



AIAA Briefing

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Briefing Topics

- History
- Overview
- Products & Services
- International Activities

History

- AIAA was formed from 2 separate societies
 - American Rocket Society (ARS) 1930
 - Science Fiction writers and editors who anticipated the advent of space flight
 - Rocket experiments, collaboration with other Rocket Societies
 - Became a professional society after WWII
 - Institute of the Aeronautical Sciences (IAS) 1932
 - Wanted an American version of the RAeS
 - Functioned as a professional society from the beginning
 - ARS and IAS merged together in 1963 to form AIAA

Overview

Vision

- AIAA is to be the shaping, dynamic force in the aerospace profession – THE forum for innovation, excellence and global leadership.

Mission

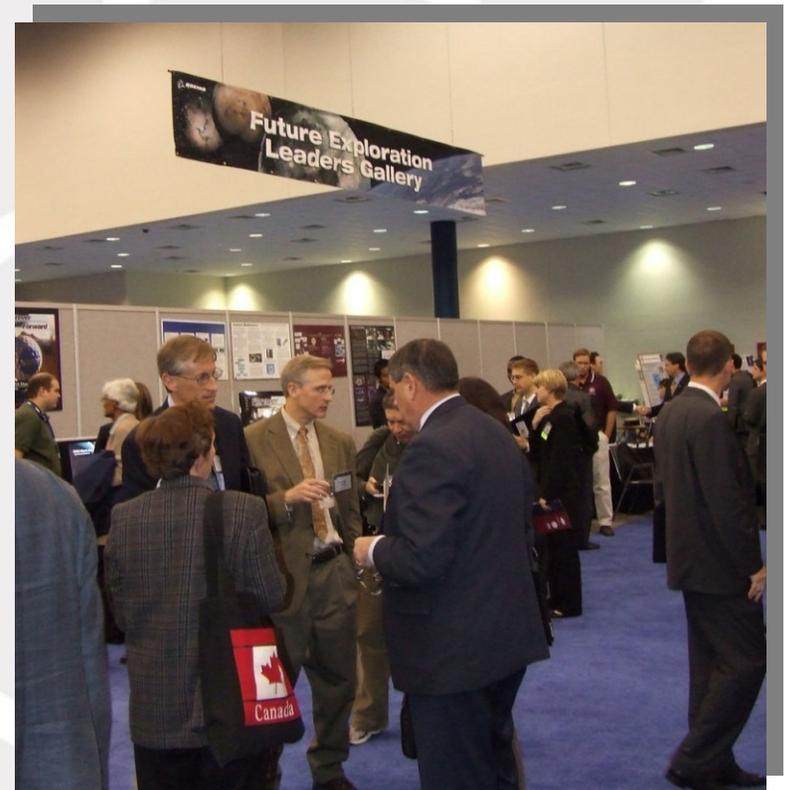
- To address the professional needs and interests of the past, present, and future aerospace workforce
- To advance the state of aerospace science, engineering, technology, operations and policy to benefit our global society

Overview

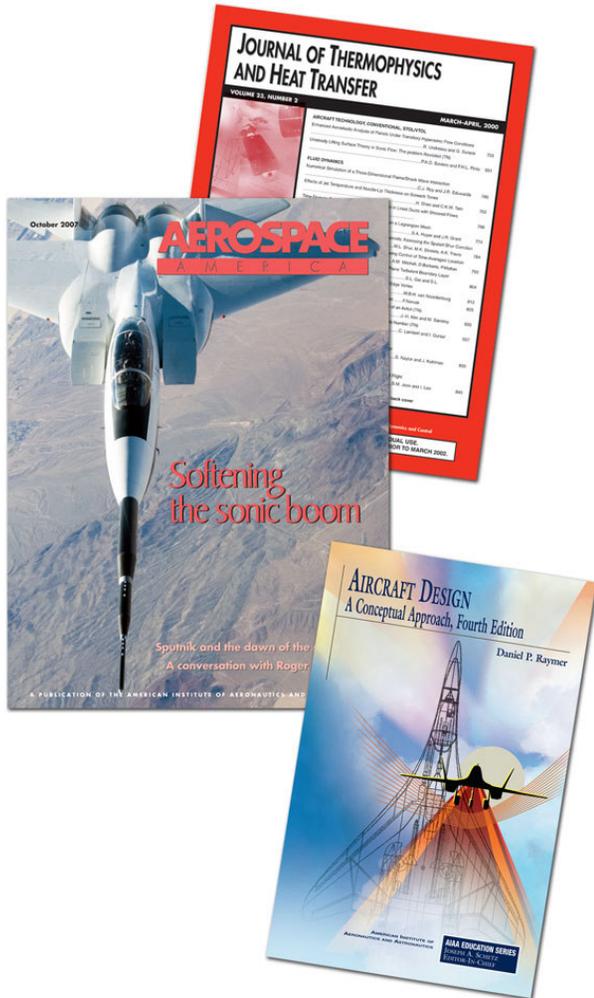
- **Largest Professional Society in Aviation, Space, & Defense Engineering/Science**
 - 31,000 professional members
 - 5000 student members
 - 85 corporate members
 - 79 Honorary Fellows, 706 Fellows, 3562 Associate Fellows
 - 70+ technical committees
- **Core Competencies in Aerospace Community**
 - Conference Organizer
 - Publisher
 - Professional Development Provider
 - ISO/ANSI Standards Developer
 - Advocate on policy issues
- **Business model (~\$24M annually)**
 - Revenue from AIAA's publications and events support critical services to the aerospace community such as education and policy initiatives

Products and Services: Conferences & Exhibits

- Conferences and Exhibits
 - 24-28 annual professional conferences in a wide variety of technical disciplines
 - 8-10 annual exhibits attached to conferences
 - Student conferences (each Region plus International)



Products and Services: Publications



- Books
 - Progress in Aeronautics and Astronautics Series
 - Education Series
 - Library of Flight (general interest titles)
 - Case Studies
- Journals
 - *AIAA Journal*
 - *Journal of Aerospace Computing, Information, and Communication*
 - *Journal of Aircraft*
 - *Journal of Guidance, Control, and Dynamics*
 - *Journal of Propulsion and Power*
 - *Journal of Spacecraft and Rockets*
 - *Journal of Thermophysics and Heat Transfer*
- Technical Papers
- Electronic Library (online publications)
- *Aerospace America* (monthly magazine)

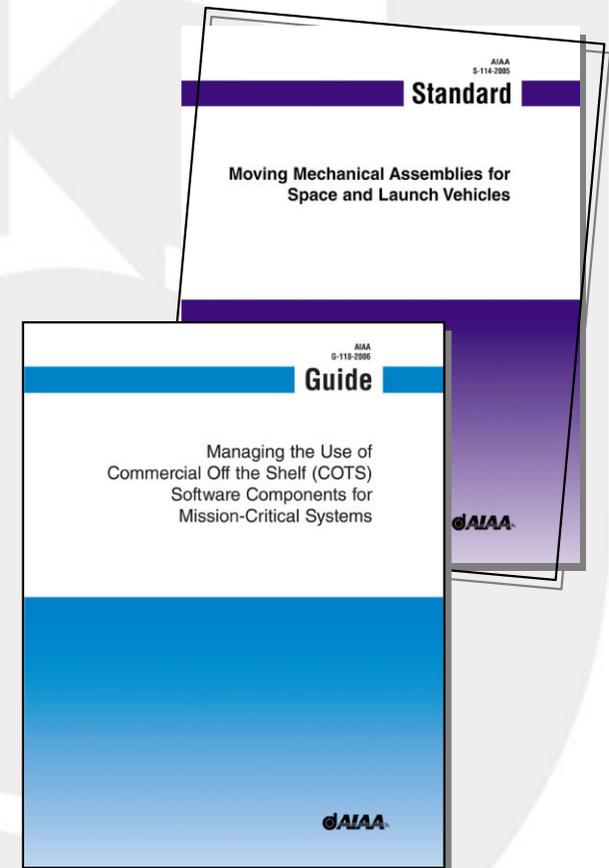
Products and Services: Educational Activities

- Student branches at more than 150 universities (domestic and international)
- Student conferences held each spring in six regions
- Undergraduate and graduate scholarships
- Design Competitions
- K-12 activities for student and teachers
- Many student activities funded by AIAA Foundation



Products and Services: Standards

- Promoting national and international standards for technical excellence
- Accredited by the American National Standards Institute
- Focus on aerospace applications
- Member input and review encouraged
- Members receive electronic copies of AIAA Standards free



Products and Services: Public Policy

- Developing comprehensive position papers on policy issues
- Coordinating expert testimony to Congress and the Administration
- Organizes annual Congressional Visits Day
- Promotes “August is for Aerospace” Home Visits
- Sponsors forums and workshops on policy issues
- Fosters relationships with the media and various coalitions
- Providing responsible positions which influences aerospace policy



Products and Services: Local Section Activities

- 66 sections across the United States and abroad
- Local networking, management and leadership opportunities
- Local technical programs in geographic areas
- Distinguished Lecturer Program Support



International Activities: Overview

- Participates in international organizations focused on aeronautics, astronautics, and space research
- Collaborates with sister societies in other countries and regions and joint technical activities
- Provides platform for international dialogue and cooperation
 - Hosts workshops to foster international cooperation and the development of global solutions
 - Organizes international student conferences to encourage the next generation of members
- Region VII devoted to non-U.S. members and their activities

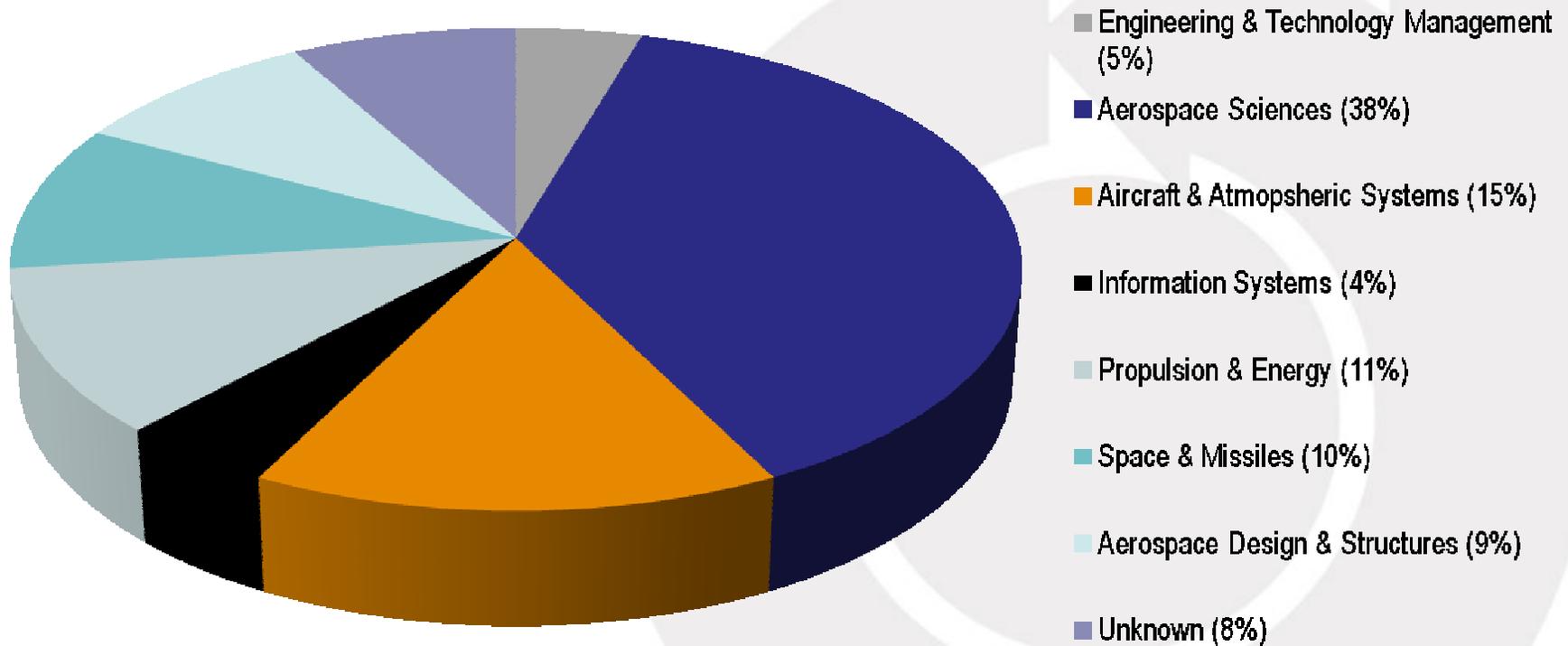
International Activities: Organization

- International Activities Committee develops and recommends policies and procedures concerning the international activities of the Institute
 - Chair: Dr. Mark Maurice, AFOSR
- Directors—International (3) provide input to Board of Directors on different regions
 - Regions represented: Asia, Europe, South America
- Director Region VII represents non-U.S. members on BOD
 - Director Region VII: Jurgen Quest, European Transonic Windtunnel
 - Deputy Directors support education, honors and awards, membership, young professional, technical activities

Region VII Demographics – June 2009

- Japan 900
 - Germany 541
 - UK 531
 - Canada 476
 - France 370
 - Italy 235
 - Australia 202
 - South Korea 178
 - The Netherlands 159
 - Israel 143
 - India 121
 - Spain 115
 - Brazil 110
- 5170 of 29,348 Professional Members – 17.6%
 - 1256 of 6485 Student Members – 19.4%
 - These 13 countries represent 79% of the Region VII membership.
 - There are currently AIAA members in 84 countries.

Region VII Demographics – Professional Interest



Region VII Demographics – Member Grade

- Member Grade
 - Member 923 (17%)
 - Senior Member 3760 (73%)
 - Associate Fellow 262 (5%)
 - Fellow 50 (1%)
 - Honorary Fellow 5 (<1%)
 - Associate Member 60 (1%)
 - Affiliate Member (DGLR) 44 (1%)
 - Honorary Member 2 (<1%)

International Activities: Participation

- Non-U.S. corporate members: 14 (15% of total)
- Non-U.S. conference attendance: approximately 25%
- Non-U.S. publications customers (2008):
 - Journals: 37%
 - Meeting papers: 43%
 - Books: 32%
 - Standards: 21%

International Activities: Participation

- Student branches outside of U.S.: 25 (16% of total)
- Two non-U.S. sections
 - Adelaide: 30 professional members/26 student members
 - Sydney: 70 professional members/30 student members
- Section Activities
 - Distinguished lectures, seminars on technical topics, technical tours, activities with student branches

International Activities: Collaboration

- **International Organizations**
 - Participates as member of International Astronautical Federation (IAF), International Council of Aeronautical Sciences (ICAS), Committee on Space Research (COSPAR)
 - Serves as Secretariat to the SpaceOps Organization and Consultative Committee for Space Data Systems (both groups comprised of space agencies)

International Activities: Collaboration

- **National/Regional Aerospace Societies**
 - Organize joint technical activities that address topics of mutual concern
 - Share information of mutual interest to societies' members
 - Current collaborations:
 - Association Aéronautique et Astronautique de France (AAAF)
 - Canadian Aeronautics and Space Institute (CASI)
 - Council of European Aerospace Societies (CEAS)
 - Deutsche Gesellschaft für Luft und Raumfahrt (DGLR)
 - Japan Society of Aeronautical and Space Sciences (JSASS)
 - Korean Society of Aeronautical and Space Science (KSAS)
 - Professional Council of Aeronautical and Space Engineering (CIPAYE) (Argentina)
 - Royal Aeronautical Society (RAeS)



The World's Forum for Aerospace Leadership