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
# 2021 Objectives

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

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

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

by Suxia Cui

The IEEE Zeta Lambda Chapter is located 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 science. The workshop is sponsored by the PVAMU Electrical and Computer Engineering Department as well as National Science Foundation grants (ECR 1827263 and OAC 1925766).

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

1) It is an opportunity to demonstrate time management. Participating in college clubs and organizations alongside academic responsibilities allows me to practice discipline and time management, which is a good skill in my personal life. The most important employers will be looking for after graduation.

2) It builds self-confidence. As a student successfully balancing a full plate of academics 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 and do a lot of high-profile events, valuable skill sets.

5) It can lead to new networking 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 lets you branch out and meet students outside of your immediate social circle.
Discussion Topic: Industry POCs

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