

## Editors

Editor-in-Chief—*Pau Closas, Northeastern University, USA*  
Associate Editor-in-Chief—*Alessio Balleri, Cranfield University, UK*  
VP Publications—*Luke Rosenberg, STERLaRLab, Lockheed Martin Australia, Australia*  
AESS President—*Sabrina Greco, University of Pisa, Italy*  
Operations Manager, AESS—*Amanda Osborn, Conference Catalysts, LLC, USA*

## Contributing Editors

Awards—*Fulvio Gini, University of Pisa, Italy*  
Book Reviews Editor—*Samuel Shapero, Georgia Tech Research Institute, USA*  
Conferences—*Braham Himed, Air Force Research Laboratory, USA*  
Distinguished Lecturers & Tutorials—*Alexander Charlish, Fraunhofer Institute for Communication, Information Processing and Ergonomics, Germany*  
Education—*Alexander Charlish, Fraunhofer Institute for Communication, Information Processing and Ergonomics, Germany*  
History—*Hugh Griffiths, University College London, UK*  
Student Research—*Federico Lombardi, University College London, UK*  
Technical Panels—*Michael Braasch, Ohio University, USA*  
Tutorials—*W. Dale Blair, Georgia Tech Research Institute, USA*  
Website Updates—*Amanda Osborn, Conference Catalysts, LLC, USA*

## Associate Editors and Areas of Specialty

Scott Bawden—*Energy Conversion Systems, Arctic Submarine Laboratory, USA*  
Erik Blasch, *US Air Force Research Lab (AFRL), USA*  
Roberto Sabatini, *RMIT University, Australia—Avionics Systems*  
Dietrich Fraenken, *Hensoldt Sensors, Germany—Fusion and Signal Processing*  
Lyudmila Mihaylova, *The University of Sheffield, UK—Target Tracking*  
Mauro De Sanctis, *University of Rome "Tor Vergata," Italy—Signal Processing and Communications*  
Jason Gross, *West Virginia University (WVU), USA—Navigation, Positioning*  
Giancarmine Fasano, *University of Naples Federico II, Italy—Unmanned Aircraft Systems*  
Carlos Insaurralde, *University of the West of England, UK—Unmanned Aircraft Systems*  
Michael Brandfass, *Hensoldt Sensors, Germany—Radar Systems*  
Leonardo Millefiori, *NATO Centre for Maritime Research & Experimentation CMRE—Space Systems*  
Haiying Liu, *DRS Technologies, Inc., USA—Control and Robotic Systems*  
Michael Cardinale, *Retired, USA—Electro-Optic and Infrared Systems, Image Processing*  
Ruhai Wang, *Lamar University, USA—Systems Engineering*  
Marco Frasca, *MBDA, Italy—Quantum Technologies in Aerospace Systems*

## How to Reach Us

We welcome letters to the editor; but, we reserve the right to edit for space, style, and clarity. Include address and daytime phone number with your correspondence.

E-mail: [Pau Closas](mailto:Pau.Closas@ece.neu.edu)  
[closas@ece.neu.edu](mailto:closas@ece.neu.edu)



September 2024

ISSN 0885-8985

Volume 39 Number 9

## COLUMNS

In This Issue –Technically ..... 3

## FEATURE ARTICLES

- The Kashi 4×35-M Antenna Array for Deep Space Telecommunication and Radio Science Observation**  
*G. He, M. Liu, X. Du, X. Gao, H. Li, S. Chen, D. Xu ..... 4*
- A Heterogeneous, Autonomous Passive Network for Underwater Surveillance: Experimental Results With Real Data Collected at Sea**  
*A. Tesei, P. Stinco, G. Ferri, M. Uney, R. Been, K.D. LePage ..... 16*
- The Aegean Ro-Boat Race: A Regatta to Accelerate Innovation in Marine Robotics and Autonomous Vessels**  
*D. Zissis, A. Troupiotis-Kapeliaris, E. Xidias, T. Kogias, G. Spiliopoulos, L. Millefiori, P. Braca ..... 36*

## NEWS AND INFORMATION

- IEEE Aerospace & Electronic Systems Society Organization 2022 AESS ... 2**
- AESS Awards Deadline ..... 15**
- AESS Virtual Distinguished Lecturer Series ..... 46**
- 2024 Aerospace & Electronic Systems Society: Meetings and Conferences ..... inside back cover**

**Publishers:** Send books for review to Samuel Shapero, 407 Angier Place NE, Atlanta, GA 30308. If you have questions, contact Samuel by e-mail at [samuel.shapero@gtri.gatech.edu](mailto:samuel.shapero@gtri.gatech.edu).

### Advertisers

If you are interested in advertising in the AESS SYSTEMS Magazine, please contact Anthony Land at Naylor Associates at [aland@naylor.com](mailto:aland@naylor.com)