

2019 AESS Awards

AESS Board of Governors Meeting

April 26-27, 2019

Boston, MA, USA



Fulvio Gini

AESS Awards Chair



2019 IEEE Dennis Picard Medal for Radar Technologies and Applications

Sponsored by: The Raytheon Company

to

Richard Klemm

for

“For contributions to high-resolution radar, adaptive clutter suppression, and publications for the international radar system community”



Prize: Gold Medal, Bronze
Replica and honorarium

Will be Presented at the: IEEE Honors Ceremony
on 17 May 2019, in San Diego, CA, USA.

2019 IEEE Dennis Picard Medal for Radar Technologies and Applications

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We will also celebrate him at the AESS BoG Meeting in Cologne (Germany) in October, in conjunction with the IEEE Milestone and plaque unveiling ceremony in honor of Christian Hulsmeyer, who is considered as the inventor of the radar.

Pioneer Award

2018 Pioneer Award

Was Presented to:

James J. Spilker

at the

2019 IEEE Radar Conference

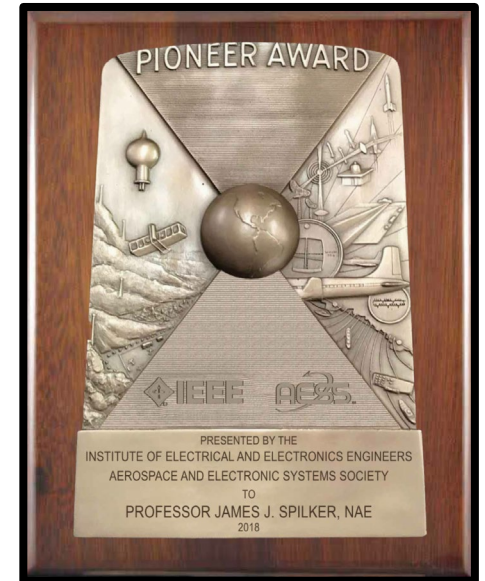
24 April 2019

Boston, MA, USA

for

*“Contributions to the Technology and Implementation
of the GPS Civilian Navigation System”*

Nominator: Dr. Jade Morton - Presenter: Fulvio Gini



Judith A. Resnik Space Award

2018 Resnik Space Award

Was Presented to:

Walter H. DeLashmit

at the

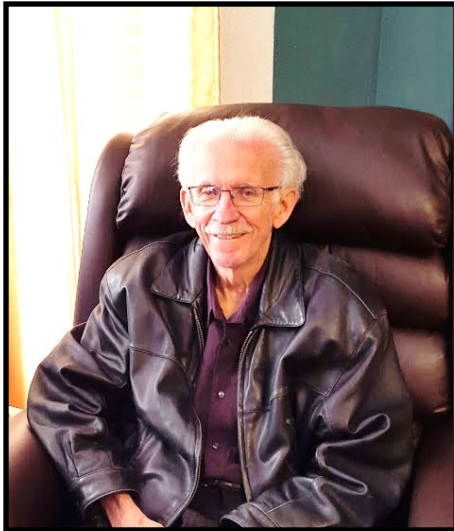
METROCON 2018 Conference

7 November 2018, Ft. Worth, Texas

for

***“Apollo Space Program Pre- and Post-Flight GNC Analysis
and Early Skylab Program”***

Nominator: Ron Ogen - Presenter: Walter Downing



Sample Plaque

Outstanding Organizational Leadership Award

2019 Outstanding Organizational Leadership Award

to

Joseph Guerci

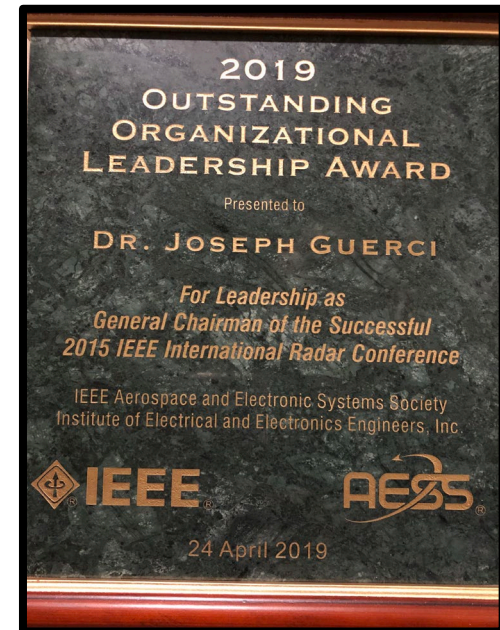
“For leadership as General Chairman of the successful 2015 IEEE International Radar Conference”

Presented at:

2019 IEEE Radar Conference

24 April 2019 - Boston, MA, USA

Award Committee chair: Alfonso Farina



Warren D. White Award

**2019 Warren D. White Award for
Excellence in Radar Engineering**

to

J. Scott Goldstein

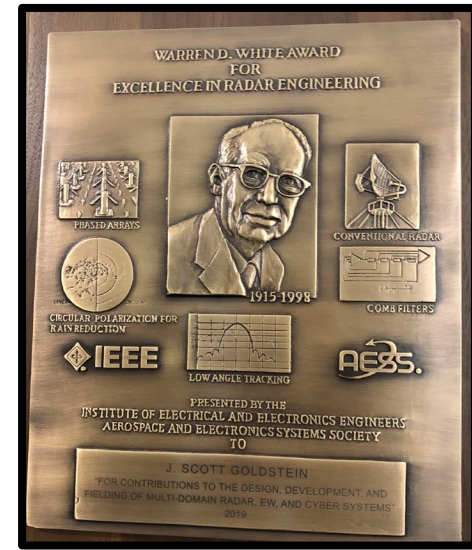
*“For contributions to the design, development,
and fielding of multidomain radar, EW, and
cyber systems”*

Presented at:

2019 IEEE Radar Conference

24 April 2019 - Boston, MA, USA

Award Committee chair: Braham Himed



Fred Nathanson Radar Award

2019 Fred Nathanson Memorial Radar Award

to

Julie Ann Jackson

*“For innovative systems engineering
advancements in the exploitation
of scattering phenomena for the next
generation passive and active
imaging radars”*

Presented at:

2019 IEEE Radar Conference

24 April 2019 - Boston, MA, USA

Award Committee chair: John Stralka



2014 M. Barry Carlton Award



Michael Leigsnering



Fauzia Ahmad



Moeness Amin



Abdelhak Zoubir

to:

Michael Leigsnering, Fauzia Ahmad, Moeness Amin, and Abdelhak Zoubir

For the April 2014 Transaction on AES Article:

***“Multipath Exploitation in Through-the-Wall Radar Imaging
Using Sparse Reconstruction”***

Presented at the **2019 IEEE Radar Conference**
24 April 2019 - Boston, MA, USA

2018 Harry Rowe Mimno Award



Michael C. Wicks



William J. Baldygo

to:

Michael C. Wicks and William J. Baldygo

For the September 2017 Magazine Article:

“Expert System CFAR: Algorithm Development, Experimental Demonstration, and Transition to Airborne Radar Systems”

Presented at the **2019 IEEE Radar Conference**

24 April 2019 - Boston, MA, USA

Robert T. Hill Best Dissertation Award



**2018 Robert T. Hill Best
Dissertation Award**
to:



Patrick M. McCormick

In Recognition of his Ph.D. Dissertation

***“Design and Optimization of Physical Waveform-Diverse
and Spatially-Diverse Radar Emissions”***

Presented at the **2019 IEEE Radar Conference**

24 April 2019 - Boston, MA, USA

2018 Walter R. Fried "PLANS" Best Paper Award in Navigation



to

Joe Khalif

with co-author: Prof. Zak M. Kassas



Sample Plaque

for the paper:

“Precise UAV Navigation with Cellular Carrier Phase Measurements”

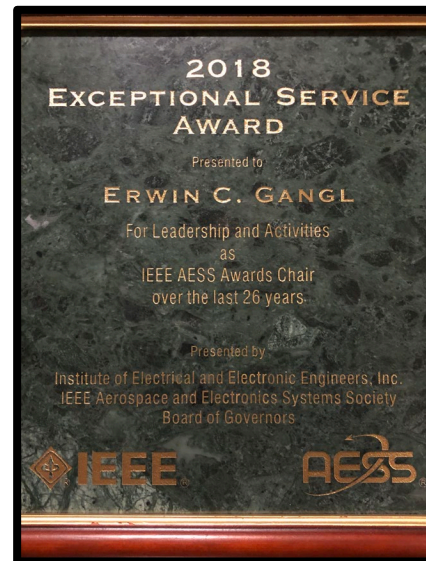
Presented at the 2018 IEEE/ION Position, Location, and Navigation Symposium (PLANS 2018), April 23-26, Monterey, CA, USA

2018 Exceptional Service Award

“For Leadership and Activities as IEEE AESS Awards Chair over the last 26 years”



Ervin Gangl



The award will be presented at the Dayton Chapter meeting, coordinated by Rob Ewing.

2019 Exceptional Service Award

“For exemplary work as a Technical Editor for the IEEE Transactions on Aerospace and Electronic Systems”



Gökhan Inalhan



Presented at the **2019 IEEE Radar Conference**

24 April 2019 - Boston, MA, USA

2019 Outstanding Technical Panel of the Year Award



Michael Braasch

To

The AESS Navigation Systems Panel

Michael Braasch, Chair

Presented at the **2019 IEEE Radar Conference**
24 April 2019 - Boston, MA, USA

Award Committee chair: George Schmidt

AESS Awards Ad Hoc Committee

AESS Board of Governors Meeting

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Fulvio Gini

AESS Awards Chair



AESS Awards Ad Hoc Committee

- **Fulvio Gini**: Chair
- **Erv Gangl** (former AESS Awards Chair)
- **Bob Rassa** (AESS Treasurer)
- **Dale Blair** (former BoG member)
- **Peter Willett** (AES Magazine Chair)
- **Shannon Blunt** (AESS RSP Chair)
- **Bill Melvin** (AESS RSP Awards Chair)

AESS Awards (from 2019 TAB Awards Manual)

1. Society Pioneer Award
 2. M. Barry Carlton Award
 3. Harry Rowe Mimno Award
 4. Fred Nathanson Memorial Radar Award
 5. Outstanding Technical Panel of the Year Award
 6. Chapter of the Year Award
 7. Warren D. White Award for Excellence in Radar Engineering
 8. *Walter R. Fried "PLANS" Best Paper Award in Navigation*
 9. IEEE AESS Outstanding Organizational Leadership Award
 10. IEEE AESS Judith A. Resnik Space Award
 11. IEEE AESS Robert T. Hill Best Dissertation Award
 12. *IEEE AESS Engineering Scholarship*
- IEEE Dennis J. Picard Medal for Radar Technologies and Applications (this is an IEEE Medal)

Objectives

- Long term strategic **objectives**:
 1. Taking a fresh look at all awards;
 2. Initiating new awards;
 3. Implementing changes to ensure better governance through revised processes and structures.

Initiatives

- Last year activities:
- Statement about the Conflict of Interest: finalized and approved by the AESS BoG (Rome, Sept. 2018).
- Proposal for the AESS Industrial Innovation Award: finalized and approved by the BoG (Rome, Sept. 2018).
- Revision the 12 AESS Awards in the TAB Awards Manual.
- Information gathering about the selection procedures for all AESS awards (e.g. chair, committee members, how to select the chair, how to update the members of a selection committee, steps of the selection process, etc.).

Initiatives

Revision the 12 AESS Awards in the TAB Awards Manual

3. Harry Rowe Mimno Award (first presented in 1978)

Just as an example!

Description: To recognize and foster excellence in clear communications of technical material in the AESS Magazine, and in doing so, to honor the over 50 years of contributions of AES Transactions Editor-in-Chief Emeritus Dr. Harry Rowe Mimno.

Prize: \$1,000 and Plaque. If more than one awardee, the monies are divided equally among the authors with individual plaques for the first two authors. In the case of financial hardship, up to \$1,500 in travel expenses can be authorized by the AESS President for the recipient(s) to attend the selected IEEE/AESS conference's award ceremony.

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

Eligibility: Authors of papers published in the *AES Magazine* during the previous calendar year.

Basis for Judging: Excellence in presentation and widespread interest to AESS members.

Presentation: At a convenient IEEE AESS sponsored conference.

Revision the 12 AESS Awards in the TAB Awards Manual

Chair Editor in Chief (EIC) of the IEEE AES Magazine

Committee: Associate EIC for the AESS Magazine, EIC Emeritus for the AES Magazine, AESS Vice President for Publications, and the AESS Vice President for Technical Operations, all active in the year of the decision.

Nomination Deadline: January 31 (of the year following the year under consideration).

Comment:

Prior to 1987, the Mimno Award was made for contributions to IEEE Transactions on Aerospace and Electronic Systems.

Process:

1. Publish Call for Nominations in the Magazine, AESS QEB or newsletter, AESS Web Site in July and November
2. Tech-Operations VP should solicit nominations from Panels members (September-December).
3. Associate Editors should solicit nominations in December.
4. Nominations are collected by January 31.
5. EiC and committee judge the nominations and issue a decision prior to March 1.
6. Introduce the winner in the April issue editorial of the AESS Magazine on the AESS web site in March and April and the second issue of the AESS QEB.
7. The winners are put in contact with the AESS Award Chair in order to arrange all the details on the plaque, honorarium, and presentation.

6. Chapter of the Year Award

Revision ongoing!

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

Prize: Certificate to Chapter

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

Eligibility: Chapters of the AESS.

Basis for Judging: Noteworthy performance in one or more categories: a) supporting AESS conferences, b) AESS membership drives, c) number of successful Chapter meetings.

Presentation: At a convenient IEEE AESS sponsored conference.

Chair: VP Membership Services

Committee: TBD (in collaboration with the VP Membership, Prof. Fabiola Colone)

Nomination Deadline: July 1

Process: TBD (in collaboration with the VP Membership, Prof. Fabiola Colone)

Initiatives

- **Other ongoing activities** (in collaboration with AESS Executive Assistant, **Judy Scharmann**):
- Judy liaises with IEEE to get the award **checks**.
- Judy ensures that all the **plaques** are made and ready for the AESS Awards Ceremony.
- Judy prepares the **Award Speeches** for the AESS Awards Ceremony.
- Preparing **templates** that we use to ensure that all the appropriate information is communicated and collected from the award recipients.
- Preparing the **annual timeline** with the deadlines of all activities related to the awards.

Thanks for your attention!