

AESS Awards Ad Hoc Committee

AESS Board of Governors Meeting

April 27-28, 2018

Oklahoma City, OK, USA

Fulvio Gini

AESS Awards Vice-Chair

AESS Awards Ad Hoc Committee Chair



AESS Awards Ad Hoc Committee

- Fulvio Gini: Chair (since April 19, 2018)
- Dale Blair
- Giuseppe A. Fabrizio
- Alfonso Farina
- Erv Gangl (AESS Awards Chair)
- Bob Rassa
- Marina Ruggieri
- Peter Willett
- Mike Wicks

AESS Awards (from the TAB Awards Manual)

- Society Pioneer Award
- M. Barry Carlton Award
- Harry Rowe Mimno Award
- Fred Nathanson Memorial Radar Award
- Outstanding Technical Panel of the Year Award
- Chapter of the Year Award
- Warren D. White Award for Excellence in Radar Engineering
- Walter R. Fried "PLANS" Best Paper Award in Navigation
- IEEE AESS Outstanding Organizational Leadership Award
- IEEE AESS Judith A. Resnik Space Award
- IEEE AESS Robert T. Hill Best Dissertation Award

- IEEE Dennis J. Picard Medal for Radar Technologies and Applications (this is an IEEE Medal)

Objectives

- What are our long term strategic **objectives**?
 - Taking a fresh look at all awards;
 - Implementing changes to ensure better governance through revised processes and structures;
 - Initiating new awards.

Initiatives (1/3)

- What are our short term (1 year) **initiatives**?

Phase 1 - Collect information on the IEEE side:

- IEEE Policy & Procedures Section 4 - Awards Activities
<http://www.ieee.org/about/awards/information.html>
- How to obtain approval for new and revised awards
 - Template for Establishing a New IEEE Society/Council Award
 - Guidelines for Technical Conference Awards
 - Template for Establishing a New IEEE Technical Conference Award
- IEEE Medals and Field Awards

<http://www.ieee.org/about/awards/index.html>

Initiatives (2/3)

Phase 2 - Collect information on "our" side:

- For all the AESS awards, information on:
- **Nominee Solicitation:** mechanism to solicit nominations.
- **Award Committee:** composition of awards committee (how many, who, etc.), how members are appointed to the committee, who appoints?
- **Schedule:** schedule for submission of nominees and selection, notification of recipient, annual or a periodic award, etc. **For a paper nomination:** paper nomination schedule and deadline for receipt; when the award will be decided; and the winners notified.
- **Selection/Basis for Judging:** factors to be considered, scoring, committee voting procedure, etc.
- **Presentation:** preferred location and date of award presentation, presented in the name of entity, etc.
- **Funding:** who funds the award?

Initiatives (3/3)

Phase 3 – Committee operative:

- Update the committee members;
- Schedule periodical committee meetings;
- Revise the contents of the TAB AWARDS AND RECOGNITION MANUAL;
- Revise the procedure for some award;
- Submit a proposal to the BoG.
- Submit a proposal to the Chairman of the TAB Awards and Recognition Committee, for review of the specifications of the award and to TAB for approval.

What has been done so far (1/2)

- Last meeting of the Awards Ad Hoc Committee (15 September 2017):
 - Add the AESS Exceptional Service Award to the TAB Awards Manual;
 - For all the awards:
 - nominate a chair plus 4 persons, 2-year terms, rotating every 2 years;
 - decide on the chair term limits;
 - define a few guiding principles.

What has been done so far (2/2)

- By e-mail exchange (early 2018):
 - Revision of the TAB Awards Manual initiated.

Highlights

- Cluster the awards in three groups (with homogeneous procedures and deadlines within each group):
 - Society Awards;
 - Journal Awards;
 - Conference Awards.

- Revise and possibly broaden the scope of the IEEE AESS Outstanding Organizational Leadership Award (*This award, established in 2007, is to recognize candidates that have the unique capability of conceiving and organizing innovative and successful events in the field of interest of the IEEE AESS*).

2018 AESS AWARDS

Prepared by:

Dr. Erwin C. Gangl

Awards Chairman

27 April 2018

2018 IEEE Dennis Picard Medal for Radar Technologies and Applications



Sponsored by: The Raytheon Company

to

Mark Davis

for

“For Technical Contributions to Advanced Aerospace Multifunction Microwave and Foliage Penetration Radars, and for Leadership within the Radar Community”

Prize: Gold Medal, Bronze Replica and honorarium

Will be Presented at the: IEEE Honors Ceremony
11 May 2018, Palace Hotel, San Francisco, CA

PIONEER AWARD



Paul Antonik

2017 Pioneer Award

Was Presented to:

**Paul Antonik and
Gerard T. Capraro**

at the

**2017 IEEE/AIAA 36th Digital
Avionics Systems Conference (DASC)**

21 September 2017

St. Petersburg, Florida, USA

for

***“Modeling, Simulation Analysis, and Design of a Real-Time Expert System
Constant False Alarm Rate (CFAR)”***

Nominator: Dr. Richard A. Schneible - Presenter: Erv Gangl



Gerard Capraro

Judith A. Resnik Space Award



2017 Resnik Space Award

Was Presented to:

Robert D. Briskman

at the

2017 IEEE/AIAA 36th Digital Avionics Systems Conference (DASC)

21 September 2017

St. Petersburg, Florida, USA

for

“Development of Civilian Satellite Communications and Broadcast Systems”

Nominator: Dr. Saj Durani - Presenter: Erwin Gangl



WARREN D. WHITE AWARD

2018 Warren D. White Award

to

David J. Fittz

“For Technical Contributions to the Design, Development, and Fielding of Multiple Advanced Airborne Surveillance Radars”

Presented at:

2018 Radar Conference
Oklahoma City, OK
25 April 2018

Selected by the Radar Systems Panel
Dan Bliss, Chair



Sample Plaque

Outstanding Organizational Leadership Award



Sample
Plaque

2018 Outstanding Organizational Leadership Award

to

Michael Picciolo

*“For Leading the Radar Systems Panel Education Committee
and Founding the Radar Summer School Series”*

Presented at the 2018 IEEE Radar Conference, Oklahoma City, OK - 25 April 2018

2018 Fred Nathanson Memorial Radar Award

to

Luke Rosenberg

for

*“For Fundamental, Experimental and Theoretical Work in
Characterizing Radar Sea Clutter”*



Presented at the
2018 IEEE Radar Conference
Oklahoma City, OK

25 April 2018



Sample Plaque

M. Barry Carlton Award



Augusto Aubry



Antonio De Maio



Alfonso Farina



Michael Wicks

to:

**Augusto Aubry, Antonio De Maio Alfonso Farina,
and Michael Wicks**

For the January 2013 Transaction on AES Article:

***“Knowledge-Aided (Potentially Cognitive) Transmit Signal
and Receive Filter Design in Signal-Dependent Clutter”***

Presented at the 2018 IEEE Radar Conference
Oklahoma City, Oklahoma, USA - 25 April 2018

2017 Harry Rowe Mimno Award



Aboulnasr Hassanien



Moeness Amin



Yimin Zhang



Fauzia Ahmad

to:

**Aboulnasr Hassanien, Moeness Amin, Yimin Zhang,
and Fauzia Ahmad**

For the October 2016 Magazine Article:

***“Signaling Strategies for Dual-Function Radar
Communications: An Overview”***

Presented at the 2018 IEEE Radar Conference
Oklahoma City, Oklahoma, USA - 25 April 2018

2018 Robert T. Hill Memorial Award



Presented to:

Bo Li



Sample Plaque

In Recognition of his Ph.D. Dissertation
***“Topics in MIMO Radars:
Sparse Sensing and Spectrum Sharing”***

Presented at:
2018 Radar Conference
Oklahoma City, OK - 25 April 2018

2016 PLANS Walter Fried Best Paper Award



Karen Galuchie, Exec. Director, IEEE Foundation (left);
Dr. Kristopher Kozak, Fried Award Winner (center);
Dr. Michael Braasch, IEEE/ION PLANS Liaison (right).



Sample Fried Plaque



Sample Fried Certificate

to **Kristopher Kozak**

With Co-Author: **Marc Alban**

for

“Ranger: A Ground-Facing Camera-Based Localization System For Ground Vehicles”

Was Presented at the 2016 PLANS Conference
15 April 2016, Savannah, Georgia

Exceptional Service Award

For Exemplary Service and Dedicated Professionalism



Maria S. Greco

Editor-in-Chief of the “IEEE Aerospace and Electronic Systems Magazine” (2015–2017)