

Quick AIAA Overview and Who I Am in AIAA

Lawrence “Robbie” Robertson
Space and Missile Group Director,
Technical Activities Division

AIAA Vision & Mission Statement

- **AIAA Vision Statement:**
 - AIAA's vision is to be the voice of the aerospace profession through innovation, technical excellence, and global leadership.
- **AIAA Mission Statement:**
 - AIAA exists to help aerospace professionals and their organizations succeed.

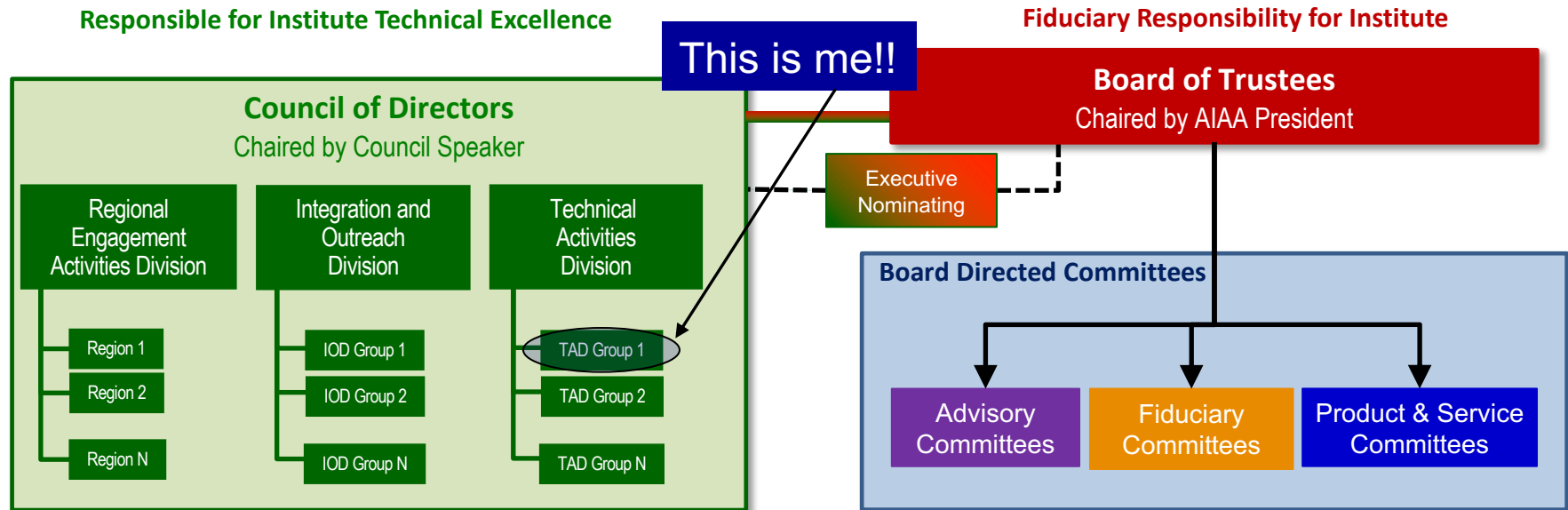
Shaping the Future of Aerospace

AIAA's Value to the Community

- Advocacy for aerospace issues
- Networking with aerospace professionals
- Recognition of contributions/contributors
- Partnership with others in broader international, educational, and professional arenas
- Professional and corporate involvement/growth
- Customized services of cost effective products and services tailored to meet organizational strategic needs
 - Publications, Standards, Conferences, Technical/Program Committees, Continuing Education, etc.



AIAA Top-Level Organizational Structure



- Board of Trustees sets strategy and approves resources (fiduciary responsibility).
- Council of Directors represents and manages membership and aids in filling board directed committees and activities (technical excellence).

Space & Missile Group Summary

Group Overview

Group Director: Lawrence “Robbie” Robertson
Home Organization: US Air Force Research Lab
Phone/Email: (505) 280-3491

Number of Committees: 15

As of: 10 Jan 2021

Total Members: 393

- **Industry:** 176 / 45%
- **Government:** 135 / 34%
- **Academia:** 82 / 21%

- **Member:** 99 / 25%
- **Sr. Member:** 160 / 41%
- **Ass. Fellow:** 119 / 30%
- **Fellows:** 15 / 4%

Top 4 Accomplishments

- **Great support and engagement from across SMG for the Inaugural ASCEND event – reboot of AIAA SPACE conference**
- **TAD level Defense Working Group being worked by Missile Systems & Weapon System Effectiveness TCs**
- **Space Architecture Facebook page reached 2,100 “likes” and 11,900 web visitors. Started Instagram page.**
- **Space Systems TC Middle School Essay Contest, <https://aerospaceamerica.aiaa.org/bulletin/december-2019-aiaa-bulletin/>**

Forum Support

- **ASCEND (10 TCs Organized areas based on topics instead of TCs)**
- **2019 DEFENSE Conference (32 sessions) – highest attendance**
- **2019 Int’l Conf on Environmental Systems (ICES) (575 Papers)**
- **AIAA Propulsion and Energy Forum – 9 papers (Space Architecture)**
- **Space Architecture Symposium at ICES – 15 papers**

Honors & Awards

- **AIAA Jeffries Aerospace Medicine and Life Sciences Research Award**
- **ICES Award for Technical Excellence (Life Sciences)**
- **Missile System Award - presented at Defense 2019**
- **AIAA Space Processing Award (2019) – presented at ASGSR meeting**
- **Best papers – Space Architecture Student and Professional Awards**
- **AIAA Space Systems Award (2019)**
- **Von Braun award for Excellence in Space Program Management**
- **Other awards in other years**

Education

- **“Transdisciplinary and inter-generational Space Architecture”, pre-IAC panel for YPs**
- **“History of Hypersonics” course at Defense 2019 – 100 attendees**

Director
Aerospace Design & Structures Group
Lawrence “Robbie” Robertson

Jan 2021

Forum Coordination
Lawrence Robertson

ASCEND 2020
John Reed, Technical Chair
Vince Shultz Deputy Tech Chair
John Reed, Macro/Micro Chair

ASCEND 2021
Karl Garman, Technical Chair
Vince Shultz Deputy Tech Chair
John Reed, Macro/Micro Chair
Lawrence Robertson Macro/Micro Deputy

ASCEND 2022
TBD, Technical Chair
TBD Deputy Tech Chair
TBD, Macro/Micro Chair
TBD, Macro/Micro Deputy

Dustin Otten, Allison Cash
Defense Working Group

Deputy Director
Karen Barker

μ-Gravity & Space Process
Sunil Chintalapati

Missile Sytems
Dustin Otten

Reusable Launch Vehicles
Robert Seibold

Space Logistics
Koki Ho

Space Operations & Support
Michael Squire

Space Systems
John Bloomer

Space Transportations
Clinton Plaisted

Weapons Effectiveness
Allison Cash

Deputy Director
Ron Kohl

Life Sciences
James Nabity

Small Satellites
Scott Palo

Space Architecture
Olga Bannova

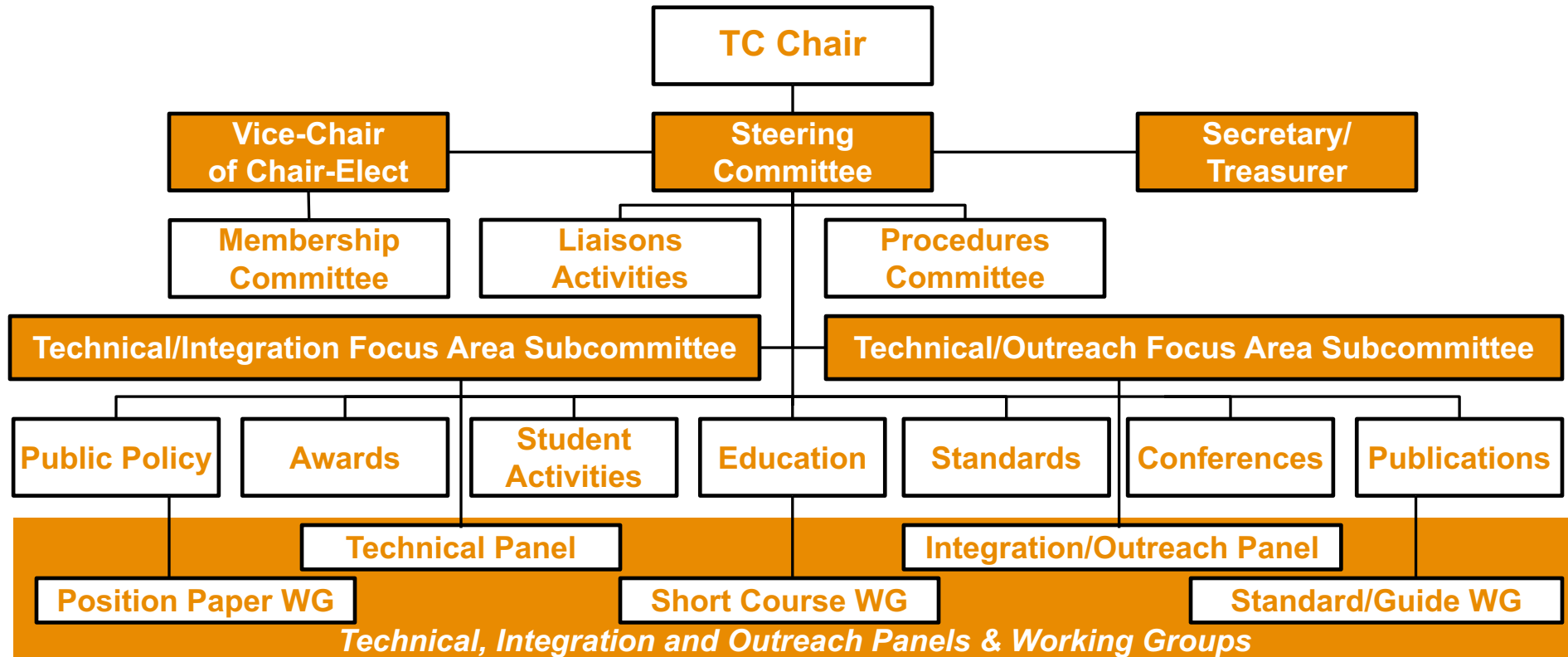
Space Automation & Logistics
Gardell Gefke

Space Colonization
Bryce Meyer

Space Resources
Laurent Sibille

Space Tethers
Zheng Hong Zhu

Example: Committee Organization (Chair “Down”)



Questions??

- Contact Information
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AERONAUTICS AND ASTRONAUTICS