



Newly-added

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Webinar Series

January 18, 2023 | 11 a.m. EDT

Meet the Experts: **Andy Wallington**, Boeing Enterprise Safety & Mission Assurance | BCA Design Safety CORE; **Robert Voros**, System Safety Manager at Merlin Labs & **Cory Laffin**, Engineering Development Assurance/System Safety Process Development at Textron Aviation
Log in for a LIVE interview to learn more about:

- the S-18 Aircraft & Systems Development
- the Safety Assessment Committee
- the Twin Pillars of Aviation: ARP4754 & ARP4761

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Aerospace Standards & Aerospace Material Specifications

Aerospace Standards and Aerospace Materials Specifications [33]

- [Aerospace Series - Certificate of Conformity Requirements](#)
- [SLEEVING, IDENTIFICATION, HEAT SHRINKABLE, 125 °C AND 135 °C, POLYOLEFIN, FLEXIBLE, CROSSLINKED](#)
- [Micropitting of Bearings and Gears in Aviation](#)
- [Nickel Alloy, Brazing Filler Metal 94Ni - 3.5Si - 1.8B 1800 °F \(982 °C\) Solidus, 1950 °F \(1066 °C\) Liquidus](#)
- [Nickel Alloy, Corrosion- and Heat-Resistant, Wire 74Ni - 15.5Cr - 8.0Fe Annealed](#)
- [Steel, Corrosion-Resistant, Welding Wire 16.4Cr - 4.8Ni - 0.22Cb\(Nb\) - 3.6Cu](#)

[Winter 2022 Aerospace Standards Newsletter](#)

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Ground Vehicle Standards

Ground Vehicle Standards [17]

- [OBD Traceability Matrix](#)
- [Voltage Regulation and Limits](#)
- [Wireless Power Transfer for Heavy-Duty Electric Vehicles](#)

[Winter 2022 Ground Vehicle Standards Newsletter](#)

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Technical Papers

Technical Papers [135]

- [Optimization of Machining Parameters in Turning of Hastelloy C-276 by Considering Machinability and Chip Morphology Characteristics](#)
- [Fighter Aircraft Cabin Temperature Control by Variable Time-Delay in Loop with Control Input Normalization](#)
- [The Implementation of Automotive Ethernet Based General Inter-Process Communication of Smart Cockpit](#)
- [Development of Detailed Model and Simplified Model of Lithium-Ion Battery Module under Mechanical Abuse](#)

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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.

- [Continuous Transition Transmission – Preliminary Tests](#)

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Journal Articles

Journal Articles [37]

- [Investigation of Water Droplet Size Distribution in Conventional and Sustainable Aviation Turbine Fuels](#)
- [Improving the Engine Lubrication and Friction with Spherical Dimples of Partial Textures Optimized on Crankpin Bearing Surface](#)
- [Drive Right: Autonomous Vehicle Education through an Integrated Simulation Platform](#)
- [Co-Simulation Platform for Modeling and Evaluating Connected and Automated Vehicles and Human Behavior in Mixed Traffic](#)

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EDGE Research Reports

EDGE Research Reports [3]

- [Electric Vehicle Recharge Time, Reliability, and Interoperability](#)
- [Automated Vehicles and Infrastructure Enablers: Electrification](#)
- [The Role of Graphene in Achieving e-Mobility in Aerospace Applications](#)

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Professional Development

[AS13003 Measurement System Analysis \(MSA\) Requirements for Aerospace Engine Supplier Quality C1878](#)

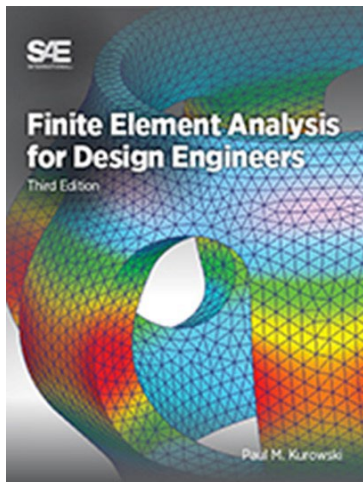
Live Online

This course will provide common requirements for applying appropriate measurements system analysis tools.

[Lean More](#)



Book Spotlight

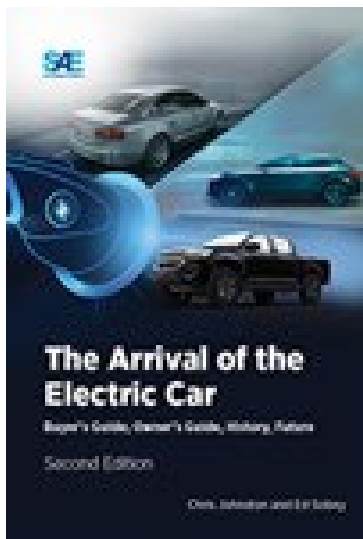


[*Finite Element Analysis for Design Engineers*](#)

Paul M. Kurowski

Finite Element Analysis for Design Engineers serves as a guide for FEA as a design tool and addresses the specific needs of design

[Read It!](#)



[*The Arrival of the Electric Car*](#)

Chris Johnston & Ed Sobey

This book is a comprehensive, easy-to-understand overview of the passenger EV universe including guides for buying and owning an electric car.

[Read It!](#)



Events

[Aerotech](#)

March 14-16, 2023 | Fort Worth, TX

Join SAE at AeroTech to learn about industry endeavors and successes in sustainability, safety and security, automation, connectivity, smart manufacturing, digital transformation, additive manufacturing, materials, sustainment, supply chain, and much more!

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[Noise and Vibration Conference and Exhibition](#)

May 15-18, 2023 | Grand Rapids, MI

Join SAE and Noise-Con in NVC to learn the latest scientific discoveries and technological innovations that address noise and vibration challenges.

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