



Call for Papers and Presentations

AeroTech is the premier global aerospace technology conference and exhibition focused on and celebrating innovation in virtually every facet of modern aerospace and defense mobility, including platform, system, subsystem, component, and material research and development, engineering, manufacturing, assembly, test and validation, certification, integration, deployment, sustainment, safety, and sustainability.

Innovators and thought-leaders from the global aerospace community convene annually at AeroTech to share the latest advancements and achievements, technical knowledge and innovations, discuss challenges and practical solutions, discover new technologies and techniques, uncover trends and opportunities, network, and collaborate.

Harness this opportunity to demonstrate expertise and thought-leadership, present cutting-edge work, share solutions, collaborate, and network with engineers, executives, regulators, researchers, scientists, academia, and other decision makers from across the global aerospace ecosystem. A hybrid event, AeroTech provides the opportunity to share expertise and innovations in-person at the physical conference and remotely in the accompanying AeroTech Digital Summit.

Abstract submissions invited through September 21, 2022 on:

- **Advanced Air Mobility**
- **Aircraft Systems**
- **Business, Economics & Forecasting**
- **Defense**
- **Engineering**
- **Fastening, Assembly & Tooling**
- **Disruptive Technology**
- **Flight Sciences**
- **Manufacturing**
- **Materials**
- **Power, Thermal & Propulsion – including batteries, hydrogen**
- **Safety & Security**
- **Sustainment, Obsolescence & Supply Chain**

Important note: To present in the AeroTech technical program, speakers/presenters must register and pay a registration fee to attend AeroTech.

The Technical Program Participant registration rate is discounted from the full conference price in recognition and appreciation of your technical paper and presentation; no further discounts, reductions, or promotional codes can/will be granted. If unable to attend in person and pay the registration fee, choose the Written Only option when submitting your technical paper for peer-review and, if accepted, publication by SAE International.

Plan to participate at AeroTech: <http://www.sae.org/aerotech>

SUBMIT AN ABSTRACT TODAY

Each abstract must be submitted online to only ONE session. Offered papers shall not have been published previously. If paper is accepted, contributors will not release paper for publication elsewhere.

The following information is required during the online submission process:

1. Title of paper/presentation
2. Summary that states the objective of paper/presentation
3. Name of author and co-authors, plus all contact information
4. Selection of the most appropriate technical session

The following conditions/deadlines apply:

- Paper acceptance will be based on organizer-moderated peer review of review-ready manuscript.
- Author resources, useful in preparing your paper, are provided online at sae.org/participate/volunteer/author
- Abstract submissions due: **Sept. 21, 2022**
- Review Ready Manuscripts due to session organizers: **October 19, 2022**
- Peer-review feedback provided by: **November 9, 2022**
- Revised manuscripts due: **December 6, 2022**
- Final Manuscripts and copyright assignment due: **January 17, 2023**

Upon submission, you will receive an automatic reply via e-mail. If you do not receive a confirmation, please retry submission. Contact Heather.Smith@sae.org for help.

Presenters must register for AeroTech and pay the conference registration fee.

[Click to Submit
Abstract or Paper](#)

Advanced Air Mobility

- Certification
- Economics
- Engineering
- Integration
- Manufacturing & Supply Chain
- Public Acceptance
- Research & Development
- Testing

Aircraft Systems

- Automation & Artificial Intelligence
- Avionics & Flight Deck
- Connectivity & Communications
- Cybersecurity of Aircraft Systems
- Data
- Electronics & Systems – Cockpit & Cabin
- Embedded Computing
- Human Factors & Ergonomics
- Icing
- Infrastructure and Ground communications (CNSATN)
- Sensors & Electro-Optics
- Software & Airborne Electronic Hardware
- System Integration and Test

AeroFast Fastening, Assembly & Tooling

- Automated Drilling and Fastening Systems
- Advanced Portable Semi-Automated Drilling and Fastening Systems
- Assembly Methodologies & Advanced Assembly Fixtures and Tooling
- Composites Assembly and Fastening
- Composites/Heavy Drilling and Assembly
- Large Component Assembly, Sub-Assembly, Major Section Join and Final Assembly
- Robotic Applications in Drilling, Fastening, and Assembly
- Advancements in Drill Bit, Temporary and Permanent Fastening Technology

Business, Economics & Forecasting

- Education & Training
- Future Mobility/Advanced Air Mobility
- Government Programs & Policy
- Market Forecasts
- New Markets
- Program Management
- Standards & Accreditation as a Business Advantage
- Virtual Teaming/Working in a Virtual

Environment

Defense

Disruptive Technology

- Air Taxis, Flying Cars
- All-electric Aircraft
- Supersonic, Hypersonic Aircraft
- Space Vehicles, including Sub-orbital
- Unmanned and Autonomous Vehicles

Engineering

- AI Design Solutions
- Digital Enterprise, Digital Transformation
- Environmental Engineering Considerations
- Health Management
- MBSE Systems Engineering, including MBSE
- Modeling and Simulation
- System Optimization
- Testing, Validation, and Verification

Flight Sciences / Flight Engineering

- Aircraft Design
- Aerodynamics
- Computational Fluid Dynamics (CFD)

Manufacturing – Industry 4.0, Smart Manufacturing

- Additive Manufacturing
- Augmented / Virtual / Mixed Reality Applications in Manufacturing
- Automation & Robotics
- Design for Manufacturing
- Digital Transformation (Digital Twin/Digital Thread)
- Engine Manufacturing & Assembly
- Environment & Sustainability
- Human Factors & Ergonomics
- In-process Inspection & Control
- Lean Manufacturing & Six Sigma
- Manufacturing for Composite Applications
- Metals Machining & Forming
- Metrology & Quality
- Manufacturing Safety & Security
- Smart Factory/IIoT
- Supply Chain
- Surface Preparation and Applications (Chemical / Paint / Sealant)
- Tooling Development

Materials

- Additive Manufacturing Materials
- Coatings and Sealants
- Composites
- Environmental Sustainability & Recycling

- Graphene
- Material Qualification
- Metals
- Materials Development (Powder, Resin, Fiber)
- Nanomaterials
- New Materials

Power, Thermal & Propulsion

- Power Systems
- Thermal Management
- Propulsion

Safety & Security

- Certification & Airworthiness
- Cyber-Physical Security
- Development Assurance
- Education & Training
- Human Factors
- MBSE and Tools
- Safety Management System
- System Safety

Supply Chain, Obsolescence & Sustainment

- Supply Chain Resilience
- Obsolescence Management / End of Life (EOL)
- Sustainment of Platforms, Systems & Programs
- Product Lifecycle Management & Enterprise Resource Planning

Environment & Sustainable Aviation (Sustainability)

- Sustainable design
- Sustainable manufacturing
- Alternative Fuels & Renewable Energy
- Power, Thermal & Propulsion
- Standards, Regulations & Certification

Multimodal Mobility (air, ground, rail, smart city/infrastructure)

- Vehicles, Systems, Subsystems & Components
- Engineering & Manufacturing
- Integration & Infrastructure
- Standards & Certification
- Testing & Validation

IDEAL (Inclusion, Diversity, Equity, Accessibility & Leadership)

- Supporting Women in Engineering & Emerging Technologies
- Inclusion, Diversity, Equity & Accessibility
- Leadership
- Rising Stars / Next Generation of Engineering Leaders
- STEM



Dear Industry Colleague,

You are invited to share your knowledge and expertise with the global aerospace & defense technical community at the annual AeroTech® conference and exhibition.

SAE International and industry peers on the AeroTech organizing committee invite your participation. Please consider joining us by harnessing the opportunities below.

Submit a technical paper or presentation for potential inclusion in AeroTech's Technical Program. Demonstrate your thought-leadership by: sharing new approaches and successes, updating industry on current work and projects, offering guidance and potential solutions to pressing challenges, imparting lessons learned and best practices, and/or convey cutting-edge research, development, and process or technology innovations. Get started simply by submitting a title and brief abstract (250 words) online.

Join an AeroTech Technical Committee specific to your area of expertise. Take advantage of this unique opportunity: Join industry peers who are volunteering their time and shaping the AeroTech conference and larger industry, keeping pace with advances and learning about the latest innovations first, convening and contributing to the global aerospace & defense community, boosting information-sharing and collaboration across the mobility ecosystem, networking with industry thought-leaders and innovators, and leaving a lasting legacy. It doesn't require too much time; each committee meets monthly for roughly 30 minutes (attendance is appreciated but not required).

Save the date and plan to attend AeroTech 2023 on March 14–16, 2023 at the Fort Worth Convention Center in Fort Worth, Texas.

We hope you'll please join us, and we welcome you to share this information and invitation with your industry colleagues and peers. Please contact us anytime!

Sincerely,

Courtney Howard, Content Developer
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Heather Smith, Content Administrator
Heather.Smith@sae.org

on behalf of the entire AeroTech Team, including SAE staff and volunteers from across the global aerospace and defense community

A blue decorative bar with a gradient, starting as a solid blue rectangle on the left and tapering to a point on the right.

Build your brand at AeroTech

Interested in sponsoring and/or exhibiting at AeroTech?

Please contact Eddie Pail (+1 724-772-4204, Eddie.Pail@sae.org), who will be happy to discuss your goals and help build a custom package designed to help meet them.