The 2022 AIAA AVIATION Forum delivered a robust experience for our community this year. It had been three long years since we gathered for an AIAA AVIATION Forum in person and it was great to be back together again. Your support of this event helps ensure we are working toward a more sustainable, safer, and smarter future for aeronautics.

With the relevant theme, “Challenging Times, Unique Opportunities,” the 2022 AIAA AVIATION Forum provided us with deep insights and expanded our knowledge across the Aeronautics Domain, as well as in many aspects of the Aerospace R&D Domain. We welcomed nearly 2,400 AIAA professional members, student members, and stakeholders in our community to engage in the week's activities.

At this current inflection point, aviation is emerging aggressively from the pandemic. The industry is embracing opportunities in the near term that will contribute to its enduring legacy of changing society and reshaping everyday life as we know it. In the next 5-10 years, many new capabilities will be introduced, and the next generation will experience flight in ways we are just imagining. To get there, we presented a program where our community considered how to tackle the challenges around our supply chain, discussed engineering for safety, heard how the industry is transforming systems to reach net-zero by 2050, and addressed recruiting and retaining top talent for our organizations.

The five days of high-profile speakers and panelists included our community's innovators, leaders, and policymakers addressing how we will turn setbacks into comebacks. Hundreds of authors presented the deep technical content in nearly 1,000 technical presentations, covering the latest innovations and progress on initiatives in their labs, in their wind tunnels, and on their tarmacs. We also welcomed back more than 30 exhibitors to the Exposition Hall to show off their innovations and ideas.

At AIAA, we are dedicated to ensuring collaboration and technical exchange continues in our community - it is paramount to overcoming challenges, achieving stability, and moving us toward the future. Your support of the successful 2022 AIAA AVIATION Forum provided our community with the opportunity for a powerful exchange of ideas that will continue to yield benefits for years to come.

Thank you,

Dan Dumbacher
Executive Director
American Institute of Aeronautics and Astronautics
AUDIENCE COMPOSITION

2,388 TOTAL ATTENDEES

IN PERSON 1,797 Attendees

ONLINE 591 Attendees

PERCENTAGE OF AIAA MEMBERS/NONMEMBERS

AIAA MEMBERS 61.1%

AIAA NONMEMBERS 38.8%

27.3% OF ATTENDEES WERE STUDENTS

TOP COMPANIES/EMPLOYERS REPRESENTED

NASA

Boeing

Lockheed Martin

AFRL

Northrop Grumman

39 Participating Countries

253 Colleges and Universities

13 Media
AUDIENCE DEMOGRAPHICS

BUILDING THE FUTURE: I am interested in tools and technology, and am eager to gain hands-on experience to solve problems or enhance my career.

CONNECTED TO COMMERCE: I am all about building strategic partnerships and connecting with fellow businesspeople and policy leaders.

GUARDIANS FOR LIFE: I have years of experience building aerospace programs that impact society, I am committed to investing in meaningful change.

NAVIGATING THE CLIMB: I have a long, ambitious career ahead of me, I am looking for a breadth of ideas, connections, and experiences that will launch me to the next level.

DRIVEN TO DISCOVER: I am a life-long learner and teacher, I enjoy exploring the intersection of science and technology and developing the next big ideas in aerospace.

INNOVATE FOR CHANGE: I am selling a product or service with significant impact on the aerospace economy.

AGE RANGE
- 18-24 yrs: 9%
- 25-34 yrs: 29%
- 35-44 yrs: 14%
- 45-54 yrs: 9%
- 55-64 yrs: 9%
- 65-74 yrs: 3%
- 75+ yrs: 1%
- No Response (other): 26%

CAREER LENGTH
- 0-1 yrs: 5%
- 2-5 yrs: 15%
- 6-10 yrs: 12%
- 11-20 yrs: 14%
- 21-40 yrs: 15%
- 41+ yrs: 5%
- Undergraduate Student: < 1%
- Graduate/Ph.D. Student: 9%
- No Response (other): 24%
ATTENDEE FEEDBACK

74% of attendees said the 2022 AIAA AVIATION Forum met or exceeded their expectations.

30% of attendees said learning about new products via exhibitors was very important to them.

“It was great having virtual access to presentations and the ability to interact with the presenters.”

“It was my first conference in over 2 years, and it was really good to be back together in person. AIAA has done a nice job in holding virtual or hybrid events to keep us all connected, but there’s a value to in-person connection that it was great to see again.”

“Thank you for this opportunity as a minority, I never met with professionals or saw myself working as one because I was always told being an engineer is a man’s job. As a Muslim woman, I feel confident that I belong here, this isn’t the last time you will see me!”

“It’s fantastic! I can’t wait for the next forum.”

“I attended through the diversity scholars program and coming from no resources and little help, this event was all I hoped for. An amazing experience for students just starting with their career.”
MEDIA

OUTREACH
NASA Announced its Sustainable Flight Demonstrator During 2022 AIAA AVIATION Forum

On 9 November 2021, the U.S. government published the United States Aviation Climate Action Plan, which describes a whole-of-government approach to put the sector on a path toward achieving net-zero emissions by 2050. Join us to discuss at #AIAAviation.

#ICYMI During the #AIAAviation Forum360 we announced something green: 🌿NASA.gov/press-release/... 🐚
We expect to select at least one industry partner in early 2023. Additionally, “We expect significant industry cost-share,” said Bob Pearce @NASAaero associate administrator.

One of the most daunting challenges facing the global aviation industry revolves around sustainability. Today at AIAAForum @NASAaero technology leadership will discuss several critical initiatives in its aviation sustainability strategy. Show this thread.

& that’s a wrap on #AIAAviation2022. 🎉
Podcast: Inside NASA’s Sustainable Flight Plan

Graham Warwick  Guy Norris  July 11, 2022

As NASA invites bids to build and fly its Sustainable Flight Demonstrator, technology editor Graham Warwick and senior editor Guy Norris hear how this aircraft will differ from the agency’s prior X-planes. They talked to Rich Wahls, NASA’s newly appointed Sustainable Flight National Partnership mission integration manager at the AIAA Aviation 2022 conference in Chicago.
SOCIAL MEDIA

**278.4K**
Impressions

**7,775**
Engagements

**379**
Tweets to #aiaaAviation

**2,336**
Link Clicks

**5,523**
Video Views

**+557**
Audience Growth

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**ATTENDEE RECAP**

Congratulations to Marilyn J. Smith, Georgia Institute of Technology, on receiving the 2022 AIAA Aerodynamics Award! This award recognizes contributions to the computational and theoretical aerodynamic analysis of static and dynamic systems with separated flows particularly for vertical takeoff and landing rotorcraft vehicles. #AIAAviation

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AIAA commends NASA on this important #sustainability initiative announced today at #AIAAviation. The #aerospace community needs to invest its talent and resources to achieve net-zero carbon emissions from #aviation by 2050.

NASA Aeronautics @NASAaero

Just wrapped up an awesome Paper Assignment Contest in the #aiaaAviation. The graphics! The award! 

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Join me, these incredible women in aerospace, and so many more live in Chicago or online virtually next week at the AIAA Aviation Forum!

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ICYMI: How’s what been happening at the AIAAAviation STUDIO? Linda O'Brien, Vice President and Chief Engineer of Lockheed Martin Aeronautics discussed #AI.
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HEXAGON

SMARTUP ENGINEERING

cadence

rescale
EXECUTIVE STEERING COMMITTEE

Ed Waggoner  
Aeronautics Research Mission Directorate, NASA  
(Forum General Chair)

“Siva”kumar Balasubramanian  
Spirit AeroSystems

Ming Chang  
AIAA Aeronautics Domain Lead

Ed Gerding  
Boeing Global Services

Jim Hileman  
FAA

Dimitri Mavris  
Georgia Institute of Technology

Linda O’Brien  
Lockheed Martin Aeronautics

Craig Wanke  
MITRE Corporation

FORUM TECHNICAL CHAIRS

Nash’at Ahmad  
NASA Langley Research Center  
(Forum Technical Chair, Aerospace Sciences Group)

Patrick Yee  
The Aerospace Corporation (Deputy Forum Technical Chair, Aerospace Sciences Group)

David Levy  
Sierra Nevada Corporation (Forum Technical Chair, Aircraft Technology, Integration, and Operations Group)

Dan DeLaurentis  
Purdue University (Deputy Forum Technical Chair, Aircraft Technology, Integration, and Operations Group)

Vincent Schultz  
NASA (Forum Technical Chair, Integration and Outreach Division)
THANK YOU!
SEE YOU NEXT YEAR!

AVIATION FORUM
12–16 JUNE 2023 | SAN DIEGO, CA & ONLINE

AIAA.ORG/AVIATION