Today’s Agenda

- Welcome [10 mins] Jane Hansen, Student Branch Committee Chair & RLC Director
- Overview of divisions / committees: Dan Jensen, READ Chief
- Outreach Areas [10 mins] Kristen Gerzina, RLC Committee Member & Region V DD Finance
  - Technical Committees
  - Integration & Outreach Committees
  - Young Professionals
  - Diversity & Inclusion
  - Public Policy
- Ballroom Networking with Outreach Leads [30 mins]
- Outreach Areas [10 mins] Kristen Gerzina, RLC Committee Member & Region V DD Finance
  - STEM K-12
  - Student Branches
  - Honors & Awards
  - Membership
- Ballroom Networking with Outreach Leads [30 mins]
- Wrap-Up [15 mins] Jane Hansen, Student Branch Committee Chair & RLC Director
Regional Engagement Activities Division

Overview of Divisions / Committees

Dan Jensen
READ Chief
Top level organizational structure

Council of Directors
- Regional Engagement Activities Division
- Integration and Outreach Division
- Technical Activities Division
  - Council Steering Committee
  - Council Nominating Committee
  - Council Innovation & Initiatives Committee
- Talent & Leadership Development Committee

Board of Trustees
- Executive Nominating
- Board-Directed Committees
  - Advisory Committees+
  - Fiduciary Committees*
  - Product & Service Committees+

*Defined in the Bylaws
+Can be a standing or temporary committee

Bottoms-up Member Input
(Member-driven committees)

Top-down Directed Activities
(Board-appointed committees)
Council of Directors

Speaker of the Council
Allen Arrington (2024)

Regional Engagement Activities Division
Chief: Dan Jensen (2023)
- Region I
  Director: Steve Bauer (2023)
- Region II
  Director: Kurt Polzin (2023)
- Region III
  Director: Peggy Cornell (2024)
- Region IV
  Director: Sarah Shull (2022)
- Region V
  Director: Rusty Powell (2022)
- Region VI
  Director: Oleg Yakimoto (2024)
- Region VII
  Director: Cees Bil (2023)

Integration and Outreach Division
Chief: Jeff Laube (2022)
- Aerospace Outreach Group
  Director: Tucker Hamilton (2022)
- Business & Management Group
  Director: Les Lake (2023)
- Integration Group
  Director: Peter Hartwich (2022)
- International Activities Group
  Director: Mary Snitch (2023)
- Young Professionals Group
  Director: Ashlee Youngpeters (2022)

Technical Activities Division
Chief: Jeff Hamstra (2023)
- Aerospace Design & Structures Group
  Director: Jeanette Domber (2024)
- Aerospace Sciences Group
  Director: Lesley Weitz (2024)
- Aircraft Technology Integration & Operations Group
  Director: Rick Mange (2023)
- Information Systems Group
  Director: Terry Morris (2022)
- Propulsion and Energy Group
  Director: Joaquin Castro (2022)
- Space and Missiles Group
  Director: Robbie Robertson (2023)

AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS | AIAA.ORG
Our Shared Goals

- Provide our members with an excellent membership value proposition.
- Deliver this value through local Section and Student Branch activities.
- Enrich our members and advance the profession.

Use the breadth and depth of AIAA to do this!
AIAA has many excellent groups, programs and initiatives to achieve our goals.

How these are “wired in” to the organizational structure varies (such as Divisions of the Council, Groups of a Division, Standing Committee of the Board of Trustees, Working Group, etc.) – but not important for our purpose today.

Take the opportunity today to learn something new – go to tables you know little or nothing about!

Use your new understanding and drive Section activities going forward.
Regional Engagement Activities Division

Technical Activities Committees
AIAA Technical Activities Overview

- **Technical Activities Division**
  - 1 of 3 AIAA Divisions (READ, IOD & TAD)
  - Primary technical discipline interface for the Institute
  - Lead by Chief, TAD
  - Organized by 6 Technical Groups to manage TC activity
  - Chief & Group Directors are members of AIAA’s Council of Directors

- **Technical Committees (TCs)**
  AIAA’s 71 TCs bring together experts from around the globe to:
  - Advance the technical body of knowledge in aeronautics and astronautics
  - Develop technical products, services, and publications
  - Recognize outstanding contributions to the aerospace profession
Exactly What Do TCs Do…?

- Manage Forum technical programming, session planning, and Calls for Papers.
- Sponsor Student Design Competitions & Best Paper Awards.
- Develop & conduct in-person workshops and continuing education offerings.
- Nominate, recommend and judge candidates for career achievement awards.

By engaging with the broader profession, TC members enhance their personal & professional experiences toward a more fulfilling career!
TAD POC: Jeff Hamstra, boardmember@aiaa.org
Staff Contact: Angie Lander, angiel@aiaa.org
AIAA Technical Committees Website:
https://www.aiaa.org/technical-committees
Regional Engagement Activities Division

Integration & Outreach Committees
IOD Overview

- Chaired by Chief, Integration and Outreach Division (IOD)
- Manages the Activities of the IOCs
  - Primary programmatic and societal interface for the Institute
  - Includes cross-cutting, technical integration committees
  - Organization of sessions, conferences, and workshops
  - Recognizing technical, programmatic and societal excellence via Awards
  - Sponsoring continuing education courses
  - Developing standards and position papers
  - Expanding AIAA professional offerings in addition to technical core competencies

*Works Together with READ and TAD to Provide the Best Products for our Members*
Integration & Outreach Committees (IOCs)

- Focused on the cross-discipline technical integration, programmatic and/or societal interface & outreach areas of interest of the Institute, which often spans more than one discipline in their scope.
- Committees are organized in five Groups
  - Aerospace Outreach Group
  - Business & Management Group
  - Integration Committees Group
  - Young Professional Group
  - International Activities Group
- IOC membership open to qualified AIAA Professional members.
## Integration and Outreach Division (2021-2022)

### AEROSPACE OUTREACH GROUP

- **Tucker Hamilton, Director**
- **Jeff Jepson, Deputy Director**

**History** – Kevin Burns

**Society and Aerospace Technology** – Amir Gohardani

**Women of Aeronautics and Astronautics** – Annika Rollock

### YOUNG PROFESSIONALS GROUP

- **Ashlee Youngpeters, Director**
- **Kaela Martin, Director-Elect**
- **Sam Alberts, Director Emeritus**

**Networking/Professional Development** – Tejas Puranik

**Membership & Awards** – Nathan Crane

**Communications/Engagement** – Bryan Kowalczyk

### INTEGRATION GROUP

- **Peter Hartwich, Director**
- **Tom McLaughlin, Deputy Director**

- Aerospace Traffic Management – Vince Schultz
- CFD Vision 2030 - Dimitri Mavriplis
- Digital Engineering – David Kepczynski
- **Airborne Directed Energy Systems** – Don Wittich
- Green Engineering – Kurt Papathakis
- Space Exploration – Surendra Sharma
- Supersonics – David Lazzara
- Transformational Flight – Doug Stanley
- Unmanned Systems – Mike Logan

### BUSINESS AND MANAGEMENT GROUP

- **Les Lake, Director**

- Economics – TBD
- Legal Aspects of Aeronautics and Astronautics – Michael Dodge
- Management – Raymond Flores

### INTERNATIONAL ACTIVITIES GROUP

- **Mary Snitch, Director**

- Aerospace Coalition Outreach – Ken Hodgkins
- Honors and Awards Development – Anthony Murfett
- Strategy & Implementation – Bob Winn

### FORUM POCs

- **Brent Pomeroy, AVIATION**
- **Vince Schultz, ASCEND**
- **Mujeeb Malik, SciTech**

### LAST MODIFIED: 15 July 2021

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**IOD LIAISONS**

**Council Innovation and Initiatives Committee (CIIC):**

- Tom McLaughlin, Member
- Les Lake, Member
- Vince Schultz, Member

**Honors and Awards:**

- **Suzanne Smith**

**Engineer of the Year:**

- Jeff Jepson
- Jonathan Cooper

**FORUM POCs**

- Brent Pomeroy, AVIATION
- Vince Schultz, ASCEND
- Mujeeb Malik, SciTech
Section IOC Resources / For More Info

- IOD POC: Jeff Laube laube.jeff@gmail.com
- Staff Contact: Angie Lander AngieL@aiaa.org
- For more information: AIAA IOD Website:
  - https://www.aiaa.org/get-involved/committees-groups/Integration-and-Outreach-Division-Committees
- IOD Website / Engage site:
  - https://engage.aiaa.org/aiaa-iod/home
Young Professionals Group (YPG)

- Young Professional (YP): AIAA professional member age 35 and under.
- YPG, a group within the Integration and Outreach Division (IOD).
  - Publishes the Young Professional Newsletter quarterly through Engage
  - Hosts Young Professional Networking Events
    - ‘Rising Leaders in Aerospace’ at AIAA Forums
  - Sponsor and select Lawrence Sperry Award for Outstanding YPs
  - Provide awareness to Associate YP Technical Committee and Standing Committee memberships
- Collaborates with Regional Young Professional Deputy Directors to promote events and share ideas.
- Young Professional Membership
  - Student to Professional membership transition (reduced membership fees)
Section YP Resources / For More Info

- YPG Director: Ashlee Youngpeters – aiaaypgroup@gmail.com
- For more information: Young Professionals | AIAA
  - https://www.aiaa.org/get-involved/committees-groups/young-professionals
- YP Website / Engage site: Young Professionals: Public Forum - INTEGRATION AND OUTREACH DIVISION (aiaa.org)
- Facebook group: AIAA Young Professionals
- Twitter: @AIAAYoungProf
Regional Engagement Activities Division

Diversity & Inclusion
The Diversity Working Group, an AIAA Board Advisory Committee, was created with the aim to encourage participation and collaboration across all genders, ethnicities, and races to enhance our representation of the entire industry:

- Diversity Scholars Program
- Diversity Award
- Local Section Grants

AIAA Diversity Plan 2021-2023:

Diversity Working Group Org Chart

AIAA Board Advisory Committees

Diversity Working Group

- Outreach
- Leadership
- Programming
- Recognition

Region Directors

Section Chairs / D&I Officers

Developing D&I Component to Section Annual Report
D&I Outreach POC: Joe Connolly
  - joseph.w.connolly@nasa.gov
Diversity Working Group Chair: Claudine Phaire
  - claudine.c.phaire@lmco.com
For more information: AIAA D&I Website:
  - https://www.aiaa.org/get-involved/committees-groups/Diversity-and-Inclusion
AIAA Diversity Month Membership Spotlights: Social Media
Public Policy
Public Policy Committee (PPC)

- Delivers extensive technical expertise and policy guidance to decision makers at the federal and state level.
  - The Institute serves as a reliable resource on a full spectrum of aerospace issues

- PPC, an AIAA Board Standing Committee, consists of four outcome based working groups responsible for:
  - Developing the Institute’s annual Key Issues
  - Organizing member-driven advocacy activities
    - Annual Congressional Visits Day (CVD) program
  - Providing policy related inputs for the Institute’s annual Forums
  - Arranging topical education sessions for congressional staff
    - One-on-one meetings
    - Policy papers and state fact sheets
  - Administering the PPC’s Honors & Awards
Public Policy Committee Flow Chart

Public Policy Committee

Region Public Policy Deputy Directors

Section Chairs / PP Officers
Section PP Resources / For More Info

- PPC Chair: Tim Dominick, timothy.Dominick@ngc.com
- AIAA Staff Contact: Steve Sidorek,
- For more information: AIAA Public Policy Website:
  - https://www.aiaa.org/advocacy
  - Guide for Sections: listed under ‘Related Content’
- Grassroots Engagement:
  - https://www.aiaa.org/advocacy/Grassroots-Engagement?SSO=Y
  - State Fact Sheets: listed here under ‘Grassroots Engagement’
Break: Networking for 30 minutes

- 10-minute, 3 rounds
- Nancy Andersen, Honors & Awards Committee
- Joe Connolly, Diversity & Inclusion Working Group
- Chris Crumbly, Public Policy Committee
- Jane Hansen, Student Branch Committee
- Angie Lander, Technical Activities Division
- Jeff Laube, Integration & Outreach Division
- Aldo Martinez, Membership
- Craig Merrett, K-12 STEM Committee
- Ashlee Youngpeters, Young Professionals Group
Outreach Area
Networking Discussion
Break – Out Table Leads

- **STEM K-12:** Craig Merrett, STEM K-12 Committee Chair
- **Student Branches:** Jane Hansen, Student Branch Committee Chair
- **Young Professionals:** Ashlee Youngpeters, Young Professional Group Director
- **Diversity & Inclusion:** Joe Connolly, D&I Working Group
- **Technical Committees:** Angie Lander, TAD Staff Liaison
- **Integration & Outreach Committees:** Jeff Laube, IOD Chief
- **Public Policy:** Chris Crumbly, Public Policy Committee, Chair-Select
- **Honors & Awards:** Nancy Anderson, Honors and Awards Committee
- **Membership:** Aldo Martinez, LA-LV Section Membership Officer
Possible Discussion Questions

- Best Practices: For a particular interest area – what practices / activities / strategies have worked well for your section? Why?
- Lessons Learned: For a particular interest area – what practices / activities / strategies haven’t worked well in the past? Why?
- How does can this particular interest area provide value to your current section members or be used to recruit and provide value to new section members?
- Who can you reach out to, post RLC, for event ideas, suggestions, information, etc. for a particular interest area?
- How can you get further involved or engaged with a particular interest area, committee, etc.
STEM K-12 Outreach
This Committee is established for the purpose of supporting K-12 STEM outreach programs that inspire the next generation of aerospace professionals.

- Develop programs for teachers and students that can be implemented by the Sections, branches and TCs
  - Aerospace Micro-Lessons
  - Diversity Initiatives
  - Engineers as Educators program
  - Educator Associates: AIAA associate membership for K-12 educators (free)

- Identify organizations for collaboration on STEM outreach activities.

- Maintain awareness of the K-12 STEM programs that are being implemented across the AIAA.
STEM K-12 Committee Flow Chart

- STEM K-12 Outreach Committee
- Region STEM K-12 Deputy Directors
- Section Chairs / STEM-K12 Officers
STEM K-12 POC: Craig Merrett – cmerrett@clarkson.edu
- Diversity WG: Robin Houston (houstonr742@gmail.com)
- Micro-Lessons WG: Gregory Forkin (gforkin@fintechllc.com)
- Community Engagement WG: Joseph Burns (Jburns054@comcast.net)
- Educator Associates Engagement WG: Geoffrey Andrews (geoffreymgandrews@gmail.com)

For more information: AIAA K-12 Teacher Resources
- https://www.aiaa.org/get-involved/students-educators/k-12-teacher-resources
Requests of Regions and Sections

- Let us know what you are doing in the STEM K-12 area
  - Present and future plans
- We’re here to help deliver STEM K-12 programs and initiatives, and share best practices across AIAA
- Each Region should have a representative on the Committee
  - Some Regions are currently missing
Regional Engagement Activities Division

Student Branches
Student Branch Committee (SBC)

- SBC, a committee within the Regional Engagement and Activities Division (READ)
  - Student Branch Support (develop programs and tools for student branches to use in creating a strong, sustainable branch)
    - Student Branch to Section Interaction (create content for interaction, help sections reach out to student branches and vice versa)
    - Student Branch Administration (by-laws, manuals, student briefing)
  - Student Branch Chartering (requirements, administration of chartering and de-chartering processes)
  - Student Outreach (providing support and mentorship to students not yet part of a student branch)
  - Faculty Advisor Award Selection (solicit nominations, review packages, and select award winner each year)
Student Activities Committee (SAC)

- SAC, operating under the AIAA Foundation, conducts educational outreach with university students to foster professional development and encourage interest in aerospace engineering and related professional.

- The objectives of the SAC are:
  - To execute world-class International Student Paper Conferences providing students with an introduction to AIAA paper and presentation as part of a forum.
    - Student Paper Competitions
  - To facilitate professional growth through well-developed design competitions.
    - Design, Build, Fly Competition
  - To support the educational and financial needs of aerospace students through scholarships and awards promoting their future motivation for and success in aerospace engineering.
SBC / SAC Flow Chart

- Student Branch Committee
- Student Activities Committee
- Student Branch Chairs / Advisors
- Region Education Deputy Directors
- Section Chairs / Student Branch Liaisons
Student Branch POC:
- Volunteer POC: Jane Hansen, hansen@hrpsystems.com
- Student Branch POC: Lindsay Mitchell, lindsaym@aiaa.org
- Student Program POC: Michael Lagana, michaell@aiaa.org

For more information: AIAA University Students:
- https://www.aiaa.org/get-involved/university-students

AIAA Student Branches:
- https://www.aiaa.org/get-involved/students-educators/Student-Branches
Honors & Awards Program

• Honors
  – Senior Member
  – Associate Fellows
  – Fellows
  – Honorary Fellows
  – Emeritus Memberships

• Awards
  – Premier Awards
  – Premier Lectures
  – Technical Excellence Awards
  – Publication Awards
  – Service Awards
In Honoring Others – We Honor Ourselves!

AIAA is honored to honor you—the very best! A primary goal of the Institute is to recognize those who are making earthshaking achievements that make us stand up from our seats and cheer.

For over 80 years, AIAA has been committed to ensuring that aerospace professionals are recognized and celebrated for their achievements, innovations, and discoveries that make the world safer, more connected, more accessible, and more prosperous. From the major missions that reimagine how our nation utilizes air and space to the inventive new applications that enhance everyday living, aerospace professionals leverage their knowledge for the benefit of society. AIAA continues to celebrate that pioneering spirit showcasing the very best in the aerospace industry.

https://www.aiaa.org/get-involved/honors-awards
HONORS Program

Senior Member

Senior Members are individuals who have demonstrated successful professional practice in the arts, sciences, or technology of aeronautics or astronautics for the equivalent of at least eight years.

- Processed Monthly
  - Automatic Upgrade when Member reaches 8 continuous membership years
  - Submit online application – requires endorsement of (2) Senior Members or higher grade
- New Senior Member receives email, with copy to nominator
- Currently, over 10,000 Senior Members
- Program managed by Monique Alabi
HONORS Program

**Associate Fellow**

Associate Fellows shall be persons who have accomplished or been in charge of important engineering or scientific work, or who have done original work of outstanding merit, or who have otherwise made outstanding contributions to the arts, sciences, or technology of aeronautics or astronautics.

- Maximum: 1 per 150 voting members (about 130 inductees/year)
- Frequency: Annual
  - Nominations due April 15 (open Feb 1) – submitted through Online Awards System
  - 3 Reference Forms due May 15
  - Nominations have a 2-year life span
- Competitive - Over 200 nominations received each year
  - Nominations should highlight accomplishments / contributions and impact – not a resume!
  - Criteria: Technical/Leadership (50%); AIAA/Other Aerospace Service (30%); Quality of References (20%)
- Announcement: mid-September
- Inducted at Associate Fellows Recognition Ceremony and Dinner at SciTech Forum in January
- Over 3,400 Associate Fellows
HONORS Program

Fellow

Fellows shall be persons of distinction in aeronautics or astronautics, and shall have made notable and valuable contributions to the arts, sciences, or technology thereof.

- Maximum: 1 per 125 active Associate Fellows (about 28 inductees/year)
- Frequency: Annual
  - Nominations due June 15 (open April 1) – submitted through Online Awards System
  - 4 Reference Forms due July 15
  - Nomination Packages have 2-year life span
- Competitive - Over 125 nominations received each year.
  - High % of nominations submitted from academia – encourage more from government / industry
  - Nominations should highlight accomplishments / contributions and impact – not a resume
  - Criteria: Technical/Leadership (60%); AIAA/Other Aerospace Service (20%); Quality of References (20%)
  - Announcement: February 1 (HAC endorsement/Board of Trustees approval)
- Formal Induction at Fellows Dinner Ceremony (invite only) and Aerospace Spotlight Award Gala in May
- Over 700 Fellows
Honorary Fellow

Honorary Fellows are persons of eminence in aeronautics or astronautics, recognized by a long and highly contributive career in the arts, sciences, or technology thereof.

- Maximum: No more than 4 nominees deemed most worthy are recommended to the Board for election each year (no more than 3 nominees from the same country)
- Frequency: Annual
  - Nominations due June 15 (open April 1) – submit word/pdf nominations and reference form
  - 5 Reference Forms due July 15
  - Nomination Packages have 3-year life span
- Competitive: Over 16 nominations received each year.
  - High % of nominations submitted from academia – encourage more from government / industry
  - Nominations should highlight accomplishments / contributions and impact – not a resume
  - Criteria: Ranking system
  - Announcement: February 1 (HAC endorsement/Board of Trustees approval)
- Formal Induction at Fellows Dinner (invite only) and Aerospace Spotlight Award Gala in May
- Over 70 Honorary Fellows
HONORS Program

Emeritus Members

Members who reached 50 years of continuous membership.

Member retain their member grade, but their “status” is Emeritus.

- AIAA Membership is now COMPLIMENTARY!
- Frequency: Annual
  - Mail letter, patch, certificate to the Emeritus Member
  - Regions and sections notified
- Over 60 AIAA members reach this anniversary each year
- 1300 “Emeritus Members”
- Program managed by Monique Alabi
AWARDS Program

Since inception of AIAA Honors and Awards Program, thousands of honorees have been recognized for meritorious achievements, technical contributions, committed service, section participation, and loyal membership.

Several Categories of Awards:

**Premier Awards**
AIAA's highest awards, presented at annual Aerospace Spotlight Awards Gala

- Daniel Guggenheim Medal
- Distinguished Service Award
- Goddard Astronautics Award
- International Cooperation Award
- Public Service Award
- Reed Aeronautics Award
- Engineer of the Year Award
- Lawrence Sperry Award
**AWARDS Program**

- **Technical Excellence Awards**
  Recognize significant achievement in specific technical fields of aerospace - Presented at AIAA Forums
  - Sponsored by TAD and IOD Committees
  - Significant changes approved by TAD Chief and HAC
  - Winners approved through Group Director, i.a.w. Award Charter and Judging Criteria
  - 70+ technical awards

- **Best Paper Awards**
  Recognize most innovative technical papers in aerospace design and structures, aerospace sciences, propulsion and energy, space and missiles, and other important areas - Presented at AIAA Forums
  - Organized through technical committees
  - 50+ Best Papers (professional and student best papers) and student competitions
AWARDS Program

• **Publication Awards**
  Recorders of aerospace science and technology are honored for their contributions
  Presented at AIAA Forums

• **Service Awards**
  AIAA members are recognized for dedication and participation in AIAA activities over years
  - Sustained Service Award (max 20/year), presented at a Forum or section event
  - Diversity and Inclusion Award

• **Section Awards** - Managed by Lindsay Mitchell
  Outstanding performance of sections or section members in areas such as communications
  and public policy are recognized

• **Partner Awards** (w/ASME, ASEE, SAE, VFS)
  AIAA partners with other societies to recognize professionals for their accomplishments
AWARDS Program

• Awards and Lectures Deadline:
  − February 1, July 1, and October 1

• Competitive:
  − Need minimum of 3 valid nominations to proceed with award review and selection

• Award Policy: Nominees/awardees may not receive more than one AIAA National award for same accomplishment or body of work. Nominating same person for multiple AIAA National awards during same nomination cycle is not allowed. Highly encouraged that AIAA Section or Regional award winners submit nomination for corresponding or appropriate National award. (Guideline applies to all awards) including awards where AIAA is a partner - does not apply to AIAA lectureships or AFs, Fs and HFs
  o Some awards recognize specific and recent accomplishments, while others recognize lifetime achievement. Nominators should distinguish new nominations from previous AIAA Award winners in either of these categories to ensure no overlap
  o Nominees for AIAA lectureships may be accepted for previous AIAA Award winners. Topic of lecture may cover similar or adjacent work, but should NOT be identical to that of previous AIAA Awards
Convey the Importance of Individual and Corporate Recognition

- Announce Upcoming Deadlines

Consider colleagues for recognition and serve as Nominator or Reference

Encourage Member Advancement and Award Recognition – identify nominators

Identify experienced nomination reviewers

Encourage Young Professional participation
HAC Chair: Laura McGill, lmcgill@sandia.gov
For more information: AIAA H&A Website:
https://www.aiaa.org/get-involved/honors-awards
AIAA Member Categories

Professional
You hold a science or engineering degree or equivalent professional qualifications.

Join  Learn More

Educator
You are a K-12 teacher of math, science, engineering or technology.

Join  Learn More

University Student
You’re a full-time university student with a concentration in aerospace.

Join  Learn More

High School Student
You’re interested in science, technology, engineering, or mathematics, while having a passion for aerospace

Join  Learn More

Corporate Member
You are a business that wants to successfully move forward in the aerospace industry.

Brochure  Learn More

Associate
You work or are interested in the aerospace industry.

Join  Learn More
Membership Benefits

- Member Discounts
  - Continuing Education
  - Forums
  - Publications
  - Subscriptions

- Student to Professional membership transition
Membership Resources

- Membership material / brochures
  - How do you recruit / retain members?
  - What are your available section resources?
- Monthly section membership reports: Engage
  - What is your section membership make-up?
- Email templates
  - Welcome
  - Student to Professional Transition
  - Retention
Membership Flow Chart

AIAA Foundation → Membership

Region Membership
Deputy Directors ⇄ Section Chairs / Membership Officers

Staff Liaison
Membership POC:
- List as many contacts as makes sense (if applicable)

For more information: AIAA Membership Website:
- [https://www.aiaa.org/membership](https://www.aiaa.org/membership)

Resources for sections can be found here
- Membership material (brochures)
- Email templates
Break: Networking for 30 minutes

• 10-minute, 3 rounds

• Nancy Andersen, Honors & Awards Committee
• Joe Connolly, Diversity & Inclusion Working Group
• Chris Crumbly, Public Policy Committee
• Jane Hansen, Student Branch Committee
• Angie Lander, Technical Activities Division
• Jeff Laube, Integration & Outreach Division
• Aldo Martinez, Membership
• Craig Merrett, K-12 STEM Committee
• Ashlee Youngpeters, Young Professionals Group
Possible Discussion Questions

- Best Practices: For a particular interest area – what practices / activities / strategies have worked well for your section? Why?
- Lessons Learned: For a particular interest area – what practices / activities / strategies haven’t worked well in the past? Why?
- How does can this particular interest area provide value to your current section members or be used to recruit and provide value to new section members?
- Who can you reach out to, post RLC, for event ideas, suggestions, information, etc. for a particular interest area?
- How can you get further involved or engaged with a particular interest area, committee, etc.
Outreach Areas

Wrap – up / Closing Comments
AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS
Regional Engagement Activities Division

Technical Activities

Committees

Back-up
Technical Activities Division

Jeff Hamstra, Lockheed Martin, Chief of TAD

Aerospace Design and Structures Group
Jeanette Domber, University of Michigan
10 Committees

Aerospace Sciences Group
Lesley Weitz, Raytheon Technologies
13 Committees

Aircraft Technology, Integration, and Operations Group
Rick Mange, Lockheed Martin
12 Committees

Information Systems Group
Terry Morris, NASA Langley
8 Committees

Propulsion and Energy Group
Joaquin Castro, Aerojet Rocketdyne
13 Committees

Space and Missiles Group
Lawrence Robertson, USAF Research Lab
15 Committees

Technical Integration Subcommittee
Meg Scheidt, GA Tech
How can you get involved in Technical Committees?

- **Review the TC list on the AIAA website**
  - If you know someone in your network who is an AIAA member, ask if they will nominate you for one of the TCs where you have expertise
  - Professors are one great resource for this

- **Attend AIAA conferences and meet committee members**
  - Ask more about the TCs they are involved in
  - Are they having a meeting you can sit in on during the conference and observe?

- **Participate in or help organize your school’s participation in a student design competition**
  - Student teams work under faculty advisor
  - Opportunity to get your name out into the community and meet people on responsible TCs
Membership Selection Schedule

08/01  TC member application period opens (aiaa.org)
11/01  Application period closes
01/31  Committee member selection complete and proposed rosters to Directors, and updated roster to AIAA Staff
05/01  TC membership term begins

*TC members typically serve for 3 consecutive 1-year terms*
TAD Groups on Engage

Aerospace Design and Structures Group
- https://engage.aiaa.org/aerospace-design-and-structures/home

Aerospace Sciences Group
- https://engage.aiaa.org/aerospace-sciences/home

Aircraft Technology, Integration and Operations Group
- https://engage.aiaa.org/aircraft-technology/home

Information Systems Group
- https://engage.aiaa.org/information-systems/home

Propulsion and Energy Group
- https://engage.aiaa.org/propulsion-and-energy/home

Space and Missiles Group
- https://engage.aiaa.org/space-and-missiles/home
Regional Engagement Activities Division
Integration & Outreach
Committees
Back-up
Integration and Outreach Division (2021-2022)

AEROSPACE OUTREACH GROUP
Tucker Hamilton, Director
Jeff Jepson, Deputy Director

History – Kevin Burns
Society and Aerospace Technology – Amir Gohardani
Women of Aeronautics and Astronautics – Annika Rollock

YOUNG PROFESSIONALS GROUP
Ashlee Youngpeters, Director
Kaela Martin, Director-Elect
Sam Alberts, Director Emeritus

Networking/Professional Development – Tejas Puranik
Membership & Awards – Nathan Crane
Communications/Engagement – Bryan Kowalczyk

INTERNATIONAL ACTIVITIES GROUP
Mary Snitch, Director

Aerospace Coalition Outreach – Ken Hodgkins
Honors and Awards Development – Anthony Murfett
Strategy & Implementation – Bob Winn

INTEGRATION GROUP
Peter Hartwich, Director
Tom McLaughlin, Deputy Director

Aerospace Traffic Management – Vince Schultz
CFD Vision 2030 - Dimitri Mavriplis
Digital Engineering – David Kepczynski
Airborne Directed Energy Systems – Don Wittich
Green Engineering – Kurt Paphathakis
Space Exploration – Surendra Sharma
Supersonics – David Lazzara
Transformational Flight – Doug Stanley
Unmanned Systems – Mike Logan

BUSINESS AND MANAGEMENT GROUP
Les Lake, Director

Economics – TBD
Legal Aspects of Aeronautics and Astronautics – Michael Dodge
Management – Raymond Flores

IOD LIAISONS
Council Innovation and Initiatives Committee (CIIC):
Tom McLaughlin, Member
Les Lake, Member
Vince Schultz, Member

Honors and Awards:
Suzanne Smith

Engineer of the Year:
Jeff Jepson
Jonathan Cooper

FORUM POCs
Brent Pomeroy, AVIATION
Vince Schultz, ASCEND
Mujeeb Malik, SciTech

Last modified: 15 July 2021
Sections can:
- Promote and fill YP and university liaison roles within sections
  - YPG can communicate open section positions
  - University liaison can promote section and YP membership after graduation
- Work with YP Regional Deputy Directors
  - Can provide ideas and guidance, connect to YPG

Student Branches can:
- Promote membership after graduation
  - Student to Professional membership transition (reduced membership fees)
  - Work with Sections for guest speakers and collaborative events (Distinguished Lecturer)

Both can:
- Bring awareness to opportunities like YPG and technical committees
  - Most students and YPs do not know that these groups and committees exist
Regional Engagement Activities Division

Diversity & Inclusion

Back-up
Diversity Working Group Subgroups

The subgroups are as follows:

- **Leadership**: Connects historically marginalized communities, both internal and external to AIAA, to opportunities focused on long-term professional growth within the Institute and broader aerospace industry.

- **Outreach**: Identifies and recommends academic, industry, government, nonprofit organizations, and other AIAA communities with which the AIAA Diversity and Inclusion Working Group should formulate strategic partnerships.

- **Programming**: Identifies and develops programs that will provide education, awareness, support, and growth of diversity within AIAA.

- **Recognition**: Identifies candidates who have made contributions to the advancement of diversity and inclusion and recommends the best way of recognizing their contributions.
AIAA Diversity Initiative Links:

- **Diversity Scholars Program**

- **Diversity Award**
  - [https://www.aiaa.org/get-involved/honors-awards/awards/award/award-diversity-and-inclusion-award](https://www.aiaa.org/get-involved/honors-awards/awards/award/award-diversity-and-inclusion-award)

- **Local Section Grants**
  - [https://www.aiaa.org/get-involved/committees-groups/Diversity-and-Inclusion/diversity-event-grant-request](https://www.aiaa.org/get-involved/committees-groups/Diversity-and-Inclusion/diversity-event-grant-request)
AIAA Public Policy Includes…

- Delivering extensive technical expertise and policy guidance to decision makers at the federal and state levels
  - The Institute serves as a reliable resource on a full spectrum of aerospace issues

- Educating elected officials
  - One-on-one meetings
  - Issue briefings
  - Congressional/executive testimony
  - Policy papers and state fact sheets

- Providing feedback on legislation
  - (i.e., NASA Authorization Act, Aeronautics Innovation Act, etc.)

- Working with agency stakeholders

- Collaborating with sister societies to advance our common goals
AIAA Public Policy Is NOT...

- Lobbying
- Picking “winners and losers”
  - We are company and program agnostic
- Inviting the public to a section event
Why Public Policy Matters for Aerospace

- National security and interests are aerospace drivers
  - Policies, many programs, and agency budgets are decided by our elected officials
  - Providing the elected officials with technical insight and facts helps them to formulate and implement appropriate policies

- Absent our presence and message:
  - Our profession’s concerns and contributions get lost in the noise of other national discourse
  - Critical research & development sponsorship needs do not get recognized
  - Resources may not be applied to preparing a future workforce for aerospace needs

What we aspire to

Apollo Discussion Aboard Air Force One with (left to right) NAS President Frederick Seitz, NASA Administrator James Webb, Doc Draper, and President Johnson.

What we are doing

Breanne Sutton, Rep. Bruce Poliquin, David Fox and Tim Dominick
How AIAA Benefits from Public Policy

- **Put a Face to a Name** – AIAA’s exposure

- **As a Resource** – AIAA becomes the “Go To” technical and policy organization

- **Health of the Industry** – Advocate for the industry, highlighting the sector’s importance and contributions
Public Policy Committee

- Consists of four outcome-based working groups responsible for:
  - Developing the Institute’s annual key issues;
  - Organizing member-driven advocacy activities;
  - Providing policy-related inputs for the Institute’s annual forums;
  - Arranging topical educational sessions for congressional staff; and
  - Administering the PPC’s honors and awards
# Varying Levels of Engagement

<table>
<thead>
<tr>
<th>National</th>
<th>Regional</th>
<th>State/Local</th>
<th>AIAA</th>
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<tr>
<td><img src="image" alt="United States Congress" /></td>
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<td><img src="image" alt="Pacific Northwest Aerospace Alliance" /></td>
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How You Can Be Involved: At the National Level

- Participate in CVD
  - Even government employees can attend if they go as individuals
  - If you do not have other coverage, consider applying for an AIAA travel subsidy
- Contribute your expertise to preparation of background papers that expand on AIAA KI topics
  - Information Papers
  - Opinion Papers
  - Institute Position Papers
- Work with your Section and Region Deputy Director for Public Policy to provide KI recommendations for the next year
  - https://www.aiaa.org/KeyIssueIdeas/

We are many in AIAA, but each individual policy activist has impact
How You Can Be Involved: Locally

- Develop new public policy activities within the section, e.g.:
  - Prepare and distribute policy newsletters through section channels
  - Hold topical educational forums for Section members and the media, drawing on local subject matter experts from AIAA, industry, and academia

- Facilitate local interactions with congressional representatives
  - Invite them to speak or participate in Section events
  - Organized section member visits to local offices to build on CVD messaging

- Address state-level policy issues with state government representatives
  - Include visits to state legislators
  - Coordinate with other local aerospace/science/technology interest groups to get a critical mass for effective advocacy
Types of Section-Level Activities

- Meet with your lawmaker(s) in their local office to review the Institute’s key issues
- Organize a panel session with your local policymaker(s) about a particular key issue or other pertinent matter of interest to your section membership
- Hold a “Meet & Greet” happy hour with your local representative(s)
- Invite your member of Congress to a section dinner and have them speak about one of our key issues
- Hold a gathering where subject matter experts educate your lawmaker(s) about one of our key issues
- Invite a legislator or group of legislators to visit and tour a local aerospace facility
- Create a new event that fits your membership and state
August is for Aerospace Program

- AIAA Public Policy Committee reestablished the program in 2018
- Sections hold outreach activity with their elected officials to highlight the Institute’s key issues or a subject of importance to the local aerospace community
- Outreach enables a continuation of relationships formed during CVD or an opportunity to begin an ongoing dialogue between the sections and their elected officials
2021 Congressional Visits Day

- 2021 CVD took place on Wednesday, March 17 (virtual)
- Registration opened in late fall
  - [http://www.aiaa.org/CVD/](http://www.aiaa.org/CVD/)
- Schedule:
  - Afternoon prior – Formal Training Session at TBD
  - 0900-1700 – CVD meetings take place
  - 1700-1900 – AIAA sponsored reception
- Leading up to CVD, there was Key Issue training sessions
  - Training sessions commence in February

Registration: [www.aiaa.org/cvd/](http://www.aiaa.org/cvd/)
Questions: Steve Sidorek, AIAA Public Policy, at 703.264.7541 or steves@aiaa.org
Resources for Sections

- Guideline for Sections Document
  - Best practices for sections on conducting public policy activities
  - Regional DDPP Contact Info
- Regional Deputy Directors for Public Policy
  - Representative for the Regions to the AIAA PPC
  - Promote/encourage public policy events within the sections
- AIAA Advocacy Website
  - Key Issues
    - Key Issue input
  - Policy Papers
  - State Fact Sheets
  - Virtual Policy Events
Regional Engagement Activities Division

STEM K-12 Outreach
Back-up
This Committee is established for the purpose of supporting K-12 STEM outreach programs that inspire the next generation of aerospace professionals.

The Committee should also identify programs that can be deployed and implemented at the local level across AIAA communities.

The Committee shall identify to the Board organizations for collaboration on STEM outreach activities.

In addition, the committee shall maintain an awareness of the K-12 STEM programs that are being implemented across the AIAA.
STEM K-12 has three standing deliverables

- Develop Programs for teachers and students that can be implemented by the Sections, branches and TCs
  - Educator Associates: AIAA associate membership for K-12 educators (free)
- Develop and maintain metrics to be used for the programs
- Recommend new program ideas and programs for termination based on performance
STEM K-12 is organized into 5 Working Groups

- Outreach Technology
  - Provides technological support to operate programs and metrics
  - Administers the Distinguished Mentor program

- Diversity
  - Provides policy support to improve inclusivity of programs
STEM K-12 is organized into 5 Working Groups

- Educator Associate Engagement
  - Interacts directly with the teachers to find out what they need and collect feedback on programs

- Community Engagement
  - Interacts directly with Sections, Regions, and Technical Committees
  - Share best practices and encourage increased participation by AIAA members in K-12 programs
Micro-Lessons

- Provides lesson plans for the Educator Associates to use in their classrooms
- About 95 have been created over the last 4 years
- Collaboration between Educators and AIAA members
### STEM K-12

**Now is a good time to join! We need members!**

<table>
<thead>
<tr>
<th>Working Group</th>
<th>Current Size</th>
<th>Volunteers Needed</th>
<th>Chair</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outreach Technology</td>
<td>2</td>
<td>2 AIAA, 1 EA</td>
<td>Craig Merrett*</td>
</tr>
<tr>
<td>Diversity</td>
<td>4</td>
<td>1 AIAA, 1 EA</td>
<td>Vacant</td>
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<td>Educator Associate Engagement</td>
<td>5</td>
<td>5 AIAA, 10 EA</td>
<td>Geoffrey Andrews</td>
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<td>Community Engagement</td>
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<td>TBD</td>
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<tr>
<td>Micro-Lessons</td>
<td>6</td>
<td>1 AIAA, 3 EA</td>
<td>Suzanne Costner</td>
</tr>
</tbody>
</table>

**Commitment level:** About 10 hours per month and a passion to generate new programs!

**Educator Associates:** We need you! Our ability to generate effective programs is dependent on your input and guidance.

**Contact:** Craig Merrett – [cmerrett@clarkson.edu](mailto:cmerrett@clarkson.edu)
Regional Engagement Activities Division

Student Branches
Back-up
AIAA University Programs

- **Graduate and Undergraduate Scholarships** — Financial aid and recognition for students in aerospace / aerospace related fields.
- **Design/Build/Fly (DBF) Competition** — Encourage student participation in this challenging and industry-recognized competition.
- **Design Competitions** — Encourage student participation in annual design challenges that span the breadth aerospace technical fields.
- **Regional Student Paper Conference (RSPC)** provides opportunities to support Students and Student Branches. These are the conferences for 2022, except for Region VII which is at the end of the calendar year 2021.
  - Region I: Virginia Tech
  - Region II: Georgia Tech
  - Region III: Purdue University
  - Region IV: University of Texas, San Antonio
  - Region V: TBD
  - Region VI: University of California, Merced
  - Region VII: Melbourne, Australia (Nov. 29-30) in conjunction with the Australia International Aerospace Congress
- **International Student Conference (ISPC)** — winners from the RSPCs compete for cash and prizes as part of the SciTech Forum.

Section members are encouraged to work with Student Branches to assure they take advantage of all opportunities / resources.
Typical RSPC Timeline

- **August**: dates published for next student conferences. Student organizers should begin planning with their DDE now.
- **September-January**: Abstract solicitation begins
- **January-March**: Final manuscript solicitation
- **January-April**: Registration open
- **Late March/early April**: Conferences occur
- **Following January**: 1st place finalists present at SciTech @ International Student Paper Conference
Honors & Awards Committee
Back-up
In Honoring Others – We Honor Ourselves!

AIAA is honored to honor you—the very best! A primary goal of the Institute is to recognize those who are making earthshaking achievements that make us stand up from our seats and cheer.

For over 80 years, AIAA has been committed to ensuring that aerospace professionals are recognized and celebrated for their achievements, innovations, and discoveries that make the world safer, more connected, more accessible, and more prosperous. From the major missions that reimage how our nation utilizes air and space to the inventive new applications that enhance everyday living, aerospace professionals leverage their knowledge for the benefit of society. AIAA continues to celebrate that pioneering spirit showcasing the very best in the aerospace industry.

https://www.aiaa.org/get-involved/honors-awards
Senior Members are individuals who have demonstrated successful professional practice in the arts, sciences, or technology of aeronautics or astronautics for the equivalent of at least eight years.

- Processed Monthly
  - Automatic Upgrade when Member reaches 8 continuous membership years
  - Submit online application – requires endorsement of (2) Senior Members or higher grade
- New Senior Member receives email, with copy to nominator
- Currently, over 10,000 Senior Members
- Program managed by Monique Alabi
Associate Fellow

Associate Fellows shall be persons who have accomplished or been in charge of important engineering or scientific work, or who have done original work of outstanding merit, or who have otherwise made outstanding contributions to the arts, sciences, or technology of aeronautics or astronautics.

- Maximum: 1 per 150 voting members (about 130 inductees/year)
- Frequency: Annual
  - Nominations due April 15 (open Feb 1) – submitted through Online Awards System
  - 3 Reference Forms due May 15
  - Nominations have a 3-year life span
- Competitive - Over 200 nominations received each year
  - Nominations should highlight accomplishments / contributions and impact – not a resume
  - Criteria: Technical (25%); Leadership (25%); AIAA Service (20%); Quality of References (10%); Other Aerospace Service (10%).
- Announcement: mid-Sep
- Inducted at Associate Fellows Recognition Ceremony and Dinner at SciTech Forum in Jan
- Over 3,400 Associate Fellows
Fellows shall be persons of distinction in aeronautics or astronautics, and shall have made notable and valuable contributions to the arts, sciences, or technology thereof.

- Maximum: 1 per 125 active Associate Fellows (about 28 inductees/year)
- Frequency: Annual
  - Nominations due June 15 (open April 1) – submitted through Online Awards System
  - 3 Reference Forms due July 15
  - Nomination Packages have 2-year life span
- Competitive - Over 125 nominations received each year.
  - High % of nominations submitted from academia – encourage more from government / industry
  - Nominations should highlight accomplishments / contributions and impact – not a resume
  - Criteria: Technical/Leadership (60%); AIAA/Other Aerospace Service (20%); Quality of References (20%)
  - Announcement: February 1 (HAC endorsement/Board of Trustees approval)
- Formal Induction at Fellows Dinner Ceremony (invite only) and Aerospace Spotlight Award Gala in May
- Over 700 Fellows
Honorary Fellow

Honorary Fellows are persons of eminence in aeronautics or astronautics, recognized by a long and highly contributive career in the arts, sciences, or technology thereof.

- Maximum: No more than 4 nominees deemed most worthy are recommended to the Board for election each year (no more than 3 nominees from the same country)
- Frequency: Annual
  - Nominations due June 15 (open April 1) – submit word/pdf nominations and reference form
  - 3 Reference Forms due July 15
  - Nomination Packages have 3-year life span
- Competitive: Over 16 nominations received each year.
  - High % of nominations submitted from academia – encourage more from government / industry
  - Nominations should highlight accomplishments / contributions and impact – not a resume
  - Criteria: Ranking system
  - Announcement: February 1 (HAC endorsement/Board of Trustees approval)
- Formal Induction at Fellows Dinner (invite only) and Aerospace Spotlight Award Gala in May
- Over 70 Honorary Fellows
HONORS Program

Emeritus Members

Members who reached 50 years of continuous membership.

Member retain their member grade, but their “status” is Emeritus.

• AIAA Membership is now COMPLIMENTARY!

• Frequency: Annual
  • Mail letter, glass clock, certificate, and lapel pin with rocker
  • Regions and sections notified
  • Over 60 AIAA members reach this anniversary each year
  • 1300 “Emeritus Members”
  • Program managed by Monique Alabi
Since inception of AIAA Honors and Awards Program, thousands of honorees have been recognized for meritorious achievements, technical contributions, committed service, section participation, and loyal membership.

Several Categories of Awards:

Premier Awards
AIAA's highest awards, presented at annual Aerospace Spotlight Awards Gala
- Daniel Guggenheim Medal
- Distinguished Service Award
- Goddard Astronautics Award
- International Cooperation Award
- Public Service Award
- Reed Aeronautics Award
- Engineer of the Year Award
- Lawrence Sperry Award
AWARDS Program

• **Technical Excellence Awards**
  Recognize significant achievement in specific technical fields of aerospace - Presented at AIAA Forums
  - Sponsored by TAD and IOD Committees
  - Significant changes approved by TAD Chief and HAC
  - Winners approved through Group Director, i.a.w. Award Charter and Judging Criteria
  - 70+ technical awards

• **Best Paper Awards**
  Recognize most innovative technical papers in aerospace design and structures, aerospace sciences, propulsion and energy, space and missiles, and other important areas - Presented at AIAA Forums
  - Organized through technical committees
  - 50+ Best Papers (professional and student best papers) and student competitions
• **Publication Awards**
  Recorders of aerospace science and technology are honored for their contributions
  Presented at AIAA Forums

• **Service Awards**
  AIAA members are recognized for dedication and participation in AIAA activities over years
  - Sustained Service Award (max 20/year), presented at a Forum or section event
  - Diversity and Inclusion Award

• **Section Awards** - Managed by Lindsay Mitchell
  Outstanding performance of sections or section members in areas such as communications
  and public policy are recognized

• **Partner Awards** (w/ASME, ASEE, SAE, VFS)
  AIAA partners with other societies to recognize professionals for their accomplishments
AWARDS Program

- **Awards and Lectures Deadline:**
  - February 1, July 1, and October 1

- **Competitive:**
  - Need minimum of 3 valid nominations to proceed with award review and selection

- **Award Policy:** Nominees/awardees may not receive more than one AIAA National award for same accomplishment or body of work. Nominating same person for multiple AIAA National awards during same nomination cycle is not allowed. Highly encouraged that AIAA Section or Regional award winners submit nomination for corresponding or appropriate National award. (Guideline applies to all awards) including awards where AIAA is a partner - does not apply to AIAA lectureships or AFs, Fs and HFs
  - Some awards recognize specific and recent accomplishments, while others recognize lifetime achievement. Nominators should distinguish new nominations from previous AIAA Award winners in either of these categories to ensure no overlap
  - Nominees for AIAA lectureships may be accepted for previous AIAA Award winners. Topic of lecture may cover similar or adjacent work, but should NOT be identical to that of previous AIAA Awards