

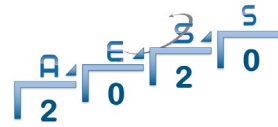
Growth Through Engagement and Teamwork

Mike Noble

VP – Industry Relations

May 6-7, 2021

Virtual Board of Governors Meeting



Industry Relations Committee 2021

- Alfonso Farina
- Stefano Coraluppi
- Lorenzo Lo Monte
- Steve Butler
- Mike Noble

Motions or Requests for Funding

None

Final Objective Assignments

#	2021 Objectives	Lead
1	Codify industry panels in AESS-sponsored conferences	Lorenzo
2	Increase industry senior awareness of IEEE/AESS products/services	Alfonso
3	Develop a strategy for improving the relevance of the AESS web site to to industry practitioners	Stefano
4	Codify partnership between AESS/IR committee and IEEE corporate activities lead	Mike
5	Develop a strategy for growing industry sponsorship	Steve (Alfonso)
6	Review the IEEE global industry strategy and provide input to IEEE Industry Advisory Board Ad Hoc Committee	Stefano
7	Host a young professionals career development forum with one or more industry seniors	Mike



13.08 Strategic Technology Planning & Infusion

EXECUTIVE PANEL: FUTURE AEROSPACE TECHNOLOGY FOR COMMERCIAL & GOVERNMENT APPLICATIONS

3.8.2021

7:00 – 8:00AM PST

The purpose of this panel is to discuss the role of DoD/USG and Large Defense Primes to support the integration of small and medium technology companies to support future space technology growth in robotics, ground systems, and propulsion for Artemis (Moon) and Mars crewed missions.



Moderator
Col. Wallace (Rhet) Turnbull III
 United States Air Force
 Director, Cross-Mission Ground & Communications Enterprise



Panelist
Lisa May
 Lockheed Martin
 Chief Technologist,
 Commercial & Civil Space



Panelist
Francis Szalay
 Astrobotic
 Lead Propulsion Engineer



Panelist
Melanie Stricklan
 Slingshot Aerospace
 CEO



Panelist
Luke Colby
 Triton Space
 Technologies, LLC of
 Woburn Massachusetts
 Founder & CEO



Panelist
Les Craig
 Next Frontier Capital
 Partner



Radars Conference Panel

- Chair: Dr Tim Grayson, Director, DARPA/STO
- Panelists:
 - Bill Melvin, GTRI
 - Mark McClure, STR
 - Paul Stern, LMCO
- Date: 13 May (dry run 4 May)
- Virtual

- Will explore an international panel for next year

Committee Ongoing Actions

#	2021 Objectives	Status
1	Codify industry panels in AESS-sponsored conferences	Industry panels held/scheduled for Aerospace and Radar conferences; codifying and exploring an international panel next year
2	Increase industry senior awareness of IEEE/AESS products/services	Afonso has led several engagements in Europe; engaged our LHX POC, need to collect POCs for the other major AESS industry stakeholders
3	Develop a strategy for improving the relevance of the AESS web site to industry practitioners	Providing input on content for IR page on revamped AESS site
4	Codify partnership between AESS/IR committee and IEEE corporate activities lead	Informal partnership sufficient, set up cadence with Patrick Russoniello, IEEE corp activities lead
5	Develop a strategy for growing industry sponsorship	NSTR
6	Review the IEEE global industry strategy and provide input to IEEE Industry Advisory Board Ad Hoc Committee	Doesn't appear to be an actual Industry Strategy document (despite reference in our AESS document) (checked with Patrick Russoniello)
7	Host a young professionals career development forum with one or more industry seniors	Coordinating a pathfinder event with Philipp Wojacek for an industry senior led mentoring webinar

Discussion Topic: Value Prop for Industry

IEEE STUDENT ACTIVITIES

Five reasons to join IEEE—From a student's perspective



by Suxia Cui

The IEEE Zeta Lambda Chapter is hosted at Prairie View A&M University (PVAMU), the second-oldest public university in Texas, founded in 1876. PVAMU is a member of the Texas A&M University System, a historically Black college and university. The PVAMU IEEE association is the platform to connect our students to industry and academia. At our biweekly meetings, industry partners present hiring information, faculty members give technical presentations, and students organize training for both software and hardware. Each year, we host the PVAMU annual IEEE workshop. The next upcoming workshop is scheduled for March 2021, and the focused topic is data sciences. The workshop is sponsored by the PVAMU Electrical and Computer Engineering Department as well as National Science Foundation grants (OAC 1827243 and OAC 1925764).

If you ask former IEEE Zeta Lambda Chapter President Roddy Fwamba why he joined IEEE, he will share with you the following five reasons.

1) It is an opportunity to demonstrate time management.

Partaking in college clubs and organizations alongside my academic responsibilities allows me to practice discipline and time management, which is a handy skill in my personal life. It's the one most employers will be looking for after graduation.

2) It builds self-confidence.

As a student successfully balancing a full plate of academia and extracurricular activities, it helped me build up the self-assurance needed to take on more challenges.

3) It helps you become more collaborative. IEEE and photovoltaic robotics activities pull together all kinds of

students. Participating in them encourages me to collaborate, not to mention learning how to work together on a larger-scale project. Collaborative work comes with opportunities to step up and lead my peers, manage projects, and work through any road bumps along the way.

4) It is a chance to build skill sets. IEEE also allowed me to develop hard skills I may or may not learn in class. As an IEEE president, my role was to create relationships with industries and alumni as well as to execute high-profile events, all valuable specialized skills.

5) It can lead to new network opportunities. Connections with others in my field can serve me well after graduation. Getting involved in IEEE has improved my peer network, which increases my exposure and learning in my school environment and social life. I was making friends effortlessly when I shared similar interests or passions with like-minded people. IEEE also allows you to branch out and meet students outside of your immediate social circle.



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Industry perspective

- Networking
- Courses
- Publications / library
- Standards
- Conferences
- ...

???

Discussion Topic: Industry POCs

- L3Harris: Heidi Wolfe
- LMCO
- Raytheon
- NG
- Boeing
- General Dynamics
- STR
- BAE



• Institute for Electrical and Electronics Engineers
 • World's largest technical professional organization (400,000 members)
 • Foster *technological innovation and excellence* for the benefit of humanity

Networking/Mentoring






• Aerospace and Electronic Systems Society
 • *Industry-focused* society within IEEE
 • *Complete integrated electronic systems* and enabling technologies

Value Proposition

Connection to Customers

- Conferences with government researcher presenters/panelists
- Refereed publications with government authors

Hiring/recruitment

- Conference recruiting events
- Professional mentoring

Partnerships

- Tailored short courses ... continuing education credits
- Industry-oriented conferences/panels/publications

Conferences








Dr. Shash Anand, Director Phoenix Works International with Dr. Joe Fabrizio

Publications








<http://ieee-aess.org/>

Advancing Technology for Humanity