



AIAA
SHAPING THE FUTURE OF AEROSPACE



2023 AIAA ELECTION GUIDE

MEET THE CANDIDATES



ELECTION OPEN
[1-17 FEBRUARY 2023]



VOTE ONLINE: aiaa.org/vote



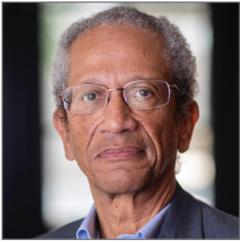
ELECTION OPEN

[1-17 FEBRUARY 2023]

The Executive Nominating Committee is presenting an outstanding candidate for President-Elect. The candidate is highly qualified and is anxious to serve.

The Board of Trustees is chaired by the AIAA President and is composed of the President, President-Elect, Treasurer, and nine (9) Trustees-At-Large. As a member of the Board of Trustees, the President-Elect shall automatically ascend to the office of President as soon as their term as President-Elect is completed. The President-Elect shall be familiar with all the activities of the association, serve as a member of the Board of Trustees and its Executive Committee, prepare for their term of President, and assume the duties of the President in the absence or incapacity of the President. The President-Elect's term of office is May 2023–May 2024.

For 2023, the election will be held from 1-17 February 2023, and we will continue to vote electronically. Every member is urged to vote online via the AIAA website. We have taken steps to ensure the voting process is smooth and efficient. We are using the independent third-party vendor, Survey and Ballot Systems, who we have used in the past to monitor the process and the web-based voting system. Anyone who requests a paper ballot will receive one. Please use the electronic voting system if possible but if you need a paper ballot, please request one through Survey & Ballot Systems at 952.974.2339 or support@directvote.net (Monday–Friday, 0800–1700 hrs CST). All ballots must arrive at AIAA or be submitted online through the website, aiaa.org/vote, by 1500 hrs EST, 17 February 2023.



Daniel Hastings
AIAA HONORARY FELLOW

AIAA has been my professional home for 37 years. It is a great organization and I have enjoyed being in it. It is an honor to serve and do my part to be help AIAA continue to grow.

My highest priority is to make the Institute a place that young people want to be in as they engage with the aerospace enterprise. Time is precious and the value proposition for membership needs to be clearly articulated for each generation. We need to stay relevant to continue to attract people to be in AIAA. We need to recognize how much aerospace is changing. The number of people who see value in aerospace products is increasing and broadening. In part this is being driven by an increase in the level of entrepreneurial energy. This needs to be harnessed as much as possible by AIAA. The aerospace enterprise and AIAA need to change to attract women and minorities into the field. The aerospace enterprise needs to be more than higher, faster, further and show that it cares about the environment and sustainability and the full spectrum of issues for us to live successfully on the planet. Of course, we need to care about exploring the solar system and also about improving life on this planet. We need to go beyond just representing the relatively small percentages of women and minorities in the field and actively seek to engage them in what is a tremendously exciting field. One of the metrics for success I will look for within AIAA is that we have well-defined value propositions for each generation, a place where every group feels they belong. I want to see AIAA as a home for all the changes occurring in air and in space.

BIOGRAPHY

I have been on the faculty at MIT in Aeronautics and Astronautics since 1985. My research specializations include synergetic interactions between space systems and the space environment, space propulsion, space policy, and space systems architecting. Among my external appointments, I served as chief scientist in the late nineties for the U.S. Air Force, where I led studies of Air Force investments in space. I was also the chair of the Air Force Scientific Advisory Board afterward and have

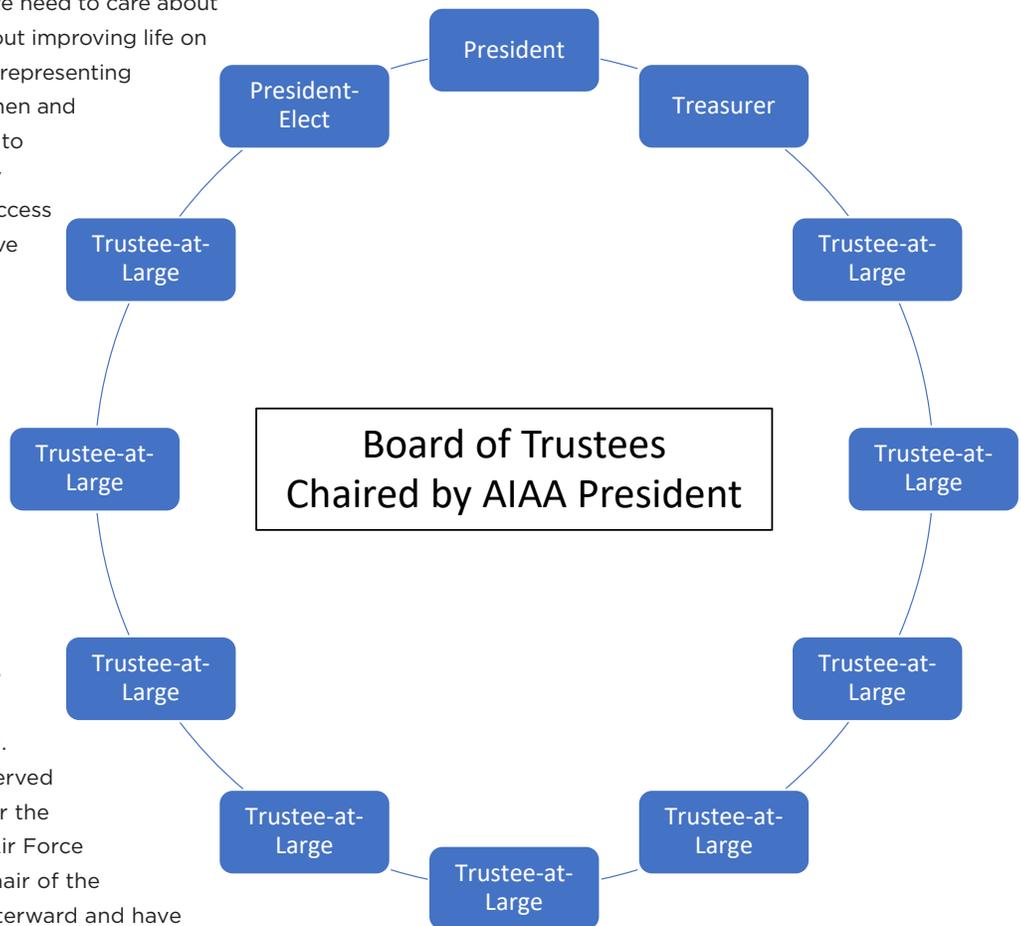
served on the NASA Advisory Council and on numerous NASEM committees. I have been on the The Aerospace Corporation Board of Trustees for over 18 years.

AIAA ACTIVITIES AND HONORS

I am honored to be an Honorary Fellow of AIAA, and to have been awarded the 2003 AIAA Losey Atmospheric Sciences Award. I have been on the Space Science and Astronomy Technical Committee (TC), the Space Systems TC and the TC on Lasers and Plasmadynamics. I have published frequently in the Journal of Spacecraft and Rockets.

OTHER ACTIVITIES AND HONORS

I am a fellow of the International Astronautical Federation and the International Council in System Engineering. I was elected to the National Academy of Engineering and appointed at MIT as the AeroAstro Department Head and as Associate Dean of Engineering for DEI.



ELECTION OPEN

[1-17 FEBRUARY 2023]

The Council Nominating Committee has assembled an outstanding slate of candidates. Please carefully consider each candidate and select those who most closely reflect your values and your vision for the future of AIAA. All candidates are highly qualified, and all are anxious to serve.

COUNCIL OF DIRECTORS

REGIONAL ENGAGEMENT ACTIVITIES DIVISION

- Region I
- Region II
- Region III
- Region IV
- Region V
- Region VI
- Region VII

INTEGRATION AND OUTREACH ACTIVITIES DIVISION

- Aerospace Outreach Group
- Business & Management Group
- Integration Group
- International Activities Group
- Young Professionals Group

TECHNICAL ACTIVITIES DIVISION

- Aerospace Design & Structures Group
- Aerospace Sciences Group
- Aircraft Technology Integration & Ops Group
- Information Systems Group
- Propulsion and Energy Group
- Space and Missiles Group

REGIONAL ENGAGEMENT ACTIVITIES DIVISION

Regions coordinate the activities of geographically related sections to facilitate cooperative efforts between the various geographical areas. A Regional Director shall lead each region. The voting members who belong to that region shall elect the Regional Director for that region. The Regional Director for each group shall be a member of the Regional Engagement Activities Division (READ) as well as a delegate to the Council of Directors. The term for Regional Directors shall be three years and there shall be a limit of the Regional Director serving two consecutive terms.

As a Member of the Council, a Regional Director's primary responsibility is to serve the Institute as a whole; a secondary responsibility is lead and support the Sections, Student Branches and Members in their Region. A Regional Director serves in several different capacities; voting member of the Council of Directors, voting member of the Regional Engagement Activities

Division (READ), and chair of the Regional Advisory Committee (RAC).

As the leader of the Region, the Regional Director must be dedicated and recognize the obligation implicit in filling the position and be willing to expend the requisite time and energy. Directors must be self-motivated and initiate actions as necessary and anticipate and resolve problems, as well as being an effective communicator, having the ability to relate to and communicate with people of varying status (from junior engineers to corporate executives). Directors should be organized and familiar with AIAA's organizational structure and procedures. The importance of strong leadership in this voluntary role cannot be overemphasized. All the Section Chairs within the Region, and the Deputy Directors look to the Regional Director for guidance.



LEARN MORE
aiaa.org/get-involved/regions-sections



Timothy Dominick

AIAA ASSOCIATE FELLOW

A strong professional society plays an important role in promoting an industry as well as providing support for professionals within that industry. That society is only as powerful as its members and their participation. AIAA

has a diverse membership with many different needs. From students just beginning to learn what a career in aerospace can offer them, to young professionals looking for mentoring and career growth opportunities, to mid-career professionals wanting to expand their network, to supporting and promoting late-career professionals in their development as subject-matter experts, AIAA is an organization through which members receive the tools they need to increase the career likelihood of success and be recognized for their achievements.

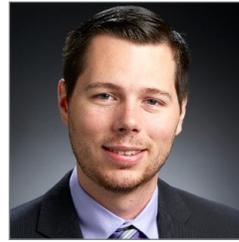
As Region I Director, I will support the strengths of each section to increase our outreach with excellent programming that leads to increased member engagement and participation. I also will promote increased collaboration through regular communication across sections within Region I and use lessons learned from successful sections to bolster programming in up-and-coming sections. These goals are aimed at building a strong region with active sections that can attract and retain members by demonstrating the value of an AIAA membership and providing compelling reasons to be an active AIAA section member.

BIOGRAPHY

B.S. Aeronautical Engineering, Rensselaer Polytechnic Institute. Currently a Technical Fellow at Northrop Grumman Defense Systems in Elkton, MD, with over 25 years of experience in the industry as a leading expert in the areas of thermal analysis and ultra-high temperature materials.

AIAA ACTIVITIES AND HONORS

AIAA member since 1996, Associate Fellow (2012), Engineer of the Year (2019), Sustained Service Award (2019), Chair of Public Policy Committee (2019–2022), Public Policy Committee READ Liaison (2018–2019), Public Policy Committee (2007–present), Materials TC (2021–present), Thermophysics TC (2022–present), AIAA UNCOUOS Advisory Group (2016–2019), Region I Deputy Director of Public Policy (2010–2019), Delaware Section Chair (2007–2011), Delaware Section Vice-Chair (2011–2013), Delaware Section Secretary (2006–2007), Delaware Section Public Policy Chair (2008–2019), Delaware Section Honors & Awards Chair (2019–present), Congressional Visits Day State Captain (2007–present), Region I YPSE Conference Judge (2012–2013), Region I Social Media Chair at AIAA SciTech Forum (2014), over two dozen Section Awards as a Delaware Section Council Member.



Kyle Zittle

AIAA SENIOR MEMBER

I have had the privilege of serving AIAA in various capacities, locally and nationally, and I ask for your support for the position of AIAA Region I Director.

As director, I would facilitate plans

with the sections to work more closely with the AIAA corporate membership team, as well as the AIAA technical committees and integration and outreach committees, especially the Women of Aeronautics and Astronautics and the Young Professionals Group, to increase our collaboration and to engage with our corporate members to enhance membership, involvement, and retention.

BIOGRAPHY

I hold B.S. and M.S. degrees in Aerospace Engineering from the University of Maryland and earned a certificate in Astrodynamics and Satellite Navigation from the University of Colorado. I am the supervisor of the GNC Systems Architecture section in the Air and Missile Defense Sector (AMDS) at the JHU Applied Physics Laboratory. My background includes analysis and development of guidance filters, advanced guidance algorithms, and flight control systems; trajectory optimization; modeling and simulation; and performance assessments. Additionally, I am responsible for developing a familiarity with Model-Based Systems Engineering and the integration of traditional GNC toolsets and simulations into the modern systems engineering design architecture in the growing Digital Engineering landscape. At APL, I am very involved in outreach and mentoring opportunities, including hosting and mentoring interns at APL and leading the AMDS intern experience team.

AIAA ACTIVITIES AND HONORS

I have been serving as Chair of the Mid-Atlantic Section since 2019. Prior to 2019, the section had been inactive for several years. I led the revitalization effort for the section, re-forming the council and developing a vision for the section. As a part of this revitalization, the section has focused on career and professional development, engaging in conversations to promote diversity, equity, and inclusion (DEI), and has brought back its signature event – the Young Professionals, Students, and Educators Conference. The YPSE conference has impacted more than 300 young professionals, students, and educators from Region I and across AIAA since 2019. In 2021, we collaborated with the Women of Aeronautics and Astronautics to bring DEI programming to the conference. I am an active member of the Young Professional Group (YPG) and the Guidance, Navigation and Control Technical Committee. I also am currently the Deputy Director of Event Planning for the YPG. In this role, I help lead the planning and execution of the Rising Leaders in Aerospace event series at the AIAA forums.



Ryan Sherrill

AIAA ASSOCIATE FELLOW

If elected as Region II Director, I wish to continue the work of Dr. Kurt Polzin and focus new efforts in the following areas:

Local Involvement – Sections are where AIAA primarily interacts with its membership. Not every aerospace engineering degree holder will participate in research groups or technical committees, but they can all participate at the section level. I would like to see sections in Region II perform outreach to their members as a way to increase membership satisfaction within the region and grow the number of involved members in local section activities.

Student Involvement – The Air Force has “Bluing” trips where members of the junior force can shadow senior leaders. This provides an opportunity to understand how the organization functions and how decisions are made. I believe that AIAA could implement a similar program for top students to shadow leaders thereby demonstrating the value of membership for the next generation of AIAA members/leaders.

Region Events Calendar – Smaller sections are often manpower-constrained and can only put on a limited number of events per year. With the rise of hybrid or virtual-only events over the past several years I believe there is a missing opportunity to share resources

among sections. For example, if a section is hosting a Distinguished Speaker with an online option, I would like the connection details shared with other sections in the region allowing more members to participate and increasing the tangible benefits of AIAA membership.

Section Feedback – The Annual Reports are an important tool for the section leadership as it lists the activities that AIAA would like to see from the sections. However, it can provide an additional resource that is not utilized and one I would like to implement: a way for the regional director to debrief each section’s executive council. It’s also a way for the regional directors to check in on the sections to gauge their health and provide resources from headquarters level.

BIOGRAPHY

Education: Ph.D., Auburn University (2013); MS, Auburn University (2009); BAE, Auburn University (2007). Professional Experience: Research Aerospace Engineer, Air Force Research Laboratory (2015-present); Real-time Simulation Engineer, Engility Corporation (2013–2015); Postdoctoral Researcher, University of Florida (2013).

AIAA ACTIVITIES AND HONORS

AIAA Membership: Associate Fellow (2022), Lifetime member (2020), Senior Member (2019), Student Member (2005). AIAA Positions: Chair, Northwest Florida (2020–present), Young Professional Officer, Northwest Florida (2019–2020), Career and Professional Development Officer, Northwest Florida (2017–2020).



Cees Bil

AIAA ASSOCIATE FELLOW

I plan to present a strong value proposition to members and potential members in Region VII (International) in all stages of their career and increase awareness of AIAA and its

value to members in the region. I want to create alliances with other societies where all can benefit through collaboration or complimentary activities. I will focus on students and young professionals who are seeking professional development, opportunities for networking, career advice, etc., and ensure there is a sense of belonging to the AIAA community and lifelong engagement.

BIOGRAPHY

I have a MSc (Aero), Ph.D. (Aero), and GradDip (Education) from Delft University of Technology in the Netherlands. Joined RMIT University in Melbourne, Australia, in 1995. Currently, professor in aerospace engineering and aviation, and deputy director of

the Sir Lawrence Wackett Defence and Aerospace Centre. My main passion is aerospace systems design and teaching students the art and science of creating new products that serve the community in a sustainable way. My research interests are multidisciplinary design optimization, air traffic flow optimization, unmanned systems and product life-cycle analysis. I have been involved in many projects with industry and defense.

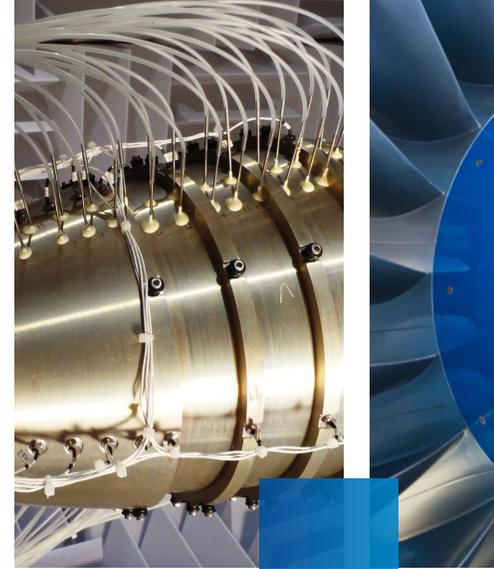
AIAA ACTIVITIES AND HONORS

International Member, Aircraft Design Technical Committee (2009–present); AIAA RMIT Student Branch Faculty Advisor (2005–present); AIAA Associate Fellow (2012); Deputy Technical Program Co-Chair and a Technical Discipline Chair for the 2015 AIAA AVIATION Forum; 1st AIAA Student Undergraduate Design Competition (2016); 1st AIAA Student Graduate Design Competition (2017); AIAA Special Service Citation (2009); Co-chair, AIAA Region VII-AU Student Conference (2016–2017); AIAA AVIATION Forum Technical Program Co-Chair (Aircraft and Atmospheric Sciences Group) (2016); Discipline Technical Chair, Aircraft Design, AIAA SciTech Forum (2015–present); Director–Region VII (July 2018–present).

TECHNICAL ACTIVITIES DIVISION

Technical Groups coordinate the activities of related technical committees to facilitate cooperative efforts between the various technical disciplines. A Technical Director shall lead each Technical Group. All voting members shall elect the Technical Directors. The Technical Director for each group shall be a member of the Technical Activities Division (TAD) as well as a delegate to the Council of Directors. The term for Technical Directors shall be three years and there shall be a limit of the Technical Director serving two consecutive terms.

As a Member of the Council, a Technical Director's primary responsibility is to serve the Institute as a whole; a secondary responsibility is lead and support the committees and members in their directorate group. A Technical Director serves in several different capacities; voting member of the Council of Directors, and voting member of the Technical Activities Division (TAD). As the leader of the Group, the Technical Director must be dedicated and recognize the obligation implicit in filling the position and be willing to expend the requisite time and energy. Directors must be self-motivated and initiate actions as necessary and anticipate and resolve problems, as well as being an effective communicator, having the ability to relate to and communicate with people of varying status (from junior engineers to corporate executives). Directors should be organized and familiar with AIAA's organizational structure and procedures. The importance of strong leadership in this voluntary role cannot be overemphasized. All the directorate's committee chairs, and the Deputy Directors within the group look to the Technical Director for guidance.



LEARN MORE

[aiaa.org/get-involved/committees-groups/
technical-committees](https://aiaa.org/get-involved/committees-groups/technical-committees)



David Maroney

AIAA ASSOCIATE FELLOW

My vision for the ATIO Group is to develop our technical committee (TC) outreach and collaboration capabilities, both among the TCs within the Group, as well as across AIAA. I plan to pursue several opportunities to achieve this vision. In my time as ATIO Deputy Director, the AIAA events have evolved from multiple smaller conferences to the more consolidated forum structure, providing an outstanding venue for cross-discipline coordination. Within the ATIO Group, there has been a growing recognition of the value of and need for cross-TC collaboration, which needs to be fostered. And most recently, AIAA has developed and is implementing the Domains concept, with Task Forces to pursue key topics for AIAA strategic focus – supporting these Domains and Task Forces will provide visible and impactful coordination opportunities for our TCs.

BIOGRAPHY

I have been employed by The MITRE Corporation since 1983, under the Center for Advanced Aviation Systems Development (CAASD), the FFRDC for the FAA. I am a Principal Systems Engineer, focused on development of the FAA's airspace operations for the future infocentric NAS and the broader vision for New Entrants NAS integration, including Uncrewed Aircraft Systems, Urban Air Mobility/Advanced Air Mobility, and

High-Altitude (above FL600) increasingly diverse operations. For MITRE's internal research program, I serve as a Technology Integrator for Autonomy and UAS, and have been the Principal Investigator for several internal MITRE research projects, largely exploring collision avoidance technology for unmanned aircraft operating with non-cooperative targets, which has resulted in numerous AIAA and IEEE conference presentations and publications. Between 2015 and 2018, I was privileged to serve as UK Royal Academy of Engineering (RAE) Visiting Professor for Remotely Piloted Aircraft Systems at Queens University Belfast, Northern Ireland.

AIAA ACTIVITIES AND HONORS

I have been a member of AIAA since 2000 and became an Associate Fellow in 2009. I have served as Deputy Director of the ATIO Group since 2012, representing ATIO on committees such as the Emerging Technology Special Committee, the Council Nominations Committee, and the Technical Integration Subcommittee. In 2014, I worked to develop the AIAA New Event Model, consolidating the diverse AIAA conferences, and served as Technical Chair of the 2013 AIAA AVIATION Forum and General Chair of the 2014 AIAA AVIATION Forum. Prior to 2012, I participated in the organization and planning of the ATIO conference, serving as co-technical chair from 2008 to 2010. I have been a member of several TCs and IOCs over the years and served as Air Transportation Systems (ATS) TC Committee Chair from 2010 to 2012.



Stephen Blanchette

AIAA ASSOCIATE FELLOW

We live in exciting times! We have a space race far more complex than that of decades past: not just nations competing to reach new worlds, but

also commercial entities gobbling up market share in existing space-based industries, and entrepreneurs disrupting business norms to create whole new market sectors. Space is congested, contested, and increasingly open to anyone who can afford the shrinking cost of launch. Internationally, we're behind in developing norms, standards, and policies needed to ensure today's space age flourishes. Back on Earth, we again see the need to advance tactical and strategic missile technologies and defenses to counter those who would hinder humankind's progress toward coexistence on the ground and among the stars.

Space and Missiles Group is at the heart of all this, and uniquely positioned to drive solutions. Members transform science fiction into fact daily; collectively, we have the skills to reach across our disciplines and the Institute to develop the innovations society needs. Working across AIAA, we can achieve the full potential of our individual fields.

My day job is supporting missile and space systems, and my experience working at the TAD level with the Information

Systems Group gives me the knowledge of how AIAA business is conducted and will allow me to work across groups to make SMG and AIAA even more successful. Together, we will work to realize the promise of the future.

BIOGRAPHY

BSCS, Embry-Riddle; MA, Diplomacy, Norwich. Director, Software Systems and Acquisition, The Aerospace Corporation. Previously, Deputy Director, Client Technical Solutions, CMU/SEI. 35+ years developing and managing software-reliant systems for national defense and intelligence programs with McDonnell Douglas, Stanford Telecommunications, and United Defense. Senior member, IEEE; member, ACM, AFCEA, NDIA. Authored/coauthored 33+ publications plus numerous technical reports.

AIAA ACTIVITIES AND HONORS

Associate Fellow (2010–present); member since 1984. Deputy Director, Information Systems Group (2021–Present); Software TC (member 2008–present, Vice Chair 2010–2012); Aerospace Cybersecurity Working Group (2015–present); Netcentric Operations PC (2004–2012); AIAA SciTech Forum (Forum Technical Chair 2019, Deputy 2018); Program Committee, Software Challenges in Aerospace Workshop (2015–2017); Technical Area Chair, Infotech@Aerospace (2015); Co-chair, Cyber Systems, AIAA DEFENSE Forum (2015); Co-chair, Software, Infotech@Aerospace (2013).

INTEGRATION AND OUTREACH

ACTIVITIES DIVISION

Integration and Outreach Groups coordinate the activities of related Integration and Outreach Committees to facilitate cooperative efforts between the various professional areas. An Integration and Outreach Group Director shall lead each Integration and Outreach Group. All voting members shall elect the Integration and Outreach Directors, except for Young Professional Group Director-Elect who is elected by the professional members who are less than 36 years old at the time of the election. The Integration and Outreach Director for each group shall be a member of the Integration and Outreach Activities Division (IOD) as well as a delegate to the Council of Directors. The term for Integration and Outreach Group Directors, except for the Young Professional Group Director-Elect, shall be three years and there shall be a limit of the Integration and Outreach Group Director serving two consecutive terms. The Young Professional Group Director-Elect shall serve one year as the group director and is not renewable.

As a Member of the Council, an Integration and Outreach Director's primary responsibility is to serve the Institute as a whole; a secondary responsibility to lead and support the committees and members in their directorate group. An Integration and Outreach Director serves in several different capacities; voting member of the Council of Directors, and voting member of the Integration and Outreach Activities Division (IOD). As the leader of the Group, the Integration and Outreach Director must be dedicated and recognize the obligation implicit in filling the position and be willing to expend the requisite time and energy. Directors must be self-motivated and initiate actions as necessary and anticipate and resolve problems, as well as being an effective communicator, having the ability to relate to and communicate with people of varying status (from junior engineers to corporate executives). Directors should be organized and familiar with AIAA's organizational structure and procedures. The importance of strong leadership in this voluntary role cannot be overemphasized. All the directorate's committee chairs, and the Deputy Directors within the group look to the Integration and Outreach Director for guidance.



LEARN MORE

[aiaa.org/get-involved/committees-groups/
Integration-and-Outreach-Division-Committees](https://aiaa.org/get-involved/committees-groups/Integration-and-Outreach-Division-Committees)



Gus Ordonez

AIAA ASSOCIATE FELLOW

Since 2021 I have served as Deputy Director of the Business Management Group (BMG), and member of AIAA's Integration and Outreach community. We share a new structure and strategic vision

for AIAA, and a common goal: to make the BMG the advisory center of AIAA in the areas of management, legal, and economics. I envision the BMG to function as a market assessment group that can serve as a guide for AIAA members to understand the drivers that move projects to reality. The Economics, Management and Legal teams will complement each other to make this goal become reality.

The BMG will work with the Technical Advisory Groups and the Domains to provide a landscape that can share lessons learned in management and leadership, to highlight the legal aspects of aerospace, and to objectively advise on the economic value of our aviation and aerospace community. Over the last two years, we have created independent charters and visions for each of our groups that will meet AIAA's strategic plan. Next steps are to implement focal points between the BMG and the Technical Groups and Domains as part of the cross-communication process that will bring a broad picture of the aerospace industrial landscape.

BIOGRAPHY

A.S. (1979), B.S. Embry-Riddle University (1979); M.S., Columbia University (1982); Ph.D. Candidacy, Columbia University (1982-1984). Dpl. Engineer, Honors, Von Karman Institute for Fluid Dynamics / NATO, Belgium (1983). MBA, University of California (June 2005). University of Virginia (2010). Northrop Grumman Military & Space Div. (1979-1997). U.S. Air Force Office of Scientific Research (1982-1984). Honeywell Aerospace (1997-2006). L-3 Communications Corp. (2006-Sept 2007). Plastek Corporation (2007-2009). United Technologies Corp. (2009-2015). Boeing NeXt/Aurora Flight Sciences, Moffett Field, CA (2015-2016). Professor of Business Strategy and Innovation, University of California (2008-present). Founder, Icarus Consulting (2016-present).

AIAA ACTIVITIES AND HONORS

Associate Fellow (2017). V/STOL Aircraft Systems Technical Committee, Member (1992-2007). Board Member, AIAA/SAE Aerospace in the News (1990-1996); Board Member, AIAA/SAE Aerospace Today and Tomorrow (1998-2015). AIAA Congressional Visits Day, California Delegation (2020,2021, 2022). Speaker, AIAA Aerospace Sciences Conference (1990-1991). Citation, Organizer, 1st AIAA UAV Conference (05/31/2002). Citation, Speaker, AIAA UAV Symposium, Washington, DC (December 1999).



Abdi Khodadoust

AIAA ASSOCIATE FELLOW

As Director of the Business and Management Group, I pledge to explore the economic impact of the global aerospace community to the larger economy, explore current

international aerospace case law, and actively collaborate with other legal-focused societies in moot courts and student competitions. I also pledge to understand issues and develop solutions to management problems specific to the aerospace and defense community, as well as encourage and promote improved management methods and practices. Lastly, I pledge to work and coordinate with other Groups within the AIAA Integration and Outreach Activities Division to foster and promote an atmosphere of inclusion and collaboration.

BIOGRAPHY

I lead the Aerosciences Team at Boeing Research & Technology. In this capacity, I manage the research and development of technologies in close collaboration with other leaders at Boeing. One of my roles is building a strong relationship with communities outside of Boeing. I manage technology development projects spanning basic and applied research and development, model-based engineering, and machine learning, for a range of aerospace applications. I have chaired the Atmospheric Environment Technical Committee, and have led major conferences for AIAA. I hold a Ph.D. in Aeronautical & Astronautical Engineering from the University of Illinois, and am a graduate of California Institute of Technology's Agile Project Management Certificate Program.

AIAA ACTIVITIES AND HONORS

Member, Integration and Outreach Committees: Supersonics (2020-present) and CFD Vision 2030 (2018-present); Deputy Director, Engineering & Technology Management Group (2011-2017); Deputy Chair, TAC New Initiatives Subcommittee (2012-2014); Co-Chair & Track Chair, Complex Aerospace Systems Exchange (2012-2013); Associate Editor, Progress Series (2010-2012); General Chair, 47th & 50th Aerospace Sciences Meeting (2009, 2012); Technical Program Chair, 40th & 41st Aerospace Sciences Meeting (2002-2003); Chair, Atmospheric Environment Technical Committee (2001-2003); Reviewer for Journal of Aircraft and AIAA Journal (1994-present); Technical Session Chair (1994-present); Associate Fellow (2006-present).



Thomas Sebastian

AIAA ASSOCIATE FELLOW

As the world comes out of the pandemic, the International Activities Group (IAG) serves to renew and amplify professional relationships across the globe. Many of the technological

challenges facing humanity in this century will require collaborations across diverse cultures and geographic regions. As IAG Director, I would work to foster these collaborations, with a particular focus on cultivating the next generation of aerospace researchers, scientists, and engineers.

BIOGRAPHY

I received my B.S. (2006) and M.S. (2008) degrees in Aerospace Engineering from North Carolina State University and my Ph.D. (2011) in Mechanical Engineering from the University of Massachusetts at Amherst. I am currently a Senior Technical Staff member of the Structural and Thermal-Fluids Engineering Group at MIT Lincoln Laboratory (MIT/LL), where I lead technical initiatives and early-stage development of novel technologies and concepts. My career prior to joining MIT/LL includes SpaceWorks Engineering, JPL, NASA Langley Research Center, and the UMass Renewable Energy Research Laboratory.

AIAA ACTIVITIES AND HONORS

Associate Fellow (2023), AIAA member since 2003. NCSU Branch President (2004–2006). National Institute of Aerospace Chapter President (2007–2008). Region I Student Conference judge (2016). Conceptual Aircraft Design Working Group member (2017–2019). Region I Student Conference judge (2017). 2020 AIAA DEFENSE Forum co-chair, Advanced Prototypes (Forum cancellation due to COVID). Graduate Team Missile Design Competition RFP support (2021). AIAA-Beaver Works Summer Institute (BWSI) Build a CubeSat Technical Mentor (2022).



Robert C. Winn

AIAA FELLOW

I have worked with international engineers and scientists for over 30 years and found that cooperation, whenever possible, benefits all participants. During my tenure as the Chair of the Strategy and Implementation Committee

of the International Activities Group (IAG), I have established a dialog with many international AIAA members. As Director of the IAG, my goal is to expand that dialog by including as many U.S. AIAA members as possible. AIAA's expertise in accessing the virtual connections has made direct communication between members a reality, regardless of where they live, and I intend to use that expertise to increase that communication. Making international cooperation more available and affordable will strengthen AIAA and grow AIAA's influence around the world.

BIOGRAPHY

I served 22+ years in the USAF as an instructor pilot in four different USAF aircraft and over 12 years as a Professor at the USAF Academy teaching Aeronautical and Mechanical Engineering, this included a sabbatical as the Chief Scientist of the USAF European Office of Research and Development in London. Since retiring from the USAF, I began a career with Engineering Systems Inc. (ESI) analyzing and reconstructing aviation accidents. In addition to my engineering work, I held several management positions with ESI, including nine years as Chairman of the Board where I led the company to more than double in size and revenue. I am currently a Principal Emeritus at ESI.

AIAA ACTIVITIES AND HONORS

I am a Fellow of AIAA. In my 40+ years as an AIAA member, I've served in many volunteer positions at the section and national level including three-year terms as Vice President for Technical Activities and Vice President for Finance. Currently, I serve as a Distinguished Lecturer, Chairman of the IAG's Strategy and Implementation Committee, member of the Ethics Committee, and member of the Executive Nominating Committee. I have several AIAA awards, including the 2009 Energy Systems Award and the 2017 Distinguished Service Award.



Bryan Kowalczyk

AIAA MEMBER

Over the last three years I have been active with the Young Professionals Group (YPG). In this time I have been involved in many of the group's activities and see the challenges

it faces. The goal of the YPG is to be a voice for all young professionals and graduating students finding their place in the aerospace industry and AIAA. I hope to use my previous experience to continue the growth of other young professionals so they may get the most out of AIAA. Many recent graduates do not continue in AIAA, so it is important to keep the retention up and have the YPG be a focal point for young professionals in AIAA internationally, regionally, and locally.

BIOGRAPHY

I received my B.S. and M.S. in Aerospace Engineering with a focus on uncrewed systems. I am currently the Co-Director of the Applied Autonomy Lab at the University of Cincinnati Digital Futures. My main research focus is on uncrewed systems, Advanced Air Mobility, and Connected Automated Vehicles. I am also an Adjunct Professor in Aerospace Engineering and Fire Science and Emergency Management, teaching courses for first responders and next-generation technologies.

AIAA ACTIVITIES AND HONORS

Chair, Engagement Committee, YPG (2021-present); Chair, Communications Committee, YPG (2021); Member, Young Professionals Group (2020-present); Faculty Advisor, AIAA UC Student Branch (2019-present).

Other Activities and Honors

Member, AUVSI (2018-present); Volunteer, Southwest Ohio Regional Public Safety Drone Team

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