IEEE Aerospace Electronic Systems
President’s Report

Mark E. Davis
IEEE AESS President

2022 BoG Spring Meeting (New York NY)
25-26 March 2022
• Introduce New Board of Governors & Officers
• AESS Strategic Planning Meeting Goals
• IEEE TAB Objectives
• Summary
## 2022 AESS Board of Governors

### Class of 2020-2022
- W. Dale Blair
- Michael Braasch
- Fabiola Colone
- Fulvio Gini
- Wolfgang Koch
- Kathleen Kramer
- George Schmidt
- Luke Rosenberg

### Class of 2021-2023
- Laura Anitori
- Steve Butler
- Michael Cardinale
- Alexander Charlish
- Stefano Coraluppi
- Braham Himed
- Lorenzo Lo Monte
- Peter Willett

### Class of 2022-2024
- Alfonso Farina
- M. Sabrina Greco
- Hugh Griffiths
- Laila Fabi Moreira
- Robert Rassa
- Michael Noble
- Roberto Sabatini
- Puneet Mishra
Undergraduate Student Rep
Mehak Jetly

Graduate Student Rep
Sarana Tse

Young Professionals Rep
Philipp Markiton

Operations Manager
Amanda Osborn
2022 AESS Officers

President
Mark Davis

President-Elect
M. Sabrina Greco

Past President
Walter Downing

Secretary
Francesca Filippini

Treasurer
Robert Rassa

VP Conferences
Braham Himed

VP Education
Alexander Charlish

VP Finance
Peter Willett

VP Industry Relations
Michael Noble

VP Member Services
Laila Fabi Moreira

VP Publications
Lance Kaplan

VP Technical Operations
Michael Braasch
Near Term Focus Of AESS Strategy

▸ Provide **SWOT** Planning For Each VP Area
  - **Strengths**: What Has Been Accomplished In Last 3 Years
  - **Weaknesses**: Define Areas Of Growth (3 Years) Needed To Improve Services
  - **Opportunities**: Define Quantified Plans And Collaborations Needed
  - **Threats**: What Environmental Issues, That require Short-Term Action To Mitigate

▸ Planning For Returning To Normalcy From COVID19 Pandemic
▸ Quantify Attainable Metrics For Next 3 Years
▸ Each VP To Identify Cross-committee Collaborations

IEEE TAB Established New Objectives For 2022-2025
AESS Milestones – Past 6 years

- Significant Increase in Diversity – Geographic, Gender/Age, Technical Breadth
- Conferences: Increase In Breadth And Surplus, With Students and WIE Content
- Publications: Significant Changes In Content, Magazine Quality, QEB Services
  - New Transactions On Radar Systems Passed Phase 1 Review
- Education: Strengthening (Virtual) Distinguished Lecture Programs, Short Courses
- Member Services: Increased Chapters In Region 9 and 10, Chapter Summits
- Awards: Michael Wicks Student Travel, System Engineering Scholarships

AESS Has Made Significant And Recognized Progress In Service To Our Members
Recent Activities for Membership

- **Trend:** Converging technologies are crossing multiple Society fields of interest
  - Multiple Society membership dues discounting to help encourage cross-Society partnership on projects and sharing volunteers (manual 2021, automated 2022)
  - Multiple Society membership discounting ad hoc committee considering a common approach for discounting dues to encourage an existing member to add an additional Society membership (2023 possible test)

- **Trend:** Concerns over the Fellows process with respect to industry candidates and diversity.
  - IEEE AdHoc on Fellows is reporting out in Society Presidents Forum.

- **Trend:** Reduced IEEE student memberships during COVID
  - MGA offered the FUTURE50 program discounting IEEE dues 50%, and several Societies duplicated that offering
  - TAB Management ad hoc to recommend more Societies duplicate the IEEE FUTURE50 offer

- **Trend:** Long-time low student membership join/retention rates
  - Several Societies reduced dues to $1-5 to lower the hurdle for IEEE Students to join their Society

Source: Nov.2021 TAB Membership Report
Strategy: Funding 2-3 Year Initiatives

- 3% rule funds are rather consistent
- 50% rule funds vary each year
- Yr 1: Recommend using 3% rule or 50% rule funds to get started
- Yr 2: Recommend using 3% rule, 50% rule or operational budget
  - Projects that will become operational should start migrating to operational budget
- Yr 3: Recommend using 3% rule, 50% rule or operational budget
  - Projects that will become operational must migrate to the operational budget after year three

Source: Nov.2021 TAB Finance Report
Hybrid Conference Initiative

- 2020 Initiative ($19K) – Develop A Hybrid In-person/Virtual Conference Platform
  - Provide Wide Geographic Access To AESS And Other Society Attendance
  - Protect Against Further COVID and And Government/Industry Reduction in Attendance
- Results of Proposal Evaluation – Selected Conference Catalysts For RadarConf22 NYC
  - IEEE Finance and AESS Treasurer Denied Application of $19K Initiative Funding
- Results of In-person plus Hybrid Adjunct Encouraging
  - Last Minute Registrations Arrived Due To NYC Lifting Mask Mandates

Hybrid Conference Very Successful For 2023 Radar Conference
• AESS BoG Meeting – In-person (80%) + Dial In (20%)

• Expect To Focus Each VP Areas On:
  • SWOT To Define AESS Strategies and Initiatives for Near Term (3 years)
  • Inter-Committee Collaboration To Improve Strategy Metrics
  • Inter-OU Collaboration For New Areas – Growth Of Technology

• Sabrina Leading The AESS Strategy Efforts
  • Planning On Judicious Application Of AESS Investments
  • How Does AESS Innovate For Future?

• Think About How We Implement Strategy From BoG Meeting 24-25 March