



IEEE Aerospace Electronic Systems President's Report

Mark E. Davis
IEEE AESSE President

2022 BoG Fall Meeting (Edinburgh UK)
20-21 October 2022

- Review of Officers & BoG Members
- IEEE TAB Summary
- AESS Milestones and Accomplishments
- AESS New Initiative Approved
- Summary

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



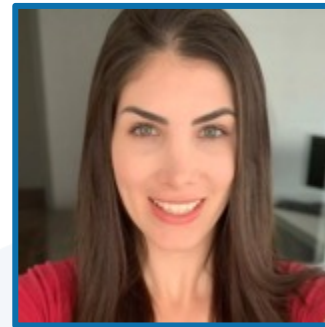
VP Education
Alexander Charlish



VP Finance
Peter Willett



VP Industry Relations
Michael Noble



VP Member Services
Laila Fabi Moreira



VP Publications
Lance Kaplan



VP Technical Operations
Michael Brasch

Class of 2021-2023



Laura Anitori



Steve Butler



Michael Cardinale



Alexander Charlish



Stefano Coraluppi



Braham Himed



Lorenzo Lo Monte



Peter Willett

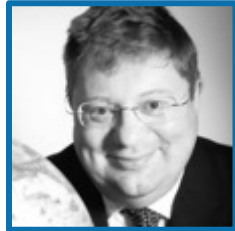
Class of 2022-2024



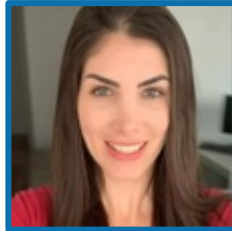
Alfonso Farina



M. Sabrina Greco



Hugh Griffiths



Laila Fabi
Moreira



Robert Rassa



Michael Noble



Roberto Sabatini



Puneet Mishra

Class of 2023-2025



W. Dale Blair



Arik Brown



Giuseppe A. Fabrizio



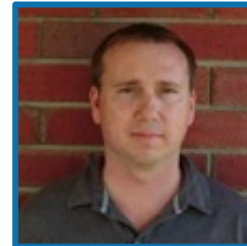
Francesca Filippini



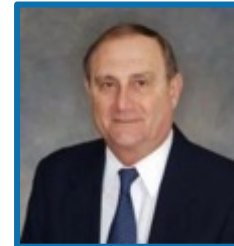
Wolfgang Koch



Marina Ruggieri



Luke Rosenberg



George Schmidt

IEEE Technical Activity Board Updates

- ▶ **Conferences:** Transition From COVID Virtual Content to F2F + Hybrid Is Encouraging
 - 2022 Shows A Return To 2018 Numbers ~ 2000 Conferences (Financial and Technical)
 - New Content Being Created By Switch to Virtual – Digital Library Initiative (Voice over PowerPoint)
 - Threat: Open Access Being Proposed (Europe) For Conferences
- ▶ **Publications:** PSPB States IEEE Provides Excellent Value To Support Price Increases.
 - Journals Pricing – expect 3.5% inflations
 - Threat: Open access and regional impacts of changing requirements and competitive transformative agreements; China 35% Publications Within China
 - IEL to Host 3rd Party Content: Larger Barrier for Entry For Competition
- **Finances:** Society/Councils Expected to exceed budget by \$3.2M
 - Initiatives Anticipated usage of 50% spending resulting in exceeding budget by \$3.1M

- ▶ Significant Increase in Diversity – Geographic, Gender/Age, Technical Breadth
- ▶ Conferences: In-Person With Breadth, Surplus, 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**

- AES 50th Anniversary Meeting Established – 14-15 February 2023, Princeton NJ
- Virtual Distinguished Lecture Series – Transitioned To Alex Charlish
- Successful In-Person/ mini-Hybrid Board of Governors Meetings
 - Officers Meeting Pisa Italy
 - Spring BoG, New York City,
- Industry Panels at Flagship Conferences
- T-RS Proposal Approved – EIC and Treasurer Selected
- India Student Branch Initiative – Several New Student Branch and Chapters
- Technical Panel Activities Revitalized With Multiple Zoom Meetings
- AES Technology Initiative **Distributed Sensing Technology and Education Initiative** Approved By IEEE TAB for 2023

- Distributed Sensing Technology and Education Initiative (DSTEI) **For Under-Represented Regions**
- Three-Year Initiative For Regions 9 & 10:
 - New Business In AESS Fields That Support Commercial Growth In Distributed Sensing Technology
 - Increase AESS Membership In The Region Within The Selected AESS Fields Of Interest (Distributed Sensing, Cyber Security, Data Fusion) And Applications
 - Apply AESS Distinguished Lectures and Technology Courses For Engineering Growth
 - Encourage Young Professionals and Small Businesses To Establish Sustainable Products
- Funding Mechanism: First Year Funding (\$120K) From 50-Percent Rule With AESS 2022 Surplus
 - First Year: Conduct Region Chapter Summits After Selection Of New Initiative Teams
 - Encourage Industry and Academia to Co-fund Transition To Small Businesses
 - Semi-annual Reports On Progress On Technology Education And System Transition
 - Final Competition For Best Applications – At 3rd -year Completion
- IEEE Objective: Developing Emerging Technologies For “Advancing Technologies for Humanity”



- AESS BoG Meeting – In-person (85%) + Dial In (15%)
- Planning for 50th Anniversary Meeting In February, Princeton NJ
- Expect To Continue Focusing 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 ISAC Efforts
 - Planning On Judicious Application Of AESS Investments
 - How Does AESS Innovate For Future?
- Think About How We Implement New Initiative For 2023