Fulvio Gini, AESS Awards Chair

October 18-19, 2019

Cologne, Germany
AESS Awards Ad Hoc Committee

- Fulvio Gini: Chair
- Erv Gangl
- Bob Rassa
- Dale Blair
- Peter Willett
- Shannon Blunt
- Bill Melvin
Objectives

- Long term strategic objectives:
  - Taking a fresh look at all awards;
  - Initiating new awards;
  - Implementing changes to ensure better governance through revised processes and structures.
Recent or Ongoing Action Items

<table>
<thead>
<tr>
<th>Award</th>
<th>Old Deadline</th>
<th>New deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Society Pioneer Award</td>
<td>July 31</td>
<td>December 1</td>
</tr>
<tr>
<td>2. M. Barry Carlton Award</td>
<td>March 31</td>
<td>January 31</td>
</tr>
<tr>
<td>3. Harry Rowe Mimno Award</td>
<td>January 31</td>
<td>January 31</td>
</tr>
<tr>
<td>4. Fred Nathanson Memorial Radar Award</td>
<td>January 31</td>
<td>January 31</td>
</tr>
<tr>
<td>5. Outstanding Technical Panel of the Year Award</td>
<td>July 1</td>
<td>December 1</td>
</tr>
<tr>
<td>6. Chapter of the Year Award</td>
<td>July 1</td>
<td>December 1</td>
</tr>
<tr>
<td>7. Warren D. White Award for Excellence in Radar Engineering</td>
<td>February 15</td>
<td>January 31</td>
</tr>
<tr>
<td>8. Walter R. Fried “PLANS” Best Paper Award in Navigation</td>
<td>January 20</td>
<td>January 31</td>
</tr>
<tr>
<td>9. IEEE AESS Outstanding Organizational Leadership Award</td>
<td>December 31</td>
<td>December 1</td>
</tr>
<tr>
<td>10. IEEE AESS Judith A. Resnik Space Award</td>
<td>July 1</td>
<td>December 1</td>
</tr>
<tr>
<td>11. IEEE AESS Robert T. Hill Best Dissertation Award</td>
<td>October 31</td>
<td>October 31</td>
</tr>
<tr>
<td>12. IEEE AESS Engineering Scholarship</td>
<td>March 1</td>
<td>December 1</td>
</tr>
<tr>
<td>13. IEEE AESS Industrial Innovation Award</td>
<td>October 1</td>
<td>December 1</td>
</tr>
</tbody>
</table>

Review of the **Awards Deadlines**: to manage and advertise more efficiently the awards.

- **Blu**: Managed by the AESS Awards Chair
- **Green**: Best Paper Awards managed by the EiC’s
- **Red**: Managed by the Radar System Panel
- **Black**: Managed by VPs (Education/Membership/Tech.Op.)
- **Violet**: Conference Best Paper Award 
  (Managed by the conference organizers)
<table>
<thead>
<tr>
<th>MONTH</th>
<th>TASKS/EVENTS</th>
</tr>
</thead>
</table>
| JANUARY | early: Q1 Q1 Published  
mid: Send out award notification letters to all recipients of Dec. 1 deadline  
late: Deadline for awards |
| FEBRUARY | mid: Send out award notification letters to all recipients of Jan. 31 deadline  
late: Submit all awards for delivery to Judy for transport to Radar Conference |
| MARCH | early: Email Tina at IEEE with all award winners’ names and award money wired  
mid: Order all award plaques for delivery to Judy for transport to Radar Conference  
late: Q3 Q3 Content due to July  
late: Confirm attendance of award winners to Radar Conference |
| APRIL | early: Q1 Q2 Published  
mid: Develop Award Ceremony, produce powerpoint and award speeches |
| MAY | early: AWARDS CEREMONY  
mid: Ship any awards or certificates for those unable to attend the Radar Conf.  
late: Q3 Q3 Call for Content |
| JUNE | mid: Q2 Q2 final due to July - include all calls. Include photos of winners from Radar Conference  
late: Q2 Q2 Content due to IEEE  
late: Notify winners employers  
late: Post recent award winners to website |
| JULY | early: Q1 Q3 Published  
mid: Call for Nominations Robert Hill Scholarship - magazine, Q1, website, social media |
| AUGUST | early: Put out a Call for Nominations for all Dec. 1 deadlines - mag, web, social media |
| SEPTEMBER | early: Call for Nominations Robert Hill Scholarship - magazine, Q1, website, social media  
early: Put out a Call for Nominations - mag, web, social media  
early: Q2 Q2 Call for Content - include calls for all deadlines  
late: Q2 Q2 Content due to July  
late: Q2 Q2 Content due to IEEE |
| OCTOBER | early: Q3 Q3 Published  
early: Put out a Call for Nominations for all Dec. 1 and Jan. 31 deadlines - mag, web, social media  
late: Dedicated email for Call for Nominations for all Dec. 1 and Jan. 31 deadlines  
late: Deadline for Robert Hill Award |
| NOVEMBER | early: Dedicated email for Call for Nominations for all deadlines  
mid: Reminder email for Call for Nominations for all deadlines |
| DECEMBER | 1: Deadline for Awards  
5: Reminder email for Call for Nominations for all Jan. 31 deadlines  
early: Q1 Q1 Call for Content - include calls for Jan. 31 deadlines  
late: Q1 Q1 Content due to July  
late: Q1 Q1 Content due to IEEE |

- Judy prepared a detailed Annual Awards Calendar of Tasks/Events.
**AESS Award Nominations**

are now open for the
Robert T. Hill Best Dissertation Award!

The Robert T. Hill Best Dissertation Award is an annual IEEE AESS award to recognize candidates that have recently received a Ph.D. degree and have written an outstanding Ph.D. dissertation that has made particularly noteworthy contributions in a field of interest of the Aerospace and Electronic Systems Society. Its purpose is to grant international recognition for the most outstanding Ph.D. dissertation by an AESS member in the year she/he is nominated. The winner of this distinguished award receives a commemorative plaque and a $1000 honorarium.

**Nominate by Oct. 31st**

[Nomination Form](#)
AESS Award Nominations are now open!

- **Nominate by Dec. 1st**
  - AESS Judith A. Resnik Space Award: An annual AESS award to recognize candidates that have provided outstanding contributions to space engineering in the AESS Fields of Interest.
  - Society Pioneer Award: Has been given annually since 1949 to an individual or team for "contributions significant to bringing into being systems that are still in existence today."

- **Nominate by Oct. 31st**
  - AESS Outstanding Organizational Leadership Award: To recognize candidates that have the unique capability of conceiving and organizing innovative and successful events in the field of interest of the IEEE Aerospace and Electronic Systems Society.

- **Nominate by Jan. 31st**
  - AESS Engineering Scholarship: This scholarship recognizes students pursuing studies in Electrical Engineering at the undergraduate level, and systems engineering at the graduate level.
  - Chapter of the Year Award: To annually recognize the AESS Chapter whose performance is particularly noteworthy during the previous year.

**Calls for Nominations:**

- To annually recognize the AESS Chapter whose performance is particularly noteworthy during the previous year.
- To recognize an individual or team at any level who were industry employees whose technical contributions have resulted in significant advances in integrated electronic systems and large-scale integrated interoperable systems within the scope of the Society.
- To recognize a radar engineer for outstanding achievements due to a major technical advance (or series of advances) in the art of radar engineering.
- The purpose of this award is to grant international recognition for outstanding contributions to the radar art.

**Award Selection Summary**

- **Name of the Award:** IEEE AESs Outstanding Organizational Leadership Award
- **Year of the Award:** 2019
- **Award Selection Committee Chair:** Alfonso Farina, Leonardo SpA consultant, Italy
- **Committee Members** (names and affiliations):
  1. Giuseppe (Joe) Fabrizio, Defence Science and Technology Group, Australia
  2. Bob Rassa, Raytheon, USA
  3. Erv Gangl, retired, USA
  4. Fulvio Gini, University of Pisa, Italy
- **Number of nominations:** 3
- **List of nominee*/nominator:**
  1. Joseph Raymond Guerci (Information Systems Laboratories, Male, R1-6, Industry)/Jamie S. Bergin
  2. Demoz Gebre-Egziabher (The University of Arizona, Male, R1-6, Academia)/Zak (Zaher) M. Kassas
  3. Pasquale Daponte (University of Sannio, male, region 8, Academia)/Sergio Rapuano
- **Awardee:** Joseph Raymond Guerci
- **Citation:** “For Leading as General Chairman the successful 2015 IEEE International Radar Conference”
- **Awardee contacts** (affiliation & email): Information Systems Laboratories, JRGuercl@IEEE.org

*Important: As concerning all nominee, we need the following information:
- Gender (male/female/unknown);
- Region (R1-6, R7, R8, R9 and R10);
IEEE Survey

- The IEEE President José Moura appointed an **Ad Hoc Committee on Diversity, Inclusion, and Professional Ethics** to develop and implement mechanisms to improve diversity, inclusion, and professional ethics across all of IEEE. One of the action items for this committee is to collect and publish IEEE diversity metrics in an annual report that will be presented to the Board of Directors this November.

- Andrea Goldsmith is the Chair of the IEEE Board of Directors Ad Hoc Committee on Diversity, Inclusion, and Professional Ethics and the Chair of the IEEE TAB Committee on Diversity and Inclusion.

- She asked to complete 4 surveys for each Society:
## IEEE Survey: AESS - Awards

**Awards by region**

Please enter the awards of your Society/Council separated by region (R1-6, R7, R8, R9 and R10) cumulated over the last two years.

<table>
<thead>
<tr>
<th>Category</th>
<th>R1-6</th>
<th>R7</th>
<th>R8</th>
<th>R9</th>
<th>R10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distinguished Lecturers</td>
<td>19</td>
<td>0</td>
<td>4</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Society Award Nominees</td>
<td>26</td>
<td>0</td>
<td>9</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Society Award Winners</td>
<td>11</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>56</td>
<td>0</td>
<td>13</td>
<td>0</td>
<td>5</td>
</tr>
</tbody>
</table>
The results should be analyzed, on a longer temporal period, to detect possible biases.
IEEE Survey: AESS -Awards

AESS Members: 4702

### Membership by Region

<table>
<thead>
<tr>
<th>Region</th>
<th>Number</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>R1-6</td>
<td>2787</td>
<td>59.3%</td>
</tr>
<tr>
<td>R7</td>
<td>141</td>
<td>3.0%</td>
</tr>
<tr>
<td>R8</td>
<td>936</td>
<td>19.9%</td>
</tr>
<tr>
<td>R9</td>
<td>189</td>
<td>4.0%</td>
</tr>
<tr>
<td>R10</td>
<td>649</td>
<td>13.8%</td>
</tr>
</tbody>
</table>

### Membership by Gender

<table>
<thead>
<tr>
<th>Gender</th>
<th>Number</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>270</td>
<td>5.8%</td>
</tr>
<tr>
<td>M</td>
<td>4021</td>
<td>85.5%</td>
</tr>
<tr>
<td>Unknown</td>
<td>411</td>
<td>8.7%</td>
</tr>
</tbody>
</table>

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AESS Awards Ad Hoc Committee

- Fulvio Gini (Male, R8, Academia)
- Erv Gangl (Male, R1-6, Industry)
- Bob Rassa (Male, R1-6, Industry)
- Dale Blair (Male, R1-6, Government)
- Peter Willett (Male, R1-6, Academia)
- Shannon Blunt (Male, R1-6, Academia)
- Bill Melvin (Male, R1-6, Government)

- Need to be updated in 2020.
6. Chapter of the Year Award

Description: To annually recognize the AESS Chapter whose performance was particularly noteworthy during the previous year.

Prize: $5,000 and a certificate to the Chapter

Funding: Funded by the IEEE Aerospace and Electronic Systems Society.

Eligibility: Chapters of the AESS.

Basis for Judging: Chapter’s performance will be measured along the following areas: membership (e.g. growth in total membership, percentage of active members, etc.), governance (people involved in chapter governance, strategic meeting held, etc.), events (number of Distinguished Lecturer talks, short courses organized, support to AESS conferences, etc.), publicity and other activities (number of articles published in the AESS Magazine and QEB, industry and academic engagements, etc.).

Presentation: At a convenient IEEE AESS sponsored conference.

Chair: VP Membership Services [Fabiola Colone]

Committee: Alfonso Farina, Fulvio Gini, Michael Noble, Laila Moreira.

Nomination Deadline: December 1

Process:
- Call for nominations: to be issued by the end of September 2019 (along with the other awards whose deadline is January 31) and publicized as much as possible (email to all Chapter Chairs, QEB, etc.).
- Application submission deadline: December 1.

Comment:
The prize is not intended for individuals but will be at the disposal of the Chapter for any initiative involving its members (e.g. for supporting students, funding travel grants, enhancing local events, publicizing the Chapter, funding internal awards/contests, etc.)

Application form is available in the AESS website.
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Recent or Ongoing Action Items

- The main changes with respect to the old process are:

  1) Introduction of a tangible **monetary prize** together with a certificate.

  2) Clear definition of the **time scheduling** (call for applications, deadlines for application, winner announcement, etc.).

  3) Introduction of an **Application Form** which defines the Figures of Merit, to be filled in by the Chapter Chair.
Recent or Ongoing Action Items

- Renewal of the selection committees for the *Pioneer/Resnick/Organizational Leader* awards (3 years term).

- Selection of the 4 committee members for the new *Industrial Innovation* award (3 years term).
Recent or Ongoing Action Items

<table>
<thead>
<tr>
<th>Outstanding Organizational Leadership Award</th>
<th>Society Pioneer Award</th>
<th>Judith A. Resnik Space Award</th>
<th>Industrial Innovation Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moeness Amin</td>
<td>Steve Butler</td>
<td>George Andrew</td>
<td>Joachim Ender</td>
</tr>
<tr>
<td>Michael Braasch</td>
<td>Pratap Misra</td>
<td>Aloke Roy</td>
<td>Joseph Guerci</td>
</tr>
<tr>
<td>Hugh Griffiths</td>
<td>Michael Picciolo</td>
<td>Mark Bentum</td>
<td>Gary McGraw</td>
</tr>
<tr>
<td>Peter Willett</td>
<td>Don Sinnott</td>
<td>Maruthi Akella</td>
<td>Roberto Sabatini</td>
</tr>
</tbody>
</table>
Recent or Ongoing Action Items

- Ongoing discussion within the AESS Awards ad hoc Committee about the possibility to initiate a new Early Career Award (request from George Schmidt on behalf of the BoG Technical Operations Committee).