



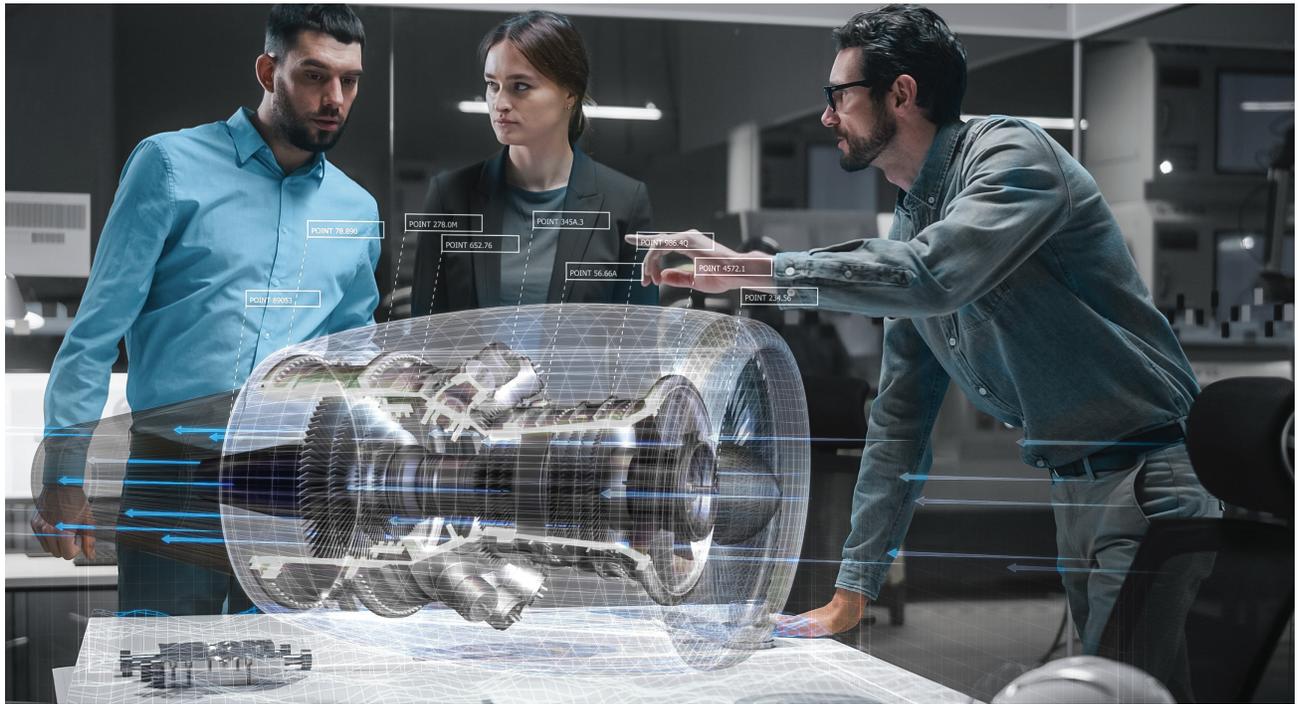
Mobility, Advanced™



Enabling Sustainable Aviation

Through Global Collaboration and Technology Integration

Safety | Electrification | Alternative Fuels | Lightweight Materials



Who We Are

Enabling sustainable aviation is not just about switching technologies. It's about creating entire ecosystems supporting the user's safety, strengthening the supply chain, and collaborating across industry, government, and academia.

Our rich body of work in developing standards and technical research, training programs, and engineering events has given SAE International® the experience to understand what's needed to scale solutions — quickly and with industry-wide support. We are working at the highest-level across

the world on safety, sustainable renewable energy, and new lightweight materials.

Our solutions involve recognizing the potential in every idea, spotting those that show promise, and using our currency of trust to develop a range of supporting products — consensus-based standards, publications, and professional development programs — to create a unified platform for growth.

Connecting & Educating Mobility Professionals

As a global organization of more than 128,000 engineers, SAE is the leader in connecting and educating mobility professionals to enable safe, clean, and accessible mobility solutions in the aerospace, automotive, and commercial vehicle industries.

As technologies evolve and processes change, SAE is committed to the global standardization of those processes and technologies. Visit sae.org to learn how to get involved in standards committees, browse expert-led training courses, and explore the wide range of engineering events.

Network with Industry Leaders

- AeroTech Conference & Exhibition
- AeroTech Government & Industry
- Noise and Vibration Conference and Exhibition
- DoD Maintenance Symposium

Build the Workforce

- Industry-leading professional development
- Early developmental training programs from Pre-K through University
- STEM hands-on learning experiences



Participate in Standards Development

- Over 200 committees and working groups in aerospace
- Experts represent industry, government & regulation, and research

Access Technical Resources

- Technical Standards
- Material Specifications
- Recommended Practices
- Publications
- eLearning

More than **7,800** Aerospace and AMS Standards

Continually updated with dynamic redlining. Mobility engineers depend on our authoritative standards. Standards are available through subscriptions specific to your needs.

saemobilus.sae.org

SAE AIR6127™ Report
Managing Higher Voltages in
Aerospace Electrical Systems

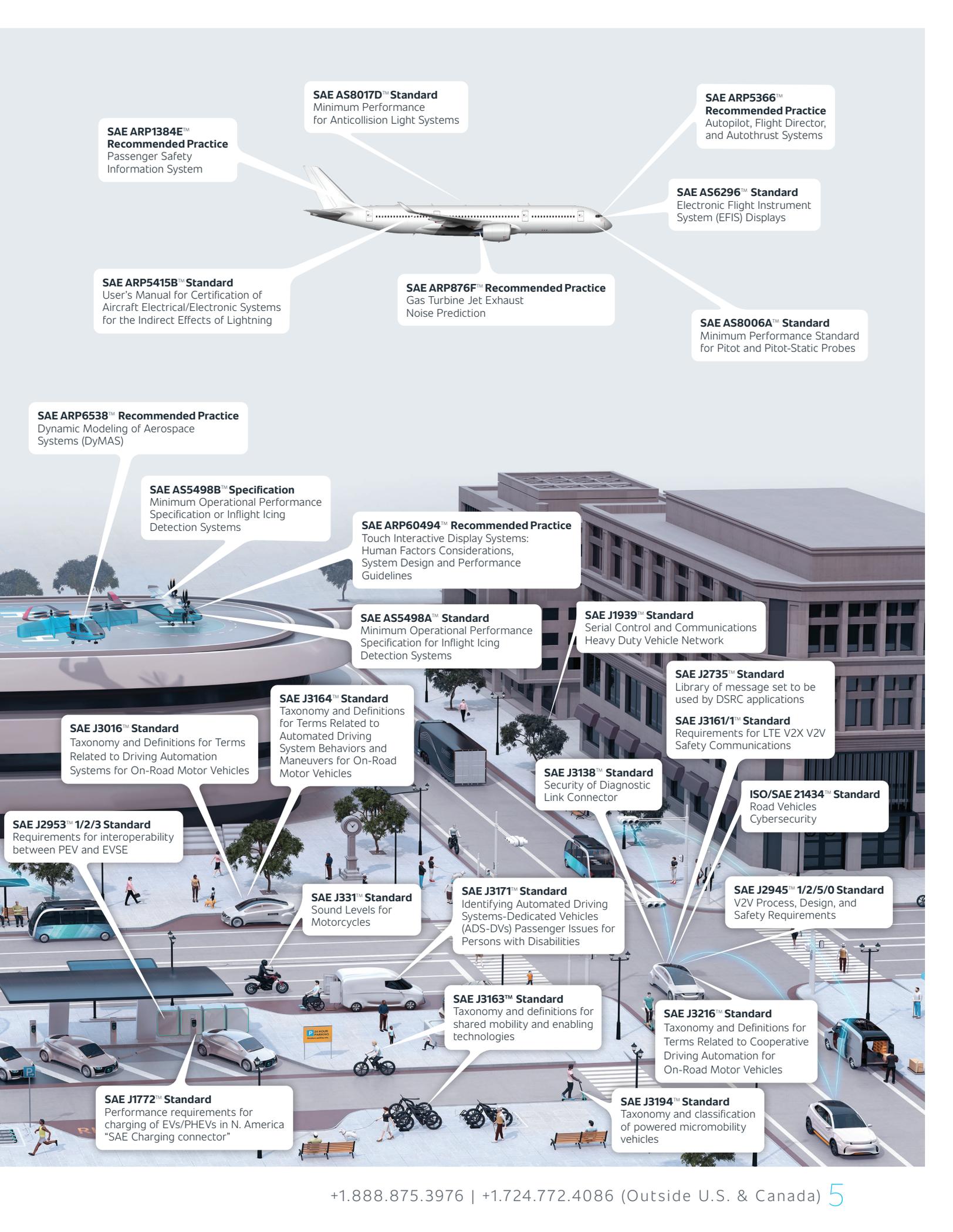
SAE AIR5909A™ Report
Prognostic Metrics for Engine
Health Management Systems

SAE ARP5724™ Recommended Practice
Testing of Electromechanical
Actuators, General Guidelines

SAE AS6522A™ Standard
Unmanned Systems (UxS) Control
Segment (UCS) Architecture:
Architecture Technical Governance

SAE AS8049D™ STANDARD
Performance Standard for
Seats in Civil Rotorcraft,
Transport Aircraft, and General
Aviation Aircraft

AMS6562™
Medium Temperature, Out-of-
Autoclave, Oven-Vacuum-Bag
Cure Epoxy Resin Impregnated
Fiber Reinforced Composite
Materials



SAE ARP1384E™ Recommended Practice
Passenger Safety Information System

SAE AS8017D™ Standard
Minimum Performance for Anticollision Light Systems

SAE ARP5366™ Recommended Practice
Autopilot, Flight Director, and Autothrust Systems

SAE ARP5415B™ Standard
User's Manual for Certification of Aircraft Electrical/Electronic Systems for the Indirect Effects of Lightning

SAE ARP876F™ Recommended Practice
Gas Turbine Jet Exhaust Noise Prediction

SAE AS6296™ Standard
Electronic Flight Instrument System (EFIS) Displays

SAE AS8006A™ Standard
Minimum Performance Standard for Pitot and Pitot-Static Probes

SAE ARP6538™ Recommended Practice
Dynamic Modeling of Aerospace Systems (DyMAS)

SAE AS5498B™ Specification
Minimum Operational Performance Specification or Inflight Icing Detection Systems

SAE ARP60494™ Recommended Practice
Touch Interactive Display Systems: Human Factors Considerations, System Design and Performance Guidelines

SAE AS5498A™ Standard
Minimum Operational Performance Specification for Inflight Icing Detection Systems

SAE J1939™ Standard
Serial Control and Communications Heavy Duty Vehicle Network

SAE J2735™ Standard
Library of message set to be used by DSRC applications

SAE J3161/1™ Standard
Requirements for LTE V2X V2V Safety Communications

SAE J3016™ Standard
Taxonomy and Definitions for Terms Related to Driving Automation Systems for On-Road Motor Vehicles

SAE J3164™ Standard
Taxonomy and Definitions for Terms Related to Automated Driving System Behaviors and Maneuvers for On-Road Motor Vehicles

SAE J3138™ Standard
Security of Diagnostic Link Connector

ISO/SAE 21434™ Standard
Road Vehicles Cybersecurity

SAE J2953™ 1/2/3 Standard
Requirements for interoperability between PEV and EVSE

SAE J331™ Standard
Sound Levels for Motorcycles

SAE J3171™ Standard
Identifying Automated Driving Systems-Dedicated Vehicles (ADS-DVs) Passenger Issues for Persons with Disabilities

SAE J2945™ 1/2/5/0 Standard
V2V Process, Design, and Safety Requirements

SAE J1772™ Standard
Performance requirements for charging of EVs/PHEVs in N. America "SAE Charging connector"

SAE J3163™ Standard
Taxonomy and definitions for shared mobility and enabling technologies

SAE J3216™ Standard
Taxonomy and Definitions for Terms Related to Cooperative Driving Automation for On-Road Motor Vehicles

SAE J3194™ Standard
Taxonomy and classification of powered micromobility vehicles

Facilitate Safety & Reliability through Standards Development

SAE International is helping industry build the eco-system and advance technologies for sustainability, advance digital transformation, enable increased automation, and ensuring safety throughout. Participating on a standards committee offers you important benefits within the mobility industry:

- Networking with customers, suppliers, peers, and government agencies
- Professional development and leadership opportunities to grow your technical and leadership skills
- Exposure for your organization
- The ability to influence product design and industry direction

For more information on Standards Development, please contact

standards@sae.org

S-18 Aircraft and System Development and Safety Assessment Committee

Comprised of 700+ Members, the SAE S-18 Committee is active in the development of guidelines, including processes, methods and tools, to accomplish safety assessment of airplanes and related systems and equipment.

Sub-Committees include:

- S-18A Autonomy Working Group
- Operational Safety Assessment
- Single Events Effects
- S-18H Human Considerations for Safety Assessment Committee



Explore Committees and Task Groups on SAE StandardsWorks™

“SAE...have been really engaged with S-18 in particular to make sure that we have the right participants from the growing diversity of platforms and technologies that are out there so we make sure our standards can perpetuate into the future.”

Bob Voros | System Safety Lead at Merlin Labs

Support Your Team

Designed for mobility engineers, SAE Mobilus® technical resource platform delivers access to trusted, relevant standards, peer-reviewed technical publications, and professional instructor-led training. This unique tool is continually updated with both new content and enhanced features, as requested by engineers.

Explore the Full Collections on SAE Mobilus

Electrification



Safety



Alternative Fuels



Materials for Aerospace



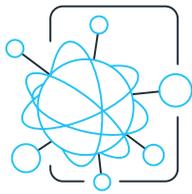
Our team will work with you to find the subscription that best suits your needs.

customersales@sae.org

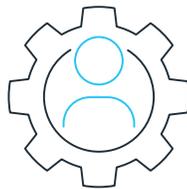
Build the Workforce

SAE provides the foundation for building a technologically superior workforce with our Professional Development programs, designed to fuel lifelong learning in aerospace. Developed and taught by more than 150 instructors from industry and academia, our nearly 100 courses address key technical drivers, technologies, regulations, and business/management topics – ensuring professionals stay ahead in this dynamic field.

sae.org/Learn



Cutting-Edge
Curriculums



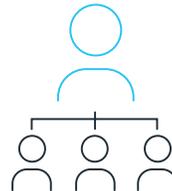
Hands-On
Learning



Progressive
Skill Development



Interactive
Sessions



Expert
Guidance



Additionally, explore pre-professional education through SAE's Collegiate Design Series that puts employers in touch with the brightest and most motivated university students. SAE Aero Design allows students to engage in regional competitions to design, build, and test radio-controlled aircraft. This hands-on challenge bridges classroom theory with real-world application, fostering invaluable skills in engineering and teamwork. Whether tackling Regular, Advanced, or Micro classes, each competition category offers distinct hurdles, preparing students for success.

sae.org/CollegePrograms

Network with Industry Leaders

SAE International's events put your products, technologies, and services in front of the widest possible audience, by bringing together visionaries and decision-makers from all areas of mobility.

Help guide the future of air travel at SAE Events, ranging from large-scale shows such as AeroTech® to niche gatherings such as the Aviation Technology Forums and AeroTech® Government/Industry. You'll collaborate with the people responsible for taking the aerospace industry to new heights.

Aerospace Technology Takes Center Stage

- Sustainability, Decarbonization & Circularity
- Automation, AI/ML & Uncrewed Aircraft Systems
- Advanced Manufacturing & Materials
- Digital Transformation, Digital Engineering & Data

Participate with Peers Worldwide

- Attend to grow your knowledge & network
- Present your latest work & innovations
- Publish a technical paper
- Volunteer on a technical committee
- Boost brand awareness with sponsorship and exhibit opportunities

Our team will work with you to develop an exhibit and/or sponsorship package customized to your unique goals. Contact the SAE event sales team to secure your partnership opportunity.

events@sae.org

“The biggest value in exhibiting is just the amount of networking, the amount of people that we can interact with increases because in this manner they are really coming to us rather than us approaching them. So that means you tend to interact with whole lot of different people and different subsystems.”

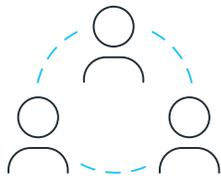
Mohit Hemnani | Lucid Motors

Become a Leader in Mobility Engineering

With your expertise, the mobility industry will continue to evolve and demonstrate leadership to the world. SAE provides a platform for experts like you to push boundaries and continue building the future by publishing your research.

Increase your professional visibility by sharing your research with engineers, designers, academics, and policy makers via SAE's global network across all segments of the automotive, commercial vehicles, and aerospace industries.

sae.org/PublishNow



Share Your Expertise with
Mobility Professionals



Strengthen Your Network
and Credibility



Define the Future
of Aerospace



“Typically, when you’re focusing on research, your idea is new. So, you want to get your ideas out as quickly as possible. SAE offers the perfect platform that not only offers efficiency in terms of publishing but also a wide reachability to the community so that our research can be exposed to the right people.”

Chengshi Wang | Sr. Software Engineer & Test Engineer at Mathworks

Stay at the Forefront of the Industry

Pushing the boundaries of the mobility industry doesn't happen by chance. It requires real-time access to the latest technical resources and leading industry experts coming together to address important societal challenges. Thanks to an extensive suite of member benefits and a global network of mobility professionals, SAE Members possess the tools to lead the future of mobility.

- SAE Members save up to 50% on SAE events, peer-reviewed technical publications, standards, and up to 10% on select professional development courses.
- Make an impact on the future of the industry, and your career, with exclusive professional mentoring and classroom volunteering with our K-12 STEM programs.
- Build your network and get technical questions answered in SAE Connexion+, SAE's online members-only professional mobility community.
- Join 128,000+ members in our community who rely on SAE to help shape mobility's future every day.

sae.org/Membership

Recognize Top Talent

SAE Awards recognize pathbreaking leadership, pioneering innovation, life-saving discoveries, and extraordinary achievements. They provide a powerful global platform to gain professional recognition and demonstrate societal impact.



- SAE International Award for Aerospace Innovation
- SAE International Award for an Influential Aerospace Executive Honoring the Wright Brothers
- SAE International Mobility Innovation Award for People with Disabilities Honoring Steven M. Atkins
- SAE International Sustainable Aviation Award Honoring Ramesh Agarwal

sae.org/Awards



“I really enjoy working with the S-18 committee helping to develop the standards in which I use in my day job. I also enjoy mentoring and bringing on younger engineers. It’s great to see my former mentees now have Chief Engineer positions. Overall, I enjoy being able to contribute to developing the aerospace standards and developing careers.”

Andy Wallington | Enterprise Safety Engineer, Boeing

Enable Sustainable Aviation through
Global Collaboration and Technology Integration

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