










Publications opportunities

Maria Sabrina Greco

Chapters meeting, October 17, 2019

Cologne, Germany

AESS Products & Services

-  Conferences
-  Publications
-  Technical Panels
-  Chapters
-  Distinguished Lecturer Program
-  Networking & Mentoring Program
-  Student-Focused Initiatives
-  Targeted Short Courses
-  Society Awards
-  AESS Resource Center

<http://ieee-aess.org/>

AESS Publications



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IEEE Transactions on Aerospace and Electronic Systems (T-AES)

A bi-monthly publication of peer-reviewed articles that present the results of original research.



Michael Rice, EiC

<http://ieee-aess.org/publications/home>

AESS Publications



IEEE Aerospace and Electronic Systems Magazine (AES-M)

A monthly publication of brief articles of general interest, news and information of interest to IEEE AESS members, and periodic publication of Tutorials.



Peter Willett, EiC

<http://ieee-aess.org/publications/home>

AESS Magazine



Student Project Highlights

Student project highlights are short 2-3 page articles that showcase student projects.

Student Research Highlights

Student research highlights are typically submitted by graduate students working on a Master's thesis or Doctoral dissertation. These highlights can be thought of as a two-page abstract of the student's thesis, a proposal, or a recent research paper. The author should cite the publications relevant to the research being described in the highlight

Student Activity Highlights

Student activity highlights is a more broad section and can include activities that students at any level are doing that are relevant or would be of interest to our readers. They do not have to be written by students but must be about students and an activity they participated in.

AESS Magazine



Conference Reports

In the case of a financially (co-)sponsored conference this report should not exceed 4 printed pages; and for technical sponsorship, the maximum length is 2 pages.

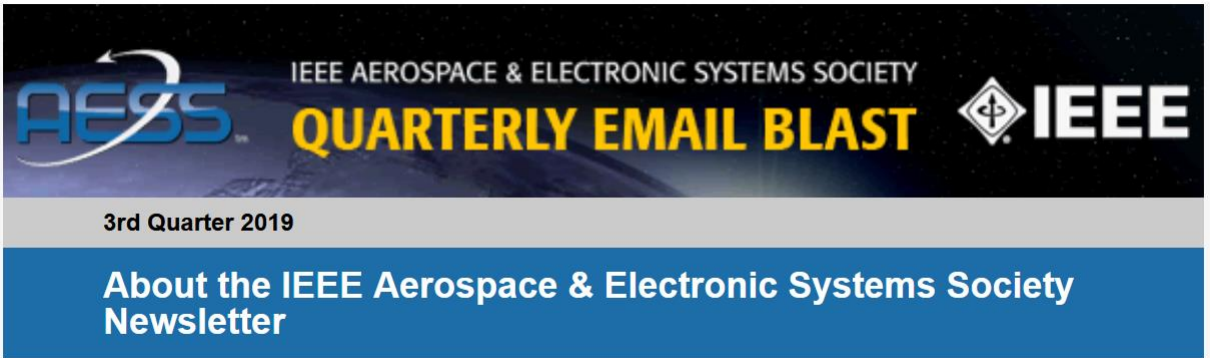
Industry Insights

Short papers, 3-4 pages long, that showcase industry projects, system solutions, and problem-solving approaches from an industrial standpoint.

https://sysaes.msubmit.net/cgi-bin/main.plex?form_type=home

<http://ieee-aess.org/publications/home>

AESS QEB



IEEE Aerospace and Electronic Systems (AESS) Quarterly E-Mail Blast (QEB)

A quarterly publication of timely news and information of interest to IEEE AESS members.



Fabiola Colone, EiC

<http://ieee-aess.org/publications/home>

AESS QEB



- **Conference Call for Papers**
- **Session and Chapter Events**
- **News from the AESS Panels**
- **Awards deadlines**
- **Membership opportunities**
- **Column “The story behind a success”**
- **Information on AESS Resource Center**

AESS QEB

The History Column

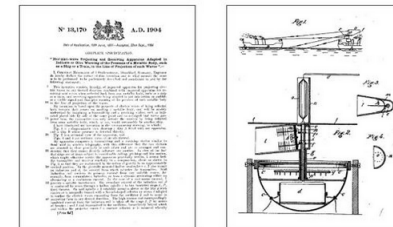
The first one in the series is **17 May 1904**, which was the date of the first demonstration of radar in Cologne, Germany, by Christian Hülsmeyer. This will be marked in October by the inauguration of an IEEE Historic Milestone plaque, close to the site of the first demonstration on the banks of the Rhine river. The demonstrations were reported in the *Kölner Tageblatt* and *Kölnischer Zeitung* newspapers the next day. Translations of some sentences from these reports read as follows:

The apparatus worked extremely precisely. The inventor explained also that a non-metallic target reflects the electric waves, which could propagate through the wall of the hotel and act in the same and in the same way as before without obstacles. The spectators felt that they were witnesses of the first demonstration of one of the most important inventions of our time.

.... The electric waves emitted by the transmitter cannot reach the receiver directly, but must be reflected by a metallic object on the sea (that is, by ships), and thus reach the receiver. The attempt with the small apparatus, which was arranged only for small distances, succeeded perfectly.

An article giving a fuller description of Hülsmeyer's work and the Historic Milestone will be published in the AES Magazine in the next few months.

Hugh Griffiths
University College London



Two pages from Hülsmeyer's British patent in 1904.

An extended paper on this topic will be published in the *AESS Systems Magazine*. You can access it here: [Christian Hülsmeyer: Invention and First Demonstration of Radar, 1904](#).
Hugh Griffiths, Peter Knott, Wolfgang Koch

AESS QEB

AESS Professional Networking and Mentorship Program in Action

As a part of IEEE AESS Professional Networking and Mentorship Program, Dr. Ganesh Subramanian has successfully completed his first mentorship assignment. His mentees belong to “Team Dronix.” Er. Aravind and Er. Tamilsevan have successfully learned to design various drones, drone piloting, aerial mapping, and surveying.

They were able to develop customized Quad, Octo, and Hexa copters on their due course. Er. Aravind has earned a paid internship to do an aerial survey of slum areas of Oddisa State, Government of India, from 5 June to 5 July 2019. Their mentee experience could be viewed on the YouTube Channel **“Team Dronix” IEEE AESS MENTOR–MENTEE JOURNEY 2017 to 2019.**

[Click Here to Watch](#)

AESS QEB

Chapter News

IEEE Central Texas Chapter

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IEEE Ukraine Section (East) AP/MTT
/ED/AES/GRS/NPS Societies Joint
Chapter

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AESS Awards

**2019 Robert T. Hill Best Dissertation
Award**

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**Call for Nominations - Due 31 October
2019**



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