



# IEEE Aerospace Electronic Systems Awards

Fulvio Gini

*2022 AESS Fall Board of Governors Meeting*

*21-22 October 2022*

*Edinburgh, Scotland (UK)*



## AESS Awards Ad Hoc Committee

- **Fulvio Gini** (Chair)
- **Braham Himed**
- **Lance Kaplan**
- **Fabiola Colone**
- **Hugh Griffiths**

- ▶ Provide **SWOT** Planning For Awards Area
  - Strengths: What Has Been Accomplished In Last 3 Years
  - Revision of the various awards definition/scope/eligibility/etc and revision of the text in IEEE TAB Awards manual
  - Established three new awards: AESS Early Career Award, AESS Industrial Innovation Award, and the most recent AESS Distinguished Service Award (it replaced the AESS Outstanding Organizational Leadership Award)
  - Revision of the various deadlines: Dec. 1 or Jan. 31, except the Bob Hill PhD Award (Oct. 31)
  - Call for Nominations sent periodically by email to all AESS members, AESS Panel chairs, and AESS Chapter chairs
  - Monitoring of the various awards selection processes and update the committee members
  - Re-organization of the Awards webpage and on-line nomination submission system now operating for all AESS awards: <https://ieee-aess.org/awards>

# Main Activities

Awards	Category	Who manage the selection process	Nomination deadline
1. Pioneer Award	Society Award	Awards chair	December 1
2. <u>Distinguished Service Award</u>	Society Award	Awards chair	December 1
3. Judith Resnik Space Award	Society Award	Awards chair	December 1
4. Industrial Innovation Award	Society Award	Awards chair	December 1
5. Early Career Award	Society Award	Awards chair	December 1
6. Outstanding Technical Panel of the Year Award	Member Services Award	VP Technical Operations	December 1
7. Chapter of the Year Award	Member Services Award	VP Member Services	December 1
8. Robert T. Hill Best Dissertation Award	Education Award	VP Education	October 31
9. Engineering Scholarship	Education Award	VP Education	December 1
10. Michael C. Wicks Radar Student Travel Grant	Education Award	Co-chairs of the Student Activities Committee	December 1

# Main Activities

Awards	Category	Who manage the selection process	Nomination deadline
<b>11. Warren D. White Award</b>	<b>Panel Award</b>	<b>Committee Chair (appointed by the RSP chair)</b>	<b>January 31</b>
<b>12. Fred Nathanson Memorial Radar Award</b>	<b>Panel Award</b>	<b>Committee Chair (appointed by the RSP chair)</b>	<b>January 31</b>
<b>13. M. Barry Carlton Award</b>	<b>Publication Award</b>	<b>Journal EiC</b>	<b>January 31</b>
<b>14. Harry Rowe Mimno Award</b>	<b>Publication Award</b>	<b>Journal EiC</b>	<b>January 31</b>
<b>15. Walter R. Fried "PLANS" Best Paper Award in Navigation</b>	<b>Publication Award</b>	<b>Conference OC</b>	<b>January 31</b>

Certificate of Merit	Category	Who manage the selection process	Nomination deadline
<b>AESS Exceptional Service Award</b>	Certificate of Merit	AESS BoG	On demand



## Welcome to the Awards Homepage of the IEEE AESS website.

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. In this portion of the website, we identify the current awards that the Aerospace and Electronic Systems Society gives and others that we participate in either with other societies and the IEEE HQ. You will find here the relevant award criteria, past award recipients, the nomination process, and other pertinent information. Please feel free to contact me if you have any questions or need nomination support.

**Fulvio Gini**  
AESS Awards Chair

## Society Awards

- Distinguished Service Award
- Early Career Award
- Industrial Innovation Award
- Judith A. Resnik Space Award
- Pioneer Award
- Organizational Leadership Award
- Certificate of Merit for Exceptional Service

## IEEE AESS Distinguished Service Award

[Description](#) [Recipients](#)

### Description

To recognize significant contributions and outstanding service to the IEEE Aerospace and Electronic Systems Society.

### Prize

\$2,000 for the awardee and a plaque. In addition, the reimbursement of up to \$1,000 to attend the award ceremony can be authorized by the AESS President.

### Funding

Funded by the IEEE Aerospace and Electronic Systems Society.

### Presentation

At a convenient IEEE AESS conference.

### Eligibility

This award is to recognize an individual who has made significant contributions and outstanding service to the AESS. The recipient must be a current member of the IEEE and AESS and have been a member of the IEEE and AESS for at least the previous 3 calendar years plus the year of the nomination. Current officers and voting members of the AESS Board of Governors are ineligible, as well as are ineligible previous recipients of this award. Self-nominations are not accepted. Members of the AESS Board of Governors are not permitted to submit nominations or reference letters. Eligibility and selection process shall comply with procedures and regulations established in IEEE and Society governing documents, particularly with IEEE Policy 4.4 on Awards Limitations.

### Nomination Deadline

1 December

### Nomination Form

[Distinguished Service Award Nomination Form](#)

### Application Details

For questions, please contact the AESS Awards Chair, Fulvio Gini at [\(Click to show email\)](#).

### Recognition Type

Award

### Recognition Category

AESS Society Awards

# Near Term Focus Of AESS Strategy



## IEEE AESS Distinguished Service Award

**This form is to be completed by the nominator.**

To recognize significant contributions and outstanding service to the IEEE Aerospace and Electronic Systems Society.

Candidate need not be an IEEE AESS member. The recipient must be a current member of the IEEE and AESS and have been a member of the IEEE and AESS for at least the previous 3 calendar years plus the year of the nomination.

Current officers and voting members of the AESS Board of Governors are ineligible, as well as are ineligible previous recipients of this award. Self-nominations are not accepted. Members of the AESS Board of Governors are not permitted to submit nominations or reference letters.

Eligibility and selection process shall comply with procedures and regulations established in IEEE and Society governing documents, particularly with IEEE Policy 4.4 on Awards Limitations.

Criteria for the candidate selection are significance and impact of contributions, editorial roles, demonstration of leadership, exceptional administrative and managerial accomplishments, initiation of new programs for the benefit of the society members, and in general all the demonstrated and objective distinguished services to the AESS members.

### Nominee's Information

Title

- None -

First

Middle

Last

IEEE Grade and Member Number

Date and Place of Birth

Professional Affiliation and Title

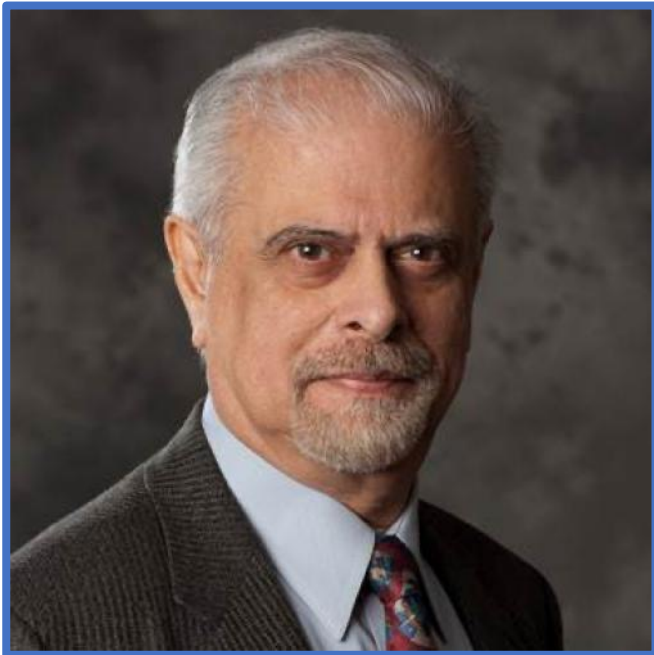
Address

Address 2





- ▶ Provide **SWOT** Planning For Awards Area
  - Weaknesses: Define Areas Of Growth (3 Years) Needed To Improve Services
  - For most of the awards, the number of nominations received every year is still small; sometimes only 1 (in this case, we usually extend the deadline) or 2.
  - Opportunities: Define Quantified Plans And Collaborations Needed
  - The AESS Panels should contribute more substantially, e.g. providing 1-2 nominations every year for each award (I had a meeting with VP Technical Operations, Michael Braasch, to talk on this).
  - A collaboration has been initiated with the Industry Relations committee (chaired by the VP Industry Relations, Michael Noble) to stimulate more nominations of colleagues from industry for our awards, and in particular for the Industrial Innovation Award (this year we received 3 nominations!).



## Asad M. Madni

University of Southern California

*For pioneering innovations in simulation-based training, intelligent-decision aiding, and intelligent-process management*



**Yulong Huang**

**Yonggang Zhang**

**Bo Xu**

**Zhemin Wu**

**Jonathon A. Chambers**

Harbin Institute of Technology, Harbin (China)/Newcastle University, Newcastle upon Tyne (UK)

## **A New Adaptive Extended Kalman Filter for Cooperative Localization**

**Published in:**

*IEEE Transactions on Aerospace and Electronic Systems,*  
Volume: 54, Issue: 1, February 2018.



**Jindřich Dunik**



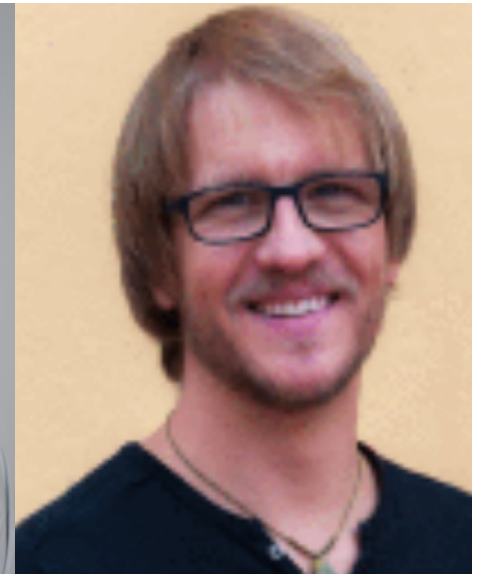
**Sanat K. Biswas**



**Andrew Dempster**



**Thomas Pany**



**Pau Closas**

## State Estimation Methods in Navigation: Overview and Application

**Published in:**

*IEEE Aerospace and Electronic Systems Magazine,*  
Volume: 35, Issue: 12, 01 December 2020.



**Merék Pipes**  
Union College  
Region 1, Northeastern U.S.

**Harold Hancock**  
University of Southampton,  
Region 8, England, U.K.

Distinguished Service Award	Society Pioneer Award	Judith A. Resnik Space Award	Industrial Innovation Award	Early Career Award
Peter Willett (3)	Daniel Tazartes (2)	Maruthi Akella (3)	Joseph Guerci (3)	George T. Schmidt (3)
Michael Braasch (3)	<u>Giuseppe A. Fabrizio</u> (2)	Aloke Roy (3)	Michael Noble (2)	<u>Yaakov Oshman</u> (3)
Moeness Amin (3)	Pratap Misra (3)	Mark Bentum (3)	Roberto Sabatini (3)	Steve Butler (3)
<u>Stephanie Bidon</u> (2)	<u>Maria S. Greco</u> (2)	Jade Morton (3)	<u>Lyudmila Mihaylova</u> (2)	Kathleen Kramer (2)

- **3 years for the chair and 3, 2, and 1-year terms for the committee members.**
- **Please, suggest names for new committee members for next award selections**  
*[ we plan to change one member for each committee every year ].*
- **Gender and Geographical Diversity!**