AESS recognizes its members through prestigious awards for providing significant contributions to the advancement of the Aerospace and Electronic Engineering Profession.

Part II - 2021 AESS Awards Recipients

BoG Virtual Meeting

6-7 May 2021
IEEE Dennis J. Picard Medal for Radar Technologies and Applications

SIMON HAYKIN
(McMaster University, Ontario, Canada)

“for contributions to the development of the theory and practice of radar, especially cognitive radar and adaptive filtering”

http://ieee-aess.org/awards/home
STEFANO CORALUPPI
(Systems & Technology Research, Woburn, Massachusetts, USA)

“for contributions to multi-sensor multi-target tracking”
MICHAEL D. GRIFFIN
(11th Administrator of NASA, Under Secretary of Defense for Research and Engineering 2018–2020, USA)

“for leadership in space infrastructure and Space Shuttle, International Space Station, Hubble and other missions”
ROBERT T-I. SHIN
(MIT Lincoln Laboratory, Lexington, MA, USA)

“for leadership in electromagnetic modeling of radar systems and in microwave remote sensing”
BIRSEN YAZICI
(Rensselaer Polytechnic Institute, Troy, New York, USA)

“for contributions to synthetic aperture radar and passive imaging”
ALFONSO FARINA
(Consultant to Leonardo Land & Naval Defence Electronics, Rome, Italy)

“for pioneering contributions to the analysis, design, development, and experimentation of digital-based adaptive radar systems”
AZAD M. MADNI
(University of Southern California, Los Angeles, CA, USA)

“for leading the development of Model Based Testing Methods and Software for Shuttle Navigation System and sustained excellence in aerospace systems research and education”

http://ieee-aess.org/awards/home
MIROSLAV N. VELEV
(Aries Design Automation, LLC, Chicago, USA)

“for contributions to formal verification of microprocessors for aerospace applications and Boolean Satisfiability for SAT solvers”
ALESSANDRO GARDI
(RMIT University, Bundoora, Australia)

“for outstanding research leadership in Human-Machine Systems for Multi-Domain Traffic Management and Trusted Autonomous Airspace Operations”
FRANCESCA FILIPPINI
(University of Rome Sapienza, Rome, Italy)

In recognition of her PhD dissertation:

AESS Engineering Scholarships

UNDERGRADUATE:
ALEX TOWFIGH
(University of California San Diego, USA)

GRADUATE:
MINGHUI SUN
(University of Virginia, USA)

http://ieee-aess.org/awards/home
Technical panels are formed in the Society’s fields of interest to stimulate technological advances and member engagement in technical networking, standards development, publications, conferences, chapter meetings, and other professional development activities.

Our Technical Panels meet regularly, engaging in educational activities such as Distinguished Lecturers and Short Courses.

**AESS currently has six Technical Panels:**

- Gyro and Accelerometer
- Radar Systems
- Cyber Security Panel
- Avionics Systems Panel
- Navigation Systems Panel
- Glue Technologies for Space Systems

Outstanding Technical Panel of the Year Award 2020

**Glue Technologies for Space Systems Technical Panel**

Panel chair: **Claudio Sacchi** (University of Trento, Italy)

Congratulations to all panel members!
Chapters are located world-wide and provide a home for similarly minded aerospace engineers.

AESS provides support to its Chapters via several initiative and activities.

**AESS currently has 75 Chapters**

- Regions 1-6 USA: 31
- Region 7 Canada: 9
- Region 8 Europe, Mid East, Africa: 20
- Region 9 Latin America: 5
- Region 10 Asia and Pacific: 10

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**Chapter of the Year Award 2020**

VT/AES/EMB/RA/PE Galveston Bay Sect Joint Chapter

Chapter chair: **S. ZAFAR TAQVI** (Houston, USA)

http://ieee-aess.org/awards/home
Warren White Award for Excellence in Radar Engineering

Daniel W. Bliss
(Arizona State University, Tempe, USA)

“for contributions to Multiple-Input Multiple-Output Radar, Multiple-Function Sensing and Communications Systems, and Novel Small-Scale Radar Applications”

http://ieee-aess.org/awards/home
Fred Nathanson Memorial Radar Award

ALEXANDER CHARLISH
(Fraunhofer Institute for Communication, Information Processing and Ergonomics FKIE, Wachtberg, Germany)

“for contributions to radar resource management and cognitive radar”

http://ieee-aess.org/awards/home
M. Barry Carlton Best Paper Award

for the paper entitled
“Spectrum Sharing Between a Surveillance Radar and Secondary Wi-Fi Networks”


**SUMIT ROY**
(University of Washington, Seattle, WA, USA)

**FARZAD HESSAR**
(University of Washington, Seattle, WA, USA)

http://ieee-aess.org/awards/home
for the paper entitled
“Joint Transmit Designs for Coexistence of MIMO Wireless Communications and Sparse Sensing Radars in Clutter”


Bo Li
(Rutgers, The State University of New Jersey, USA)

ATHINA P. PETROPULU
(Rutgers, The State University of New Jersey, USA)
Harry Mimno Best Paper Award

for the paper entitled


**Sevgi Zubeyde Gurbuz, Hugh D. Griffiths, Alexander Charlish, Muralidhar Rangaswamy, Maria Sabrina Greco, and Kristine Bell**

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Look at the deadline, download the nomination form and nominate one deserving colleague or a paper for an AESS award!