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

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

- 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)

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AESS
Annual Awards Calendar of Tasks/Events

	A	B
JANUARY		
	early	QEB Q1 Published
	early	Send out award notification letters to all recipients of Dec. 1 deadline
	31	Deadline for awards
FEBRUARY		
	mid	Send out award notification letters to all recipients of Jan. 31 deadline
MARCH		
	early	Email Tina at IEEE with all award winners, W8s and W9s, and have award money wired
	early	Order all award plaques for delivery to Judy for transport to Radar Conference
	early	QEB Q2 Call for Content
	mid	QEB Q2 Content due to Judy
	late	QEB Q2 Content due to IEEE
	late	Confirm attendance of award winners to Radar Conference
APRIL		
	early	QEB Q2 Published
	early	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	QEB Q3 Call for Content
JUNE		
	mid	QEB Q3 BoG Content due to Judy - include all calls. Include photos of winners from Radar Con
	late	QEB Q3 Content due to IEEE
		Notify winners employers
		Post recent award winners to website
JULY		
	early	QEB Q3 Published
	mid	Call for Nominations Robert Hill Scholarship - magazine, QEB, 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, QEB, website, social media
	early	Put out a Call for Nominations for all deadlines - mag, web, social media
	early	QEB Q4 Call for Content - include calls for all deadlines
	mid	QEB Q4 Content due to Judy
	late	QEB Q4 Content due to IEEE
OCTOBER		
	early	QEB Q4 Published
		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
	31	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
	mid	Reminder email for Call for Nominations for all Jan. 31 deadlines
	early	QEB Q1 Call for Content - include calls for Jan. 31 deadlines
	mid	QEB Q1 Content due to Judy
	late	QEB Q1 Content due to IEEE

Recent or Ongoing Action Items

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

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Recent or Ongoing Action Items

- **Call for Nominations**: sent on 9 Sept. 2019.

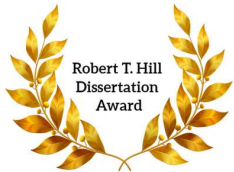- **Nomination forms** have been updated.

IEEE AESS

AESS Award Nominations are now open!

Nominate Now

Awards are a critical part of the IEEE recognition process for its members and others who have provided significant contributions to the advancement of the Aerospace and Electronic Engineering Profession.

Click on each award for more details and for it's respective nomination form.

Nominate by Oct. 31st

Robert T. Hill Dissertation Award
An annual AESS award to recognize candidates that have recently received a Ph.D. degree and have written an outstanding Ph.D. dissertation in the field of interest of the Aerospace and Electronic Systems Society.

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

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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."

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.

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.

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To annually recognize the AESS Chapter whose performance is particularly noteworthy during the previous year.

Outstanding Technical Panel of the Year Award

Industrial Innovation Award
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.

☑ **Calls for Nominations**: sent on 18 Sept. 2019.

Nominate by Jan. 31st

Warren D. White Award
To recognize a radar engineer for outstanding achievements due to a major technical advance (or series of advances) in the art of radar engineering.

Fred Nathanson Memorial Radar Award
The purpose of this award is to grant international recognition for outstanding contributions to the radar art.

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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, JRGuerci@IEEE.org

* **Important**. As concerning all nominee, we need the following information:

    - Gender (male/female/unknown);
    - Region (R1-6, R7, R8, R9 and R10);
    - Affiliation (Academia, Industry, Government, Other/Unknown).

Recent or Ongoing Action Items

- **Award Selection Form** prepared and sent to all Award Selection Committee chairs to collect information about the last 2 years.

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:

- https://ieee.checkboxonline.com/2019-TAB-CDI-Survey-1-Membership

- https://ieee.checkboxonline.com/2019-TAB-CDI-Survey-2-Awards

- https://ieee.checkboxonline.com/2019-TAB-CDI-Survey-3-Publications

- https://ieee.checkboxonline.com/2019-TAB-CDI-Survey-4-Symposia

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**.

	R1-6	R7	R8	R9	R10
Distinguished Lecturers	Answer 19	Answer 0	Answer 4	Answer 0	Answer 1
Society Award Nominees	Answer 26	Answer 0	Answer 9	Answer 0	Answer 3
Society Award Winners	Answer 11	Answer 0	Answer 0	Answer 0	Answer 1
Total	56	0	13	0	5

Awards by gender

Please enter the awards of your Society/Council separated by gender **cumulated over the last two years**.

	Male	Female	Unknown
Distinguished Lecturers	Answer 20	Answer 4	Answer 0
Society Award Nominees	Answer 38	Answer 2	Answer 0
Society Award Winners	Answer 11	Answer 1	Answer 0
Total	69	7	0

Awards by affiliation

Please enter the awards of your Society/Council separated by affiliation (Academia, Industry, Government, Other/Unknown) **cumulated over the last two years**.

	Academia	Industry	Government	Other/Un
Distinguished Lecturers	Answer 11	Answer 10	Answer 3	Answer 0
Society Award Nominees	Answer 19	Answer 16	Answer 5	Answer 0
Society Award Winners	Answer 4	Answer 6	Answer 2	Answer 0
Total	34	32	10	0

- The results should be analyzed, on a longer temporal period, to detect possible biases.

IEEE Survey: AESS -Awards

AESS Members: 4702

Membership by Region

R1-6	R7	R8	R9	R10
2787 (59.3%)	141 (3.0%)	936 (19.9%)	189 (4.0%)	649 (13.8%)

Membership by Gender

F	M	Unknown
270 (5.8%)	4021 (85.5%)	411 (8.7%)

- The results should be analyzed, on a longer temporal period, to detect possible biases.

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.
- Winner selection and notification: by January 31.

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.

Recent or Ongoing Action Items

- Fabiola Colone (VP Membership) worked on the new process for the **Chapter of the Year Award**.

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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

Outstanding Organizational Leadership Award	Society Pioneer Award	Judith A. Resnik Space Award	Industrial Innovation Award
Moeness Amin	Steve Butler	George Andrew	Joachim Ender
Michael Braasch	Pratap Misra	Aloke Roy	Joseph Guerci
Hugh Griffiths	Michael Picciolo	Mark Bentum	Gary McGraw
Peter Willett	Don Sinnott	Maruthi Akella	Roberto Sabatini

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).