



## Newly-added

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## Webinar Series

**Wednesday, October, 20, 2021 | 11 a.m. EST**

Meet an Expert – Urban Air Mobility, Featuring Anna Dietrich, Director of Industry & Strategy at Community Air Mobility Initiative (CAMI)

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## Aerospace Standards & Aerospace Material Specifications

- [ARP8616 - Balancing Machine Technology - Proper Use and Performance of Response Checks](#)
- [AS7766 – Terms Used in Aerospace Metals Specifications](#)
- [SAE1007 – Standard Practice for Habitability](#)
- [ARP9114B – Direct Ship Guidance for Aerospace Companies](#)
- [AMSSTD595A A2 – Colors Used in Government Procurement](#)

**NEW** 2021 Top Downloaded Aerospace Standards and Aerospace Materials Specifications

- [AMS2750F - Pyrometry](#)
- [AMS5643V - Steel, Corrosion-Resistant, Bars, Wire, Forgings, Mechanical Tubing, and Rings 16Cr-4.0Ni-0.30Cb \(Cb\) - 4.0Cu Solution Heat Treated, Precipitation Hardenable](#)
- [AMS4928W - Titanium Alloy Bars, Wire, Forgings, Rings, and Drawn Shapes 6Al - 4V Annealed](#)
- [AS145R - Identification Marking Methods](#)
- [AS9100D-Quality Management Systems - Requirements for Aviation, Space, and Defense Organizations](#)

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## Ground Vehicle Standards

- [J1939/1 202109 - On-Highway Equipment Control and Communication Network](#)
- [J1752/2 202109 - Electromagnetic Compatibility Measurement Procedures for Integrated Circuits - Integrated Circuit EMC Measurement Procedures - General and Definitions](#)
- [J323 202109 - Test Method for Determining Cold Cracking of Flexible Plastic Materials](#)
- [J1939/21 202109 - Data Link Layer](#)
- [J2603 202109 - Recommended Practice for Powered Gas Brake Control Systems](#)

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## Technical Papers

- [2021-01-5089 - Localization Method for Autonomous Vehicles with Sensor Fusion Using Extended and Unscented Kalman Filters](#)
- [2021-28-0117 - Smart Control Logic of Battery Cooling System for Electric Vehicles \(EVs\)](#)
- [2021-28-0118 - Numerical study of Thermal management of lithium-ion battery pack using liquid cooling](#)
- [2021-26-0133 - Active Thermal Management of High-Power LED Array](#)
- [2021-26-0144 - Hurdles and Solutions towards Improving the Charging Experience](#)

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## Journal Articles

- [13-02-02-0010 - Advantages of Simultaneous In Situ Multispecies Detection for Portable Emission Measurement Applications - \*Open Access!\*](#)
- [13-02-02-0014 - Application of Topology Optimization to Reduce Automotive Exhaust Emissions](#)
- [13-02-02-0011 - Willans Line-Based Equivalent Consumption Minimization Strategy for Charge-Sustaining Hybrid Electric Vehicle](#)

- [02-14-03-0033 - Sensitivity Analysis of Reinforcement Learning-Based Hybrid Electric Vehicle Powertrain Control](#)
- [13-03-01-0002 - Fuel Cell Electric Vehicles: A Platinum and Other Raw Material Perspective Based on Vehicle Design and Technology Data from a Major Car Manufacturer](#)

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## EDGE Research Reports

- [Unsettled Topics Concerning Airport Cybersecurity Standards and Regulation](#)
- [Unsettled Issues Regarding Power Options for Decarbonized Commercial Vehicles](#)
- [Unsettled Legal Issues Facing Data in Autonomous, Connected, Electric, and Shared Vehicles](#)

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## Professional Development

### **ARP4761: Safety Assessment Process for Civil Airborne Systems | C2019**

This course will cover the guidelines and methods for performing safety assessments called out in the ARP4761, reviewing recommended practices associated with compliance and aircraft certification requirements.

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## Book Spotlight



### ***The Design of Aircraft Landing Gear***

written by R. Kyle Schmidt, PE

Designed to guide the reader through the key principles of landing system design and to provide additional references when available. 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.

[Read More](#)



## Events

- [Thermal Management Systems Digital Summit](#)  
October 12-14, 2021 | Online & On-Demand
- [Business of Automated Mobility Forum | BAM: Flight Path to UAM/AAM](#)  
November 2-3, 2021 | ONLINE

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