

The logo for AES VISION 2020. It features the word "AES" in blue with a grey arrow curving around it, followed by "VISION" in black. Below this, the year "2020" is written in large, bold, black numbers.

AES VISION
2020

VP Publications report

Maria Sabrina Greco

April 26-27, 2019

Boston, USA

Publications 3-Year Goals

- Reduce the average submission-to-publication delay for the AES Transactions to nine months
- Achieve an average submission rate of twelve articles per month for the AES Systems magazine
- Reduce the cost of the AES Systems Magazine
- Increase the contributions to AES publications from industry by two articles per month
- Increase Impact Factor of Transactions to 2.0 (done!)
- Increase Impact Factor of Systems magazine to 1.0 (done!)
- Increase readership (opens) of QEB by 25%
- Increase visits to IEEE AESS website by 25%
- Create a new Transactions on Radar Systems

Transactions on AES

EiC: Mike Rice

AEiCs: Stefano Coraluppi,

Piefrancesco Lombardo

Improvement of TAES performance

- Introduction of the term limit for the TEs and AEs (AESS-BOG-Spring '18, AI-0769)
- New roster with new AEs
- Change of the timeline for submitted and revised papers
- Goal: Reduce the average submission-to-publication time for the TAES to nine months (first decision to 9-10 weeks)

New time-line

- 2 weeks for AEs to assign reviewers. [Previous deadline = none.]
- 42 days (6 weeks) from AE assignment to first decision. [Previous deadline = 60 days (9 weeks)].
- 42 days (6 weeks) for revision. [Previous deadline = 90 days (13 weeks)]
- 42 days for all subsequent reviews and decisions. [We were thinking shorter here, but taes.msubmit.net only has one variable for these things.]

Reminders (AESS-BOG-Spring '18, AI-0771)

Manuscript #	Due Date	Current Stage
TAES-201800811R		All Reviewers Assigned
TAES-201801066	February 11, 2019 	Associate Editor Decision Started
TAES-201900073	February 04, 2019 	Waiting for Potential Reviewer Assignment
TAES-201801212	February 11, 2019 	Associate Editor Decision Started
TAES-201600704R		All Reviewers Assigned

Systems Magazine

EiC: Peter Willett

AEiC: David Crouse

New Magazine Contract (AESS-BOG-Spring '18, AI-0772)

- After the RFP, IEEE and AllenPress responded
- Factors considered
 - IEEE has improved greatly over recent years, in both cost and service
 - the personal service at AllenPress was excellent (but Rita Janssen has been laid off)
- There are rumors that IEEE may enact policies that bring out-of-house publications in-house
 - both IEEE publishing operations and web submission
 - it is possible that there have always been such rumors
- **IEEE Publications was chosen**
 - The transition has been completed in March 2019. March issue has been a bit delayed

Special issues

Recent Special Issues

- Cyber Security in Aerospace Systems, Part 2 - February 2018
- HF Surface Wave Radar, Part 2 - March 2018
- Integrated Navigation, Sensing and Communications for Solving Problems in Society – May / June 2018
- Selected Methods and Instrumentation of Metrology for AeroSpace - August 2018

Upcoming Special Issues

- Exploration Mission-1 and Deep Space CubeSats - Part 1, 2 and 3 (GEs: Davarian, Kinman, Gao)
- Selected Methods and Techniques for Intelligent Systems for Space (GEs: Moreno, Duncan, Bergman)
- Wireless Sensor Networks and Remote Sensing for Environmental Applications – Part 1 and 2 (GEs: Kanoun, Carminati, Marcuccio, Ullo)

Special issues

Call for Papers

- Cognitive Radar (GEs: Bruggenwirth, Huizing, Charlish) – Submission Deadline: 31 March 2019
- Quantum Radar (GEs: Fasca, Farina, Balaji) – Submission Deadline June 30 2019
- Noise Radar (GEs: Lukin, Stove, Wasserzier) – Submission Deadline August 30 2019

Planned

- Security Technology (GEs: Thomas, Ortega-Garcia) Planned 2019

AESS QEB

EiC: Fabiola Colone

Adm Ed: Judy Scharmann

QEB Opens

Campaign Name	# Sent to	# Opened Email	% opened	# Bounced	# Unsubscribed	# Unique Clickers
AES Newsletter 1st Qtr 2016 010416	4387	1439	33%	77	2	17
AES Newsletter 2nd Qtr 2016 040516	3831	1260	33%	8	1	177
AES Newsletter 3rd Qtr 2016 070616	4120	1313	32%	56	3	120
AES Newsletter 4th Qtr 2016 100316	4261	1291	30%	61	1	126
AES Newsletter 1st Qtr 2017 010317	4332	1467	34%	60	4	166
AES Newsletter 2nd Qtr 2017 040417	3889	1303	34%	69	0	129
AES Newsletter 3rd Qtr 2017 070517	4157	1293	31%	2	1	106
AES Newsletter 4th Qtr 2017 100317	4200	1411	34%	66	4	97
AES Newsletter 1st Qtr 2018 010318	4142	1397	34%	29	3	119
AES Newsletter 2nd Qtr 2018 040418	3489	1097	31%	21	2	106
AES Newsletter 3rd Qtr 2018 070518	3831	1288	34%	22	1	68

QEB Initiatives (AESS-BOG-Spring '18, AI-0773)

Initiatives are being implemented to improve the QEB and increase readership:

1. New inspiring articles for the section entitled **"The story behind a success"**:

- 2nd Ed. 2018: Dr. Bo Li (recipient of the 2017 Robert T. Hill Best Dissertation Award).
- 3rd Ed. 2018: Recipients of the Best Student Paper Award at the IEEE Radar Conference 2018 (Oklahoma City, OK).
- 4th Ed. 2018: Dr. Luke Rosenberg (recipient of the 2018 Fred Nathanson Award).
- 1st Ed. 2019: Recipients of the Best Student Paper Award at the International Conference on radar (Brisbane, AU)
- 1st Ed. 2019: Dr. Patrick McCormick (recipient of the 2018 Robert T. Hill Best Dissertation Award).

The Story Behind a Success



As the recipients of the Student Paper Competition Awards at the 2018 IEEE Radar Conference, it is our pleasure to share our success with the AESS community.

First, let us express our sincere gratitude

but also for calming down our nerves before the judges who attended our special closed-

The Story Behind a Success

by Luke Rosenberg,
Winner of the 2018 Fred Nathanson Memorial Radar Award



This article is the story of my career and how I came to win the 2018 Nathanson award. I don't believe it's possible to win such an award without the support of a great many people. The application process itself required several support letters and a champion from the radar community to rally them together and complete the lengthy application form. I am fortunate to have two champions - Prof. Maria Greco from the University of Pisa and Prof. Hugh Griffiths from the University College London. I am very grateful to you both and for those who wrote the support letters.

The Story Behind a Success

Congratulations to William Baxter, Henna Perälä, and Álvaro Duque de Quevedo, who were awarded the Best Student Paper Awards at the 2018 IEEE Radar Conference in Brisbane, Australia!

William Baxter

Among those student papers shortlisted, I am extremely honored to have been chosen as the recipient of the IEEE Radar Conference 2018 best student paper award, and to be given the opportunity to share my personal experiences with the AESS community. It is with utmost sincerity when I say I would never have been able to achieve this without the enduring support of my supervisor, Dr. Elias Aboutanios, who, through thick and thin, continually teaches and pushes me to achieve what I would otherwise think impossible. I owe my success to him entirely and am so grateful and



back to the start of my professional career when I completed my undergraduate degree in Electrical Engineering at the University of Adelaide in 2000 and

QEB Initiatives

2. New section entitled "**Society Happenings**" including contributions from BoG officers (or committee chairs) to cyclically update the readers on new initiatives and/or events.

- 2nd Edition 2018: Joe Fabrizio, AESS President Message.
- 3rd Edition 2018: Kathleen Kramer, VP Education, Title of contribution: AESS Education Spotlights.
- 4th Edition 2018: Sabrina Greco, VP Publications, Title of contribution: Publications Spotlight.
- **Next Editions 2019: Volunteers are accepted. Maybe Wolfgang Koch on Hülsmeier or Mike Wicks on moonlanding.**

Society Happenings - Publications Spotlight



As VP Publications of AESS my main goal is to guarantee to the Society members timely and effective Publications, the Transactions, the Magazine and the Quarterly Email Blast.

The *Transactions* is our technically advanced journal where the most recent research findings are published. The *Magazine* addresses topics in our field of interest with the intent of informing our readers of

AESS Distinguished Lectures

Dr. Joe Fabrizio and Dr. Eli Brookner in Queensland

Jason Williams, Chair, IEEE AESS Queensland Chapter
Melanie Shanahan, Boeing Defence Australia

The Queensland Chapter of the Aerospace and Electronic Systems Society was pleased to host two Distinguished Lectures in August and September, from Dr. Joe Fabrizio, Acting Research Leader, Surveillance and Reconnaissance Systems at DST Group, and AES Society President; and Dr. Eli Brookner, who retired in 2014 as Principal Research Engineer after a 50 year career with Raytheon.

Dr. Fabrizio provided an introduction to over-the-horizon radar, covering history of phenomenology, and contrasting typical parameters to microwave radar, and a description of non-adaptive and adaptive methods for signal processing. Dr. Brookner



Conferences

Post Conference Report: International Conference on Radar 2018
By Jason Williams, Chair, IEEE AESS Queensland Chapter

QEB Initiatives

3. **Advertising the QEB:** After posting a new edition, messages are sent to contributors and members appearing in articles/pictures to urge them to open the email and have a look. The idea behind this is to accustom people, especially young members, to open and read the newsletters since they possibly would

- familiarize with the QEB structure (and related media),
- advertise the content among their peers, and
- check out the next edition looking for similar news.

4. **Adding many contents for young members.**
The last edition featured:

- Article on Future Skills Challenge in Drone Technology (by Prof Riaan Stopforth)
- Article on Mentoring Program in Action (by Garrett Hall and Walt Downing)
- 2018 Robert T. Hill Dissertation Award Winner



New Journal on Radar Systems

M.S. Greco

Ad Hoc Committee of Radar System Panel

(AEISS-BOG-Spring '18, AI-0774)

- Evaluating pros & cons, report presented at the RSP meeting
- Discussion open to refine the proposal

OA? The Plan S

On 4 September 2018, a group of national research funding organisations, with the support of the European Commission and the European Research Council (ERC), announced the launch of cOAlition S, an initiative to make full and immediate Open Access to research publications a reality.

“By 2020 scientific publications that result from research funded by public grants provided by participating national and European research councils and funding bodies, must be published in compliant Open Access Journals or on compliant Open Access Platforms.”

cOAlition S does not favour any specific business model for Open Access publishing or advocate any particular route to Open Access given that there should be room for new innovative publishing models.

<https://www.coalition-s.org/feedback/>

IEEE proposed options

- (1) Repurpose an extant but moribund journal.
- (2) Start a new OA journal.
- (3) Use a section of IEEE Access.
- (4) Open a shared Open Access journal with some allied societies.

The journal must not have a mirror/sister subscription journal with substantial overlap in editorial board to avoid business models charging for both access and publication. Such journals will de facto be considered hybrid journals

As suggested by IEEE, we decided to **wait and see**