



AIAA Technical Committee Recruiting Webinar

October 8, 2025

AIAA: Shaping a Bold Future Together



**LEAD HUMANITY
BEYOND PLANET
EARTH**



**DEFINE NEXT
CENTURY OF
FLIGHT**



**CREATE THE
WORLD
WE DREAM**

AIAA KEY ROLES

**Connect
People,
Ideas, and
Resources**

**Advance
Career
Journeys**

**Build
Technical
Agility and
Cohesion**

**Establish
United Front to
Solve Critical
Issues**

AIAA Aerospace Technical Leadership



Nearly
33,000
Members



8,000+
Student
Members



91
Countries



92
Corporate
Members

MEMBER ENGAGEMENT

71 TECHNICAL
COMMITTEES

21 INTEGRATION &
OUTREACH COMMITTEES

58 LOCAL SECTIONS ACROSS
7 GEOGRAPHIC REGIONS

20 COMMITTEES
ON STANDARDS

TECHNICAL EXCELLENCE

8 PEER REVIEWED
JOURNALS

200K TECHNICAL PAPERS
ONLINE - ARC

230K AEROSPACE AMERICA –
TRUSTED NEWS & INSIGHTS
ADIENCE

100+ ONLINE TECHNICAL
COURSE CATALOG

What is an AIAA Technical Committee (TC)?

AIAA TCs bring together experts from around the globe to:

Advance

The technical body of knowledge in
aeronautics and astronautics

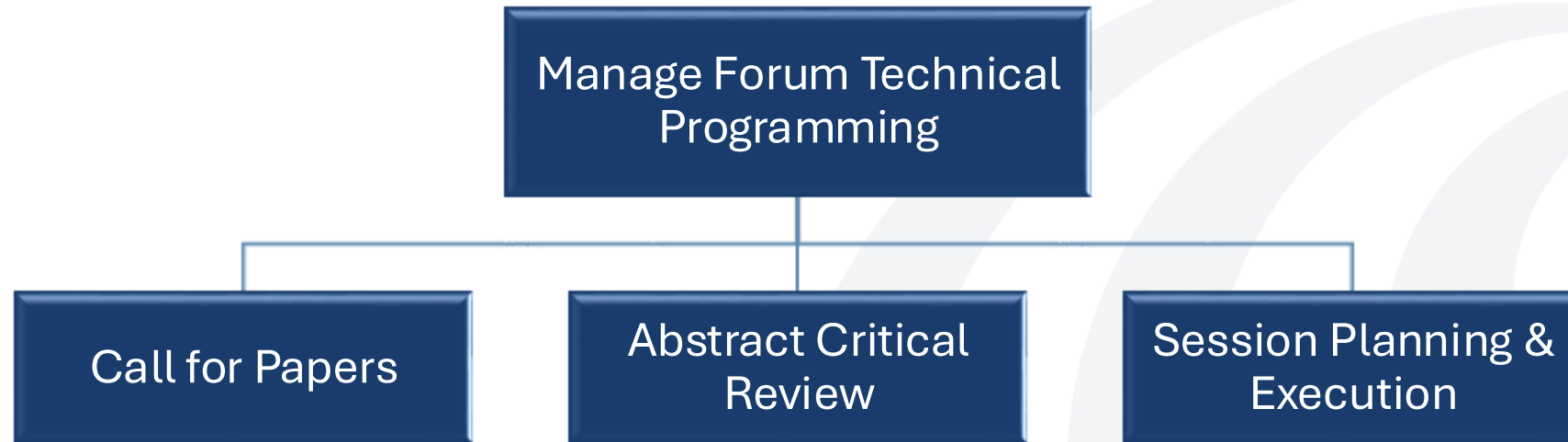
Develop

Technical products, services, and
publications

Recognize

Outstanding contributions to the
aerospace profession

What does an AIAA TC do?



TCs also:

- **Develop** workshops and continuing education offerings.
- **Nominate, recommend, & judge** candidates for career achievement, graduate student, and other awards.
- **Sponsor** student design competitions & best paper awards.

Why Should I Join a TC?

- Collaborate with and learn from colleagues across academia, government, and industry.
- Influence technical content at AIAA's Technical Forums.
- Have a voice on technical topics of interest at the national and international levels.

Why participate? *By engaging with the broader aerospace profession, TC members enhance their professional & personal experiences toward a more fulfilling career!*

How do I join a TC? & Who else joins TCs?

- Go to: <https://aiaa.org/get-involved/committees-groups/technical-committees/>
- Hit the “Apply Now” button and follow the instructions.
- Technical Committees help develop the **next-generation aerospace workforce** with the support of **exemplary professionals** across:
 - Industry, Academia, and Government
 - U.S. and internationally
 - Late, Mid, Early Career Professionals and Students

**The TC
Application portal
is now open**

**Applications are
due by October 16**

**You may apply to
at most two TCs**

AIAA Technical Activities Division (TAD) Leadership Team

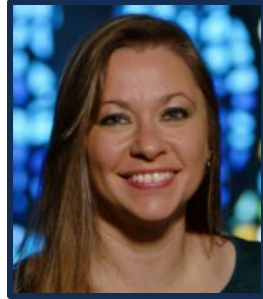
71 Technical Committees
across 6 TAD Groups



Division Chief
Lesley Weitz
The MITRE Corporation
2023-2026



Program Manager
Michael Lagana
AIAA
2025-



Aerospace Design and Structures
Dawn Phillips
NASA Marshall Space Flight Center
2024-2027



Aerospace Sciences
Martiqua Post
US Air Force Academy
2024-2027



Aircraft Technology, Integration & Operations
David Maroney
The MITRE Corporation (Ret.)
2023-2026



Information Systems
Michel Ingham
NASA JPL
2025-2028



Propulsion and Energy
Rusty Powell
Astrion
2025-2028



Space and Missiles
Stephen Blanchette
The Aerospace Corporation
2023-2026



Technical Integration Subcommittee
Vladimir Balabanov
The Boeing Company



Forums Integration Subcommittee
João Luiz Azevedo
Instituto de Aeronáutica e Espaço



Space & Missiles Group (SMG)

Stephen Blanchette Jr., SMG Director

Director, Software Systems & Acquisition, The Aerospace Corporation

Contact Information: stephen.blanchette@aero.org





Space and Missiles Group

- *At the center of a New Space Age, our members transform science fiction into reality – every day*
 - *exploration, research, commerce, tourism, defense...*

Current TCs in SMG

Gravity Dependent Science and Technology TC



Reusable Launch Vehicles TC



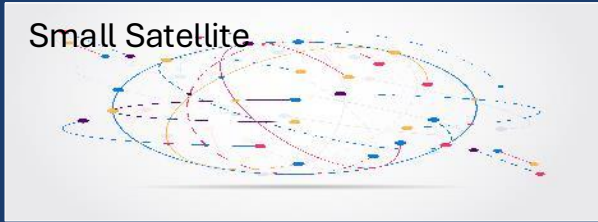
Space Architecture TC



Weapon System Effectiveness TC



Small Satellite



Life Sciences & Systems TC



Space Logistics TC



Space Systems TC



Space Automation & Robotics TC



Space Tethers TC



Space Resources TC



Missile Systems TC



Space Operations & Support TC



Space Settlement TC



SMG TC Highlights from 2025

STEM Outreach – several essay and design competitions

Conference planning, coordination, participation (ASCEND, SciTech, DEFENSE)

Awards

- AIAA Missile Systems Award (presented at DEFENSE 2025)
- AIAA Jeffries Aerospace Medicine and Life Sciences Research Award (in selection now)
- AIAA Microgravity and Space Processes Award (to be presented at SciTech 2026)

Support for members seeking advancement to Associate Fellow and Fellow

We're also engaged in updating our TCs to ensure we remain relevant in the evolving space ecosystem

SMG TC Recruiting

TCs currently recruiting *Active* Members

- Space Settlement
- Missile Systems
- Space Operations and Support
- Space Architecture
- Small Satellites

All TCs are accepting nominations – please apply!

We're also exploring new topic areas—please contact me if interested!

- Space traffic management
- Ground stations & facilities
- Earth observation
- Rescue/Emergency response
- Planetary defense
- Space weather
- Space/orbital data centers
- Space domain awareness



Don't see your interest
addressed?
Reach out to me; it
may be covered
elsewhere!



Aircraft Technology, Integration, and Operations Group

David R. Maroney, ATIO Director

Principal Aviation Systems Engineer, Retired

Center for Advanced Aviation Systems Development (CAASD), The MITRE Corporation

Contact Information: DRMaroney@gmail.com



Aircraft Technology, Integration, and Operations (ATIO) Group

Lesley Weitz – Chief, Technical Activities Division Staff Liaison: Angie Lander			
AEROSPACE DESIGN AND STRUCTURES GROUP Dawn Phillips, Director <i>Vladimir Balabanov – Dep Dir for Cross-Institute Coordination</i> <i>Steve Arnold – Deputy Director for Forum Coordination</i> <i>Walt Silva – Deputy Director for TC Coordination</i> Adaptive Structures – Jeff Kauffman Design Engineering – Jessica Widrick Materials – Evan Pineda Multidisciplinary Design Optimization – Mike Henson Non-Deterministic Approaches – Gianluca Geraci Spacecraft Structures – Manan Arya Structural Dynamics – Anubhav Datta Structures – Scott Norwood Survivability – Adam Goss Systems Engineering – Mat French	INFORMATION SYSTEMS GROUP Michel D. Ingham, Director <i>Misty Davies – Deputy Director for Intra-Group Collaboration</i> <i>John Valasek – Deputy Director for Cross-Group Collaboration</i> <i>Daniel “Dani” Selva – Deputy Director for Forums</i> <i>Jimmie McEver – Deputy Director for Defense</i> Communications Systems – Rob Singh Computer Systems – Christopher Coley Digital Avionics – Mark Darnell Human-Machine Teaming – Terry Morris Information and Command and Control Systems – Ali Raz Intelligent Systems – Justin Bradley Sensor Systems and Information Fusion – Nick Napoli Software – Umut Durak	AIRCRAFT TECHNOLOGY, INTEGRATION, AND OPERATIONS GROUP David Maroney, Director <i>Phillip Ansell – Dep Dir for Cross-Institute Coordination</i> <i>David Levy – Deputy Director for Forums</i> <i>Scot Campbell – Deputy Director for Aircraft Operations</i> Aerospace Lifecycle Management – James Chou Aircraft Operations – Gabriele Enea Air Transportation Systems – Min Xue Flight Testing – Cody Hydrick <i>Danielle Soban – Deputy Director for Aircraft Technologies</i> Aerodynamic Decelerator Systems – Aaron Morris Aircraft Design – Douglas Wells Balloon Systems – Javier Romualdez Electrified Aircraft Technology – Gökçin Çınar General Aviation – Matt Crink HyTASP – Hicham Alkandry Lighter-Than-Air Systems – Michael Conners V/STOL Aircraft Systems – Marcus McWaters	TAD Liaisons Publics Committee – Jeff Ham Honors & Awards – Jim Gugli Publications – Wayne Hurw Standards – Ron Kohl Public Policy Liaison Steve Broussard, ADS Crystal Pasillao, ASG Phillip Ansell, ATIO Re Jimmie McEver, ISG Re Mirjo Gamba, PEG Re Kenneth Lui, SMG Re Technical Integration Subcommittee (TIS) Vladimir Balabanov, C Steve Beresh, ASG Re Phillip Ansell, ATIO Re Jimmie McEver, ISG Re Tom Smith, PEG Re Ron Kohl, SMG Re Forums Integration Subcommittee (FIS) Joao Luiz Azevedo, Ch Steve Arnold, ADSG Re David Levy, ATIO Re Dani Selva, ISG Re Stephanie Sawhill, PEG Dustin Otten, SMG Re
AEROSPACE SCIENCES GROUP Martiqua Post, Director <i>Joao Luiz Azevedo – Deputy Director for Forum Coordination</i> <i>Steve Beresh – Deputy Director for Disruptive Engagement</i> <i>Crystal Pasillao – Deputy Director for TC Engagement</i> <i>Chris Cotting – Deputy Director for Strategic Planning and Initiatives</i> Aeroacoustics – Clifford Brown Aerodynamic Measurement Technology – Amy Fagan Applied Aerodynamics – Mehdi Ghoreyshi Astrodynamics – Kyle DeMars Atmospheric and Space Environments – Charlie Zheng Atmospheric Flight Mechanics – Jared Grauer Fluid Dynamics – Manan Vyas Ground Testing – Chris Jorgens Guidance, Navigation and Control – Joseph Connolly Meshing, Visualization & Computational Environments – Ryan Durscher Modeling and Simulation – Scott Kowalchuk Plasmdynamics and Lasers – Albina Tropina Thermophysics – Kevin Weed	PROPULSION AND ENERGY GROUP Rusty Powell, Director <i>Stephanie Sawhill – Deputy Director for Forum Coordination</i> <i>Wayne Hurwitz – Deputy Director at Large and Operations</i> Stephen Lynch, Deputy Director for Air Breathing Propulsion Gas Turbine Engines – Veeraraghava Raju Hasti High Speed Air Breathing Propulsion – Bob Moehlenkamp Inlets, Nozzles, and Propulsion Systems Integration – Stefanie Hirt Pressure Gain Combustion – Donald Ferguson Kurt Polzin – Dep Dir for Rocket, Space & Advanced Propulsion Electric Propulsion – Kristina Lemmer Energetic Components and Systems – Jim Baglini, Jr. Hybrid Rockets – Trevor Elliott Liquid Propulsion – Nathan Andrews Nuclear and Future Flight Propulsion – Greg Meholic Propellants and Combustion – Adam Steinberg Solid Rockets – Barbara Lakota Ashwani Gupta – Deputy Director for Energy Aerospace Power Systems – Jeremiah McNatt Terrestrial Energy Systems – Tarek Abdel-Salam	SPACE AND MISSILES GROUP Stephen Blanchette, Director <i>Karen D. Barker – Deputy Director</i> <i>Ron Kohl – Deputy Director</i> <i>Dustin Otten – Deputy Director</i> <i>Tim Wadhams – Deputy Director</i> Life Sciences and Systems – Christopher Nie Gravity Dependent Science and Technology – Kenneth Lui Missile Systems – Brandon Chynoweth Reusable Launch Vehicles – Amrutur Anilkumar Small Satellite – Shannon Statham Space Architecture – Georgi Petrov Space Automation and Robotics – Samantha Chapin Space Settlement – Robert Noteboom Space Logistics – Paul Grogan Space Operations and Support – Sweetie Pate Space Resources – Bob Moses Space Systems – John Carsten Space Tethers – Eleonora Botta Space Transportation – TBD Weapon System Effectiveness – Nick Mueschke	Last updated Aug 27, 2023

AIRCRAFT TECHNOLOGY, INTEGRATION, AND OPERATIONS GROUP

David Maroney, Director

Phillip Ansell – Dep Dir for Cross-Institute Coordination

David Levy – Deputy Director for Forums

Scot Campbell – Deputy Director for Aircraft Operations

Aerospace Lifecycle Management – James Chou

Aircraft Operations – Gabriele Enea

Air Transportation Systems – Min Xue

Flight Testing – Cody Hydrick

Danielle Soban – Deputy Director for Aircraft Technologies

Aerodynamic Decelerator Systems – Aaron Morris

Aircraft Design – Douglas Wells

Balloon Systems – Javier Romualdez

Electrified Aircraft Technology – Gökçin Çınar

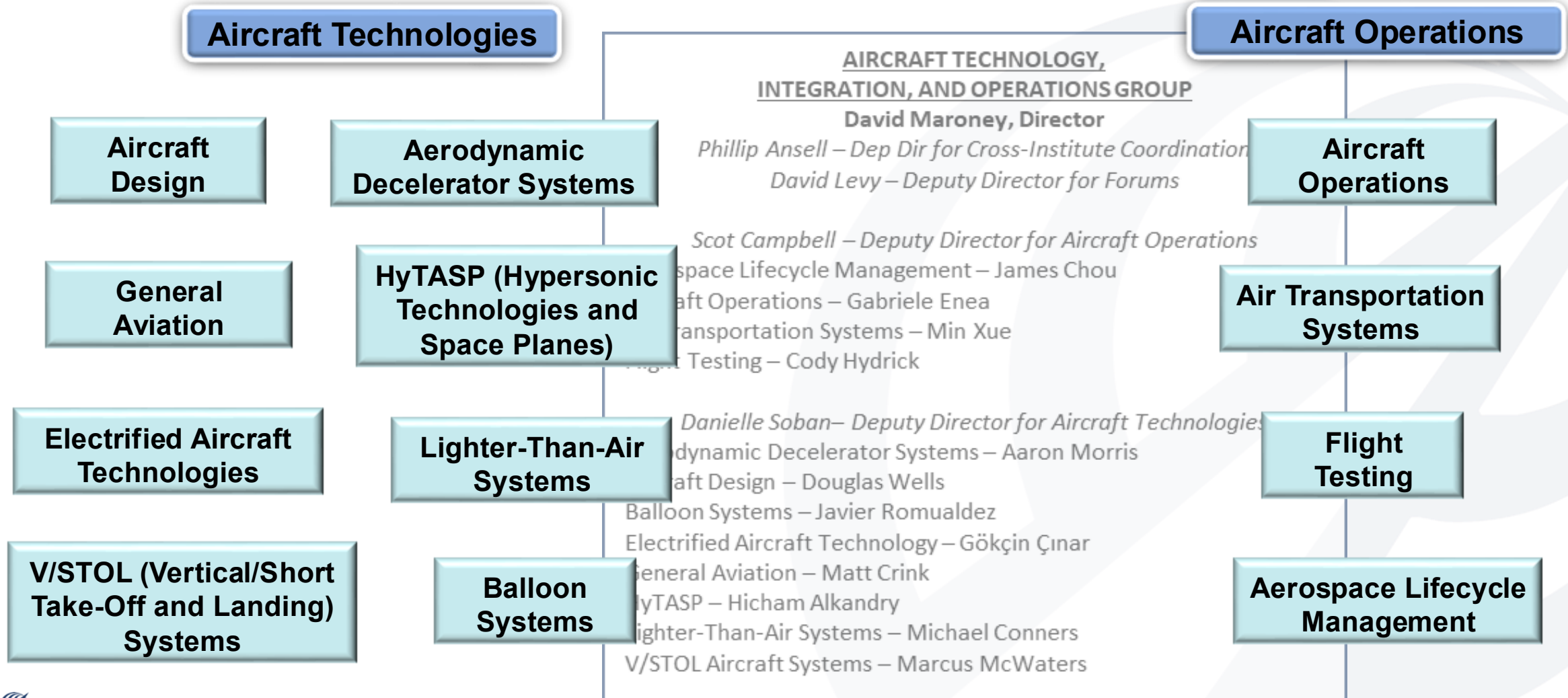
General Aviation – Matt Crink

HyTASP – Hicham Alkandry

Lighter-Than-Air Systems – Michael Conners

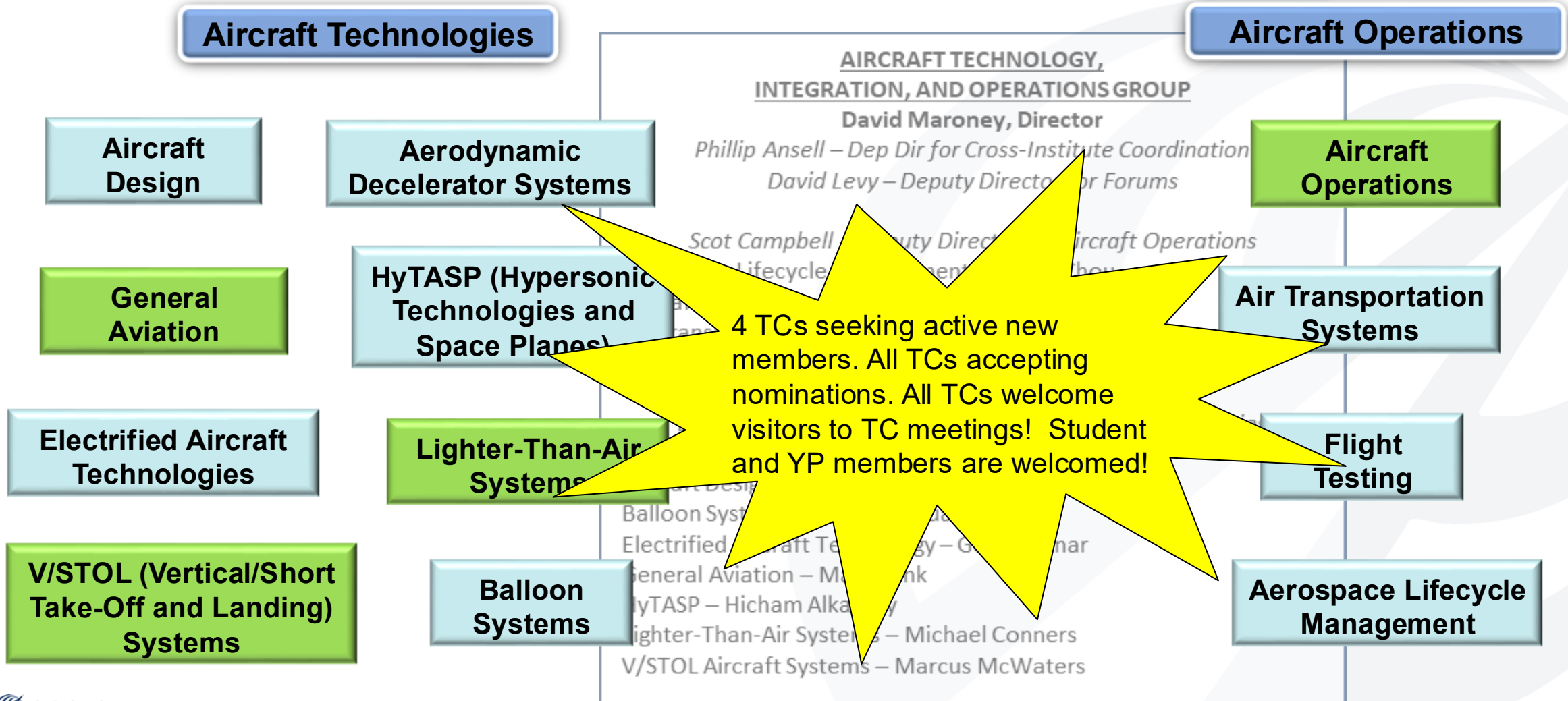
V/STOL Aircraft Systems – Marcus McWaters

TCs in ATIO Group



Interested?

Join the TC in the ATIO Group that catches your eye!



Questions?

Contact:

David R. Maroney

ATIO Director

DRMaroney@gmail.com



Aerospace Design & Structures Group

Dr. Dawn Phillips, ADSG Director

MSFC Assistant Chief Engineer for the International Space Station, NASA Marshall Space Flight Center

Contact Information: dawn.r.phillips@nasa.gov



2025-2026 ADSG Org Chart

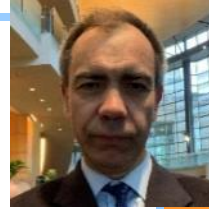
Last updated:
May 2025



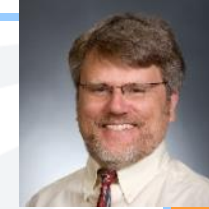
Director
Aerospace Design & Structures Group
Dawn Phillips



Deputy Director
TC Coordination
Walt Silva



Deputy Director
Cross-Institute Coordination
Vladimir Balabanov



Deputy Director
Forum Coordination
Steve Arnold



Structures
Scott Norwood (2024-26)
Stan Smeltzer



Design Engineering
Jessica Widrick (2024-26)
TBD



Survivability
Adam Goss (2024-26)
Tony Di Carlo



Materials
Evan Pineda (2025-2027)
Jessica Piness

Non-Deterministic Approaches
Gianluca Geraci (2025-27)
Diane Villanueva



Adaptive Structures
Jeff Kauffman (2024-26)
Alexander Pankonien

Multi-Disciplinary Optimization
Michael Henson (2025-2027)
Ana Cuco



Spacecraft Structures
Manan Arya (2024-26)
Juan Fernandez

Systems Engineering
Mat French (2024-26)
Mike Miller



SciTech 2026
Forum Tech Chair
Zahra Sotoudeh
Jessica Piness
Student Papers Chair
Ellen McIsaac
Kevin Haughn



Public Policy Committee Liaison
Steven Broussard
Council Nominating Committee Rep
Jon Black
Publications Liaison
Gary Seidel



Aerospace Sciences Group



Martiqua Post, ASG Director

Deputy Program Manager, DARPA

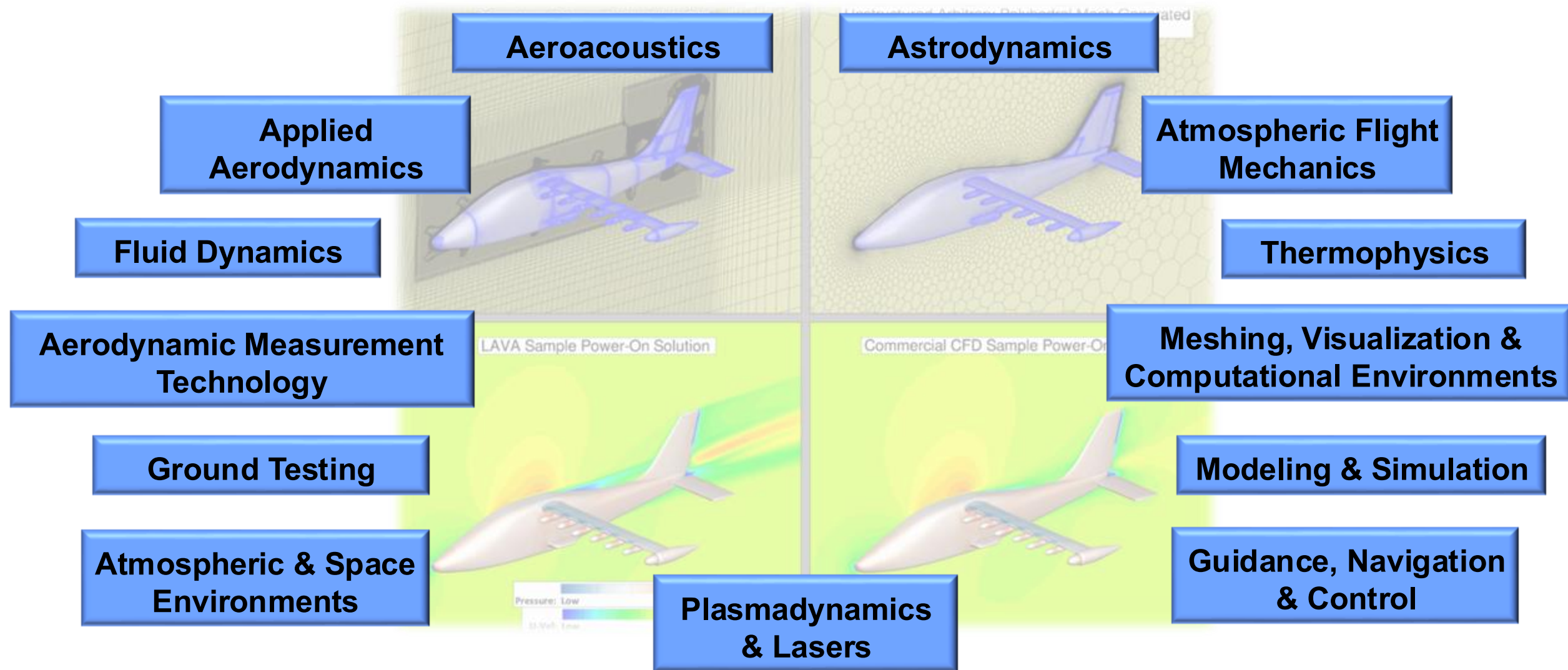
Professor of Aeronautical Engineering, US Air Force Academy

Contact Information: Martiqua.Post@afacademy.af.edu

Joao Luiz Azevedo, ASG Deputy Director
Senior Research Engineer and Adjunct Professor
Aerospace Technical Center, Brazil



TCs in Aerospace Sciences Group



<https://engage.aiaa.org/aerospace-sciences/home>

ASG Highlights

- ASG generates significant high-quality technical content for SciTech, Aviation, and Ascend Forums
- Most of ASG's 13 TC have members who are engaged and actively participating in AIAA Forums, TC meetings, and other activities
- ASG TC's hosts a variety of successful Working Groups Meetings, Online Short Courses, and in-person Workshops

ASG TC Highlights

Membership Advancements/Appreciation

- ASG TC members induct several new Associate Fellows in the Class of 2025
- Modeling and Simulation TC held an author appreciation event at multiple Aviation Forums

Process Improvements

- Atmospheric Flight Mechanics Technical Committee developed a SciTech Lifecycle Document
- Meshing, Visualization, and Comp Env TC created more joint sessions, improved cross-pollination and collaboration

Forum Successes

- Aerodynamics Measurement Tech TC has hosted (for multiple years) a special session Highlighting Women in Aerospace
- Plasmadynamics and Lasers TC hosted 2 special sessions to commemorate 25th Ann. of Weakly-Ionized Gases Workshops
- Atmospheric and Space Env TC coordinated on 2nd Ice Prediction workshop (at SAE Conf in Vienna); 10 TC members attended
- At SciTech 2025 Fluid Dynamics Technical Committee hosted a Special Session: Active Flow Control, in Honor of Avi Seifert



Propulsion & Energy Group

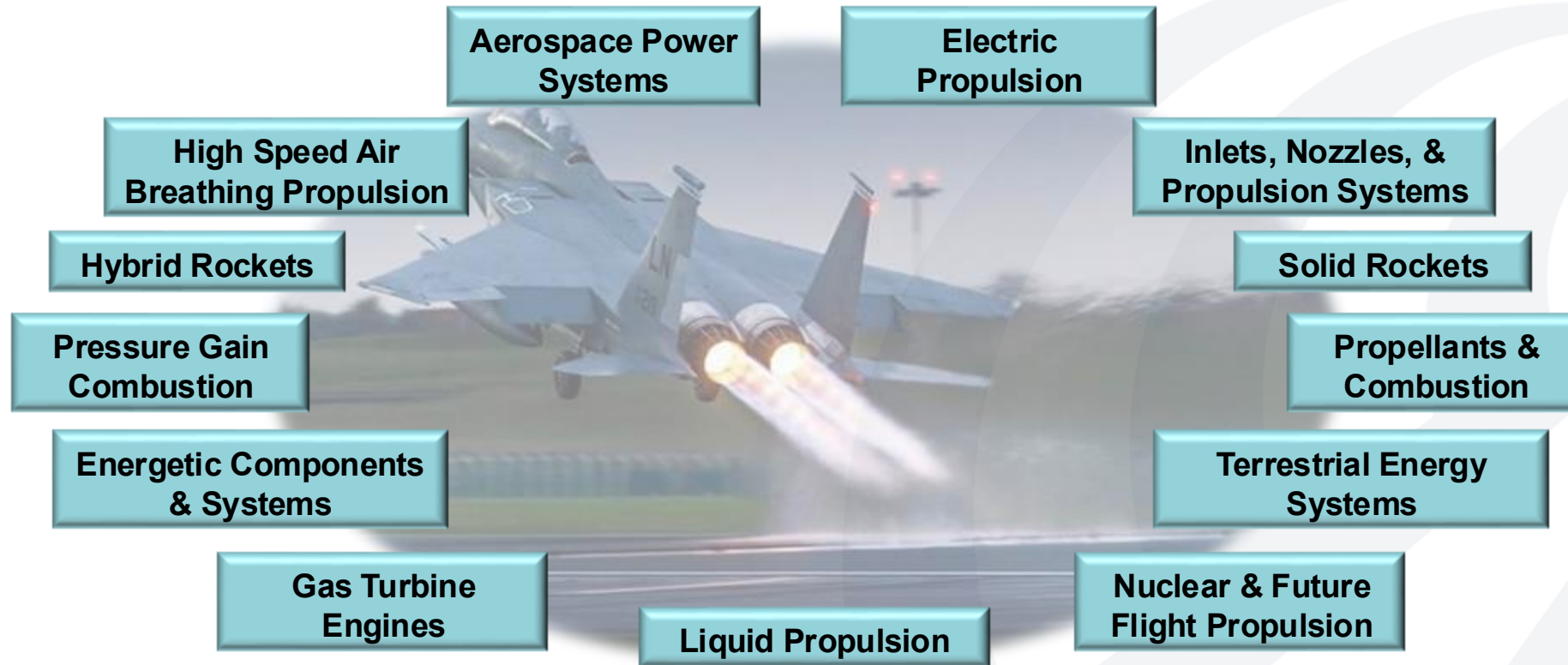
Dr. Rusty Powell, P&E Group Director

VP, Space Integration, Astrion

Contact Information: rusty.powell@astrion.us



TCs in Propulsion & Energy Group



<https://engage.aiaa.org/propulsion-and-energy/home>

P&E Group Recent Highlights

- AIAA-Level awards continue
- PGC established award (PGC Technical Achievement)
- All TCs completed year-in-review articles
- Student members – added to many TCs, encourage more
- Group has supported additional technical content at ASCEND – continuing for future events
- Multiple TCs supporting cross collaboration for technical content at events

P&E TCs Recruiting New Members



<https://engage.aiaa.org/propulsion-and-energy/home>



Information Systems Group

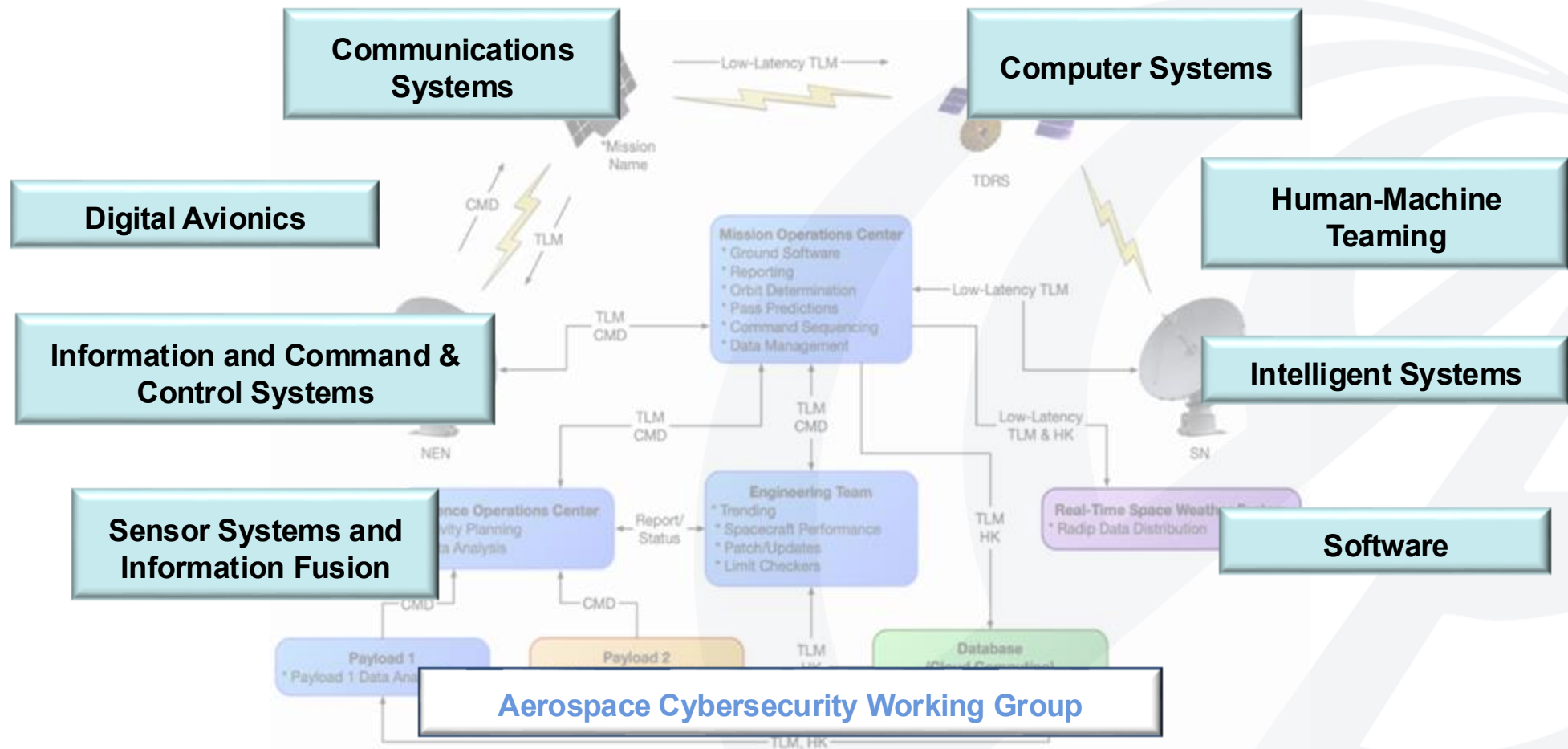
Michel D. Ingham, ISG Director

Chief Technologist, Systems Engineering Division, NASA Jet Propulsion Laboratory

Contact Information: michel.d.ingham@jpl.nasa.gov



TCs in Information Systems Group



<https://engage.aiaa.org/information-systems/home>

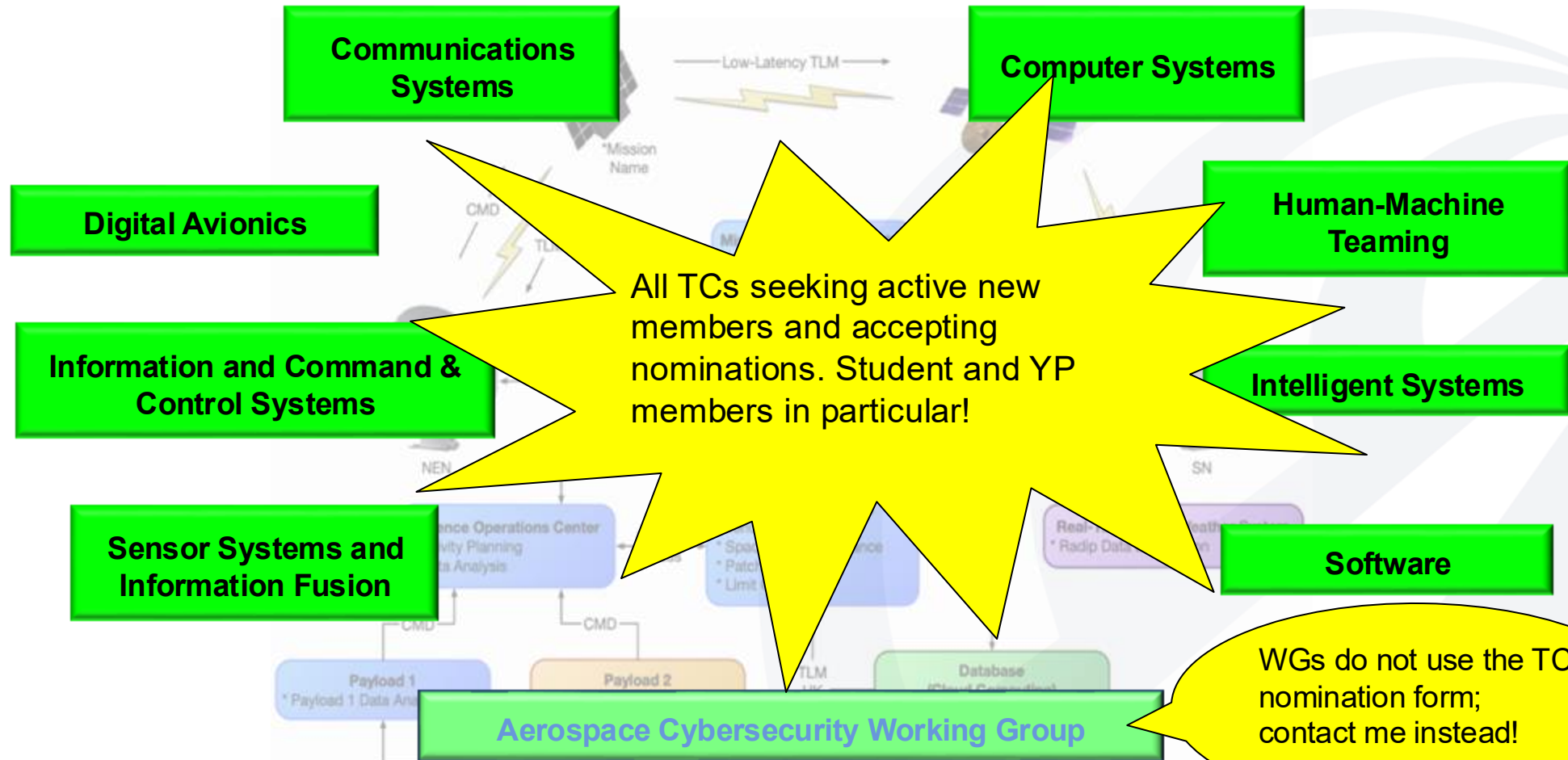
IS Group TC Highlights from 2025

- Communication Systems:
 - Organized and held 42nd ICSSC and Colloquium in Barcelona, Spain, September 23-25, 2025 (AIAA-cosponsored conference).
 - Presented 2025 AIAA Aerospace Comms Award to Rod Fleck for his technical contributions and leadership in developing LEO broadband communication systems for SpaceX's Starlink and Amazon's Kuiper projects.
- Digital Avionics:
 - Organized 44th DASC on September 14-18, 2025, in Montreal, Canada, and ICNS Conference on April 8-10, 2025, in Brussels, Belgium.
 - Held huge annual STEM event for 10–17-year-old students, called Aviation Tech, at Oshkosh Air Venture.
- Human-Machine Teaming:
 - Working on joint sessions at Scitech 2026 with other TCs and ICs, including the Digital Engineering IC and Transformational Flight TC.

IS Group TC Highlights from 2025 (contd.)

- Information, Command & Control:
 - Held successful Paper and Panel sessions at SciTech 2025.
- Intelligent Systems
 - Completed a significant revision to the ISTC Procedures Manual.
 - Selected Prof. Missy Cummings as 2026 Intelligent Systems Award Winner.
- Sensor Systems and Information Fusion:
 - Completed selection of best paper for SciTech 2025 and plan to present the award at SciTech 2026.
- Software:
 - Members supporting multiple standardization efforts and working on new edition of AIAA Aerospace Software Eng'g Handbook.
- Continuing our strong support to AIAA Domain Task Forces and Initiatives
(Transformative Systems Engineering TF, Defense Working Group)

ISG TCs Recruiting New Members



<https://engage.aiaa.org/information-systems/home>



Thank You