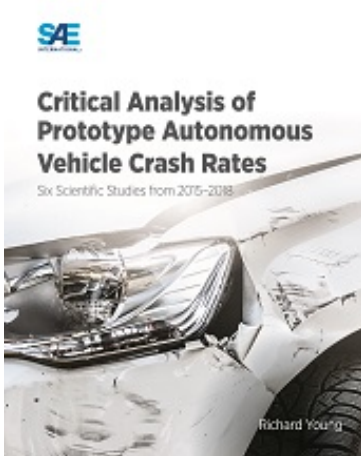
Robotics for Autonomous Vehicle Systems Bootcamp | C2012

The Robotics for AV Systems Bootcamp was developed by SAE International and Clemson University, with industry guidance from Argo AI. This rigorous, twelve-week, virtual-only experience is conducted by leading experts in industry and academia.

[Lean More](#)



Book Spotlight



[Critical Analysis of Prototype Autonomous Vehicle Crash Rates: Six Scientific Studies from 2015–2018](#)

Will Automated Vehicles be Safer than Conventional Vehicles?

One of the critically important questions that has emerged about advanced technologies in transportation is how to test the actual effects of these advanced systems on safety, particularly how to evaluate the safety of highly automated driving systems. Richard Young's *Critical Analysis of Prototype Autonomous Vehicle Crash Rates* does a deep dive into these questions by reviewing and then critically analyzing the first six scientific studies of AV crash rates.

[Read More](#)



Events

- [2021 Urban Ground Mobility Digital Summit | December 2-3rd, 2021 | Online](#)
Whether you're a decision-maker, a planner, or an engineer, UGM is where you'll get everything you need to form partnerships, advance policy and keep pace with the needs of tomorrow's urban communities.
- [2021 ADAS to Automated Driving Digital Summit | December 7-8th, 2021 | Online](#)
The US NHTSA's goal of zero auto fatalities is pushing the auto industry to move towards additional Advanced Driver Assist Systems (ADAS) with the penultimate goal of fully Automated Driving.

[View All](#)



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 Mixer](#) – Conflict Management, November 16 & 17: Join the discussion: is conflict always negative? How do you attempt to resolve conflicts?
- [Resume and Career Chat volunteers needed](#), December 8 & 9: Volunteer to review resumes and answer career-related questions from professional and student members.

[Learn More](#)

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

We believe you will benefit from this information, but if you would like to be removed from future SAE email communications, [click here to maintain your preferences](#).

For details on our commitment to privacy, please read our [Privacy Policy](#).

SAE International | 400 Commonwealth Drive | Warrendale, PA 15096 USA | [Contact Us](#)

CONNECT WITH US

