



IEEE Aerospace Electronic Systems VP Industry Relations

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2025 AESS Spring BoG Meeting

9-10 May, 2025

Atlanta, Georgia, USA

- Recent Accomplishments
- Pending Action Items & Next Steps
- Current Challenges & Issues
- Short-Term Goals
- Long-Term Goals

- Coordinated with GRSS IGARSS team on co-supporting industry engagement activities in Conferences
- Further action in June – delayed due to now completed job change

- Awards (no change...)
 - Industrial Innovation Award
 - Chaired by Barry Tilton
 - Winner has been selected
 - Awaiting guidance from Dale Blair on procedure from this point
- Recognition of industry award winners
 - Working to establish best timing to address broad audience
 - Looking to increase award exposure during the 2025 term

- AESS Virtual Panel: How to Succeed in Your Engineering Career
 - Now aligned and planned for October 30th as a part of the IEEE Virtual Career Fair. The Societies and Councils Industry Relations group are setting the agenda for the day, and we will join with our Panel as a session. This has the advantage of drawing potential hires TO the meeting and getting more attendees for our panel as well.
October 30, time TBD.
- AESS Virtual Panel: Issues in Autonomy and Defense
 - Potential panelists
 - Wolfgang Koch (AESS DL), Ariel Conn (IEEE SA Research Group on Issues of Autonomy for Defense Systems), Matthew Cornick (STR VP), Gokhan Inalhan (AESS DL), Heather Roff (Center for Naval Analyses), etc.
 - Proposed timing: Late Fall 2025 – have begin reach-out
- AESS Conference Industry Panels

- Transferred action from Stefano Coraluppi - research what the definition of “industry” is for the Industrial Innovation Award and work with the VP Awards to update the language with TABARC.
- Proposed definition (For the purpose of the award) –
 - The category “industry” includes workers outside of academia whose accomplishments cannot readily be evaluated or celebrated through publication or open-forum presentation means since constraints exist, (both in commercial industry and amongst government support workers in every nation) against open disclosure of work content. These functionally overlooked groups share on the whole A. common interest in forwarding the profession and often provide the basis in either funding or thought for work that is furthered within academia.

- ▶ What is the most important goal you want to achieve in 2025?
 - Establish industry outreach communications pipeline infrastructure
- ▶ Select 1-3 for this year
 - Help IEEE-USA establish their “Space Committee” to work policy related issues in our focus areas **Committee is up and operating. I have given the chair Sabrina’s info as POC for AESS. He should be reaching out shortly.**
 - Conceptualize YP / Student information concept for industry opportunity
 - Increase connectivity/interchange with adjacent industry focused Societies (in and out of IEEE) – **Working with GRSS, need a contact within SAR world and MTT**
- ▶ What do you need in terms of resources and support to accomplish this goal?
 - Funds (amount TBD shortly) to support partnership with IEEE-USA to create a “punch reel” video we can show at conferences, on line and in partner events that highlight AESS potential and scope – **discussions of filming opportunities to be held at USA meeting in Board Series June**

- ▶ 1-3 goals that relate to the vision for your area for the next 2-5 years.
- ▶ **Grow involved membership in all aerospace electronic systems areas**
- ▶ **Increase industry participation in committee (we overlap with board a lot), conference planning and execution**
- ▶ **Engage YP members and educate them on what industry careers offer (vice academia) in entry and growth positions**

- ▶ What are the blockers or challenges that are preventing you from accomplishing the short and long-term objectives?
- ▶ **IEEE writ large communicates (outside of publications) in an echo chamber.**
 - Our “outreach” efforts (e.g. Spectrum) end up in the hands of current members. The technical publications (while VERY well respected) don’t REQUIRE membership to access – Xplore can provide full content to an industry worker without them having to engage IEEE at all
 - This results in a static set of volunteers coordinating most activity
- ▶ **AESS despite the name is very much focused on radar**
 - The radar effort is sound and strong, but doesn’t create a path for engagement on: other remote sensing systems, GNC, avionics and control systems, etc. Some of these are handled by other societies, but there SHOULD be a strong interface and professional exchange
- ▶ **No Change**