

## About the IEEE Aerospace & Electronic Systems Society Newsletter



Dear AESS Members,

This is the last edition of the Quarterly Email Blast (QEB) for 2021 and it marks the completion of my fourth year as Editor-In-Chief for the QEB. As we begin 2022, I am turning over the helm to Dr. Francesca Filippini and Dr. Philipp Markiton who I know will do a fantastic job with these newsletters.

It has been a very special privilege to be your reporter for the last four years, which have seen so many developments within our Society. I have thoroughly enjoyed serving as Editor in Chief of the QEB. I believe we have made many quality improvements to these newsletters, and I know that we will continue to do so in the next few years.

I'd like to take this opportunity to sincerely thank all of the contributors and content providers for sharing their professional and personal experiences. I also gratefully acknowledge the positive feedback and critical comments of our readers, to which all our efforts are dedicated.

My personal thanks go to Judy Scharmann, Amy Krutz, and Dana Mallett at Conference Catalysts, LLC for all of their tireless work to produce this electronic newsletter every quarter.

I will continue to be fully active in AESS initiatives, and I won't miss a single edition of the QEB co-edited by Francesca and Philipp. Good luck guys!



"It's no use going back to yesterday, because I was a different person then."

Lewis Carroll

Alice's Adventures in Wonderland

Warmest regards,

Fabiola Colone  
Editor-in-Chief, AESS QEB  
fabiola.colone@uniroma1.it

## Message from the President

Dear IEEE Aerospace & Electronic Systems Society Members:

As I end my term as President of the IEEE Aerospace and Electronic Systems Society (AESS) and reflect on the events of the last two years, it seems like a surreal transposition of normal



and atypical conditions. So many things that we would do in normal times were prohibited by the pandemic and we had to resort to alternate approaches that were rarely used before. Most of these situations involved in-person versus remote participation in meetings, conferences, and other events. Although there is tremendous value in face-to-face interactions, that is not currently matched by virtual platforms, it is also clearly better to participate remotely as opposed to not at all. Participation in some activities increased using virtual platforms. Virtual Distinguished Lectures are an example where participation increased because of the global reach, convenience, and low-cost of

this approach. In 2020-21, AESS offered more Distinguished Lectures, attended by larger audiences, than ever before. The relative ease of recording lectures in this format provides the added benefit of viewing them on-demand after the event. I expect that in the future we will continue to work on ways to derive the best value from both in-person and virtual participation in AESS activities.

For the past two years, the AESS Board of Governors (BoG) used the strategic theme of "Growth Through Engagement and Teamwork." We concentrated our efforts on investing in products and services that members need and appreciate as being valuable for their professional development to include:

- Expanding the Mentoring and Professional Networking Program,
- Raising the publications budget to increase the number of transactions papers published,
- Revitalizing our technical panels and adding new fields of interest,
- Increasing funding opportunities for AESS Chapters to conduct special initiatives,
- Conducting Chapter Summits to inform and engage local leadership,
- Hosting special events at conferences for IEEE affinity groups (Students, YP, WIE),
- Giving students and young professionals representatives a voice on the BoG,
- Extending the diversity of the BoG,
- Enlarging educational services through distinguished lectures and short courses,
- Adding competitions or classes for students at our flagship conferences,
- Reducing student fees to US\$5/year and offering other membership incentives,
- Creating special-interest content in publications and on social media for young members

As a result of these and other measures, I am happy to report that AESS overall membership has grown by over 5% per year in 2020 and 2021, and student membership grew 35% and 75%, respectively. This growth in numbers is an indication of a healthy organization. More importantly, our growth in products and services help AESS and our members grow professionally, which is vital to keep pace with the rapid advances in knowledge and technology.

Walt Downing  
IEEE AESS President  
2020-2021

**Retirement of Longtime AESS Operations Manager, Judy Scharmann**



It is with mixed emotions that we announce the retirement of Judy Scharmman on December 31, 2021. Although we are very happy that Judy will be able to enjoy a much-deserved and greatly-anticipated time to relax and do the things we all look forward to in retirement, we will miss her a lot. Judy has faithfully served as AESS Executive Assistant for the last fourteen years. She is the backbone of the Society's operations and the driving force behind the scenes to get things done. She has a wealth of knowledge about AESS and IEEE, which has served us well as the Society's corporate memory while volunteers come and go. And she has done this with a charm and grace that creates admiration and appreciation in everyone she works with. She is not only a true professional, but also a good friend. We wish her the best in retirement!

Amanda Osborn will assume the role of AESS Executive Assistant in 2022. She comes to us from IEEE Systems Council, so she is already quite familiar with IEEE and AESS. She has been shadowing Judy for the last several months, and gradually taking over several tasks. She is ready and we look forward to working with her and developing the same collaborative relationship that we had with Judy!

We all want to thank Judy Scharmman for planning ahead, providing excellent leadership in a Board of Governors meeting, and following up with all of the "plans we made." This picture is from the April 2011 Board Meeting in Washington DC. She is always on the "right side" of the picture.



Judy and her Conference Catalysts team have made AESS run smoothly and achieve the many impressive results the Society is reporting. Our spotlight on the world is the AESS

webpage. But the real evidence is the number of our members who have relied on her innovative planning and logistics in any city we have visited.

We will miss Judy after her well-deserved retirement on December 31, 2021.

Walt Downing  
AESS President, 2020-2021

## The Story Behind the Success

Christian Curtis Jones, Ali Bekar, and Mahbub Rahman win the Student Paper Competition at the 2021 IEEE Radar Conference!



As the winners of the Student Paper Competition at the 2021 IEEE Radar Conference, we are honored to share this success story with the AESS community. We'd like to thank the organizing committees for the conference and student paper competition for enabling us to present the work virtually to a group of esteemed judges amidst the uncertainty of a global pandemic. It is truly inspiring how the strong leadership of the radar community has handled these unprecedented challenges.

[Read Here](#)

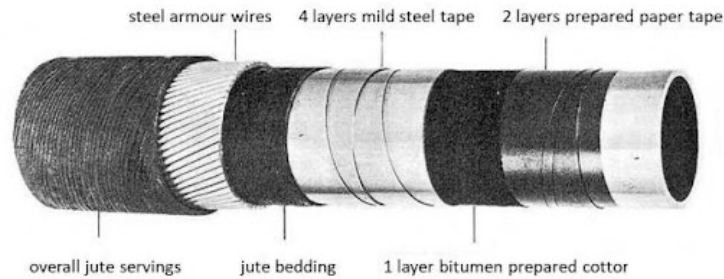
## The History Column

*by Hugh Griffiths*



The second in this series covers some remarkable, but under-appreciated pieces of engineering associated with the D-Day landings in Normandy, France, in June 1944. There are many books, articles, movies and websites which record the landings themselves. Few who have watched the first twenty minutes of Saving Private Ryan will easily forget them. But just as important was the means by which the Allied forces were supplied with fuel, provisions, and further men and equipment in the months following the landings. This was made possible by ingenious prefabricated concrete harbours ('Mulberry harbours') and a pipeline (PLUTO) which supplied fuel.

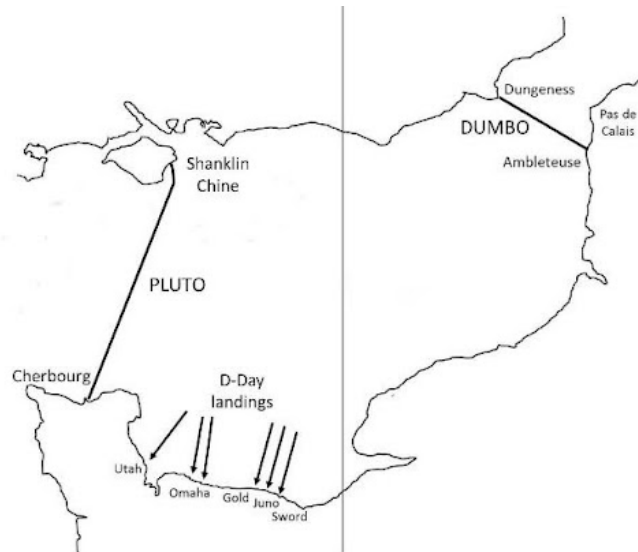
PLUTO ran from Shanklin on the east of the Isle of Wight just off the south of England to Cherbourg – a distance of about 130 km. The English Channel is relatively shallow, with an average depth of about 120 m. It was laid by unrolling the pipeline from a large-diameter drum, and ensuring that the pipe did not kink or otherwise suffer damage as it was laid was quite a feat. The pipeline itself had a diameter of three inches (76 mm), armoured and protected with mild steel. As well as the pipelines, pumping stations were built on the English mainland.



The PLUTO Pipeline, showing the layers of armoured protection (image courtesy of [www.combinedops.com](http://www.combinedops.com)).

A second set of pipelines called DUMBO was later laid across the Straits of Dover from Dungeness to Ambleteuse, near Boulogne.

At the height of their operations the pipelines were delivering almost 4,000 tons of fuel per day, equivalent to almost 1 million imperial gallons (4.5 million litres). In total, by VE Day, over 781,000 cubic metres (172 million imperial gallons) of fuel were pumped to the Allied forces in Europe.



Map showing the PLUTO and DUMBO pipelines.

The Mulberry Harbours were made of prefabricated concrete pontoons which were built in England, towed to France in the days following D-Day, and assembled in situ to make the harbours. There were two harbours: Mulberry A at Omaha Beach was destroyed by a severe storm on 19 June 1944, but Mulberry B at Gold Beach was operational for 10 months after D-Day, and over 2.5 million men, 500,000 vehicles, and 4 million tons of supplies were landed during its lifetime. The remains of some of the Mulberry B concrete pontoons at Arromanches Beach are still very obviously visible to this day.



Aerial photograph of the Mulberry Harbour at Arromanches (Sgt. Harrison, No.5 Army Film Photographic Unit, Public Domain).

Further information may be found at:

<https://www.combinedops.com/pluto.htm>

<https://www.youtube.com/watch?v=sgMCvEDBEFY&t=6m28s>

## IEEE AESS Michael Wicks Fund of the IEEE Foundation



Michael Wicks was a gifted electronic engineer who had a profound impact on all who met and interacted with him. His dedication to the radar community was well known. He gave freely of his time to serve the IEEE Aerospace & Electronic System Society (AESS) community.

By far his greatest legacy was the profound influence he had on a worldwide generation of radar engineers. His passion for giving back to the AESS and fervor for nurturing the next generation were his motivations when he created the **IEEE Michael C. Wicks Radar Student Travel Grant Award**.

Thanks to Mike's donation to seed the IEEE AESS Michael Wicks Fund of the IEEE Foundation, each year graduate students who are lead authors on a paper in the area of radar signal processing accepted for presentation during the annual IEEE Radar Conference can receive, if selected, travel support to attend the conference and present their research.

Celebrate Mike by joining him in supporting this worthy endeavor and help perpetuate his legacy: <https://www.ieeefoundation.org/wicks>

A tribute page to Mike can be viewed here: <http://ieee-aess.org/michael-c-wicks-memorial>

## Call for Nominations

Nominations are open for the 2021 awards cycle!  
Nominations for the following awards are due **31 January 2022**:

Fred Nathanson Memorial Radar Award

[Details](#) | [Nomination Form](#)

Warren D. White Award

[Details](#) | [Nomination Form](#)

M. Barry Carlton Award

[Details](#) | [Email TAES EIC](#)

Harry Rowe Mimno Award

[Details](#) | [Email MAES EIC](#)

## Member News

### DASC 2021 Drone Competition



In an effort to accelerate autonomous drone technologies development in the San Antonio area, a competition was held for college and high school students at the 2021 Digital Avionics Systems Conference.

[Read Here](#)

### The Future of Radar



Alfonso Farina (IEEE Fellow and 2021 AESS BoG member) sat down with the [Leonardo Company](#), an international aerospace, defense, and security company, and gave an inside look into the future of radar technology. Farina is deemed "one of the fathers of modern radar," providing a perspective that highlights upcoming developments such as the impact of digitalization, the latest-generation multifunction antennas, radar applications to support sustainable development, and in the longer term, quantum radars.

[Read Here](#)

### Southwest Research Institute (SwRI) Met with University of Texas at San Antonio Students



Four Southwest Research Institute (SwRI) electrical engineers met with students to panel a Q&A session for the University of Texas at San Antonio.

[Read Here](#)

### 2022 RADAR Challenge and Summer School





The 2022 Radar Conference on March 21-25 will feature many events, including the Radar Challenge and Radar Summer School.

The Radar Challenge is a series of events that enables participants to experience the magic of radar in a personal, tangible and experiential way. The events aim to invigorate participants to experiment with their self-engineered "home-brew" radar and the application of artificial intelligence/machine learning (AI/ML) to radar datasets.

The Radar Summer School provides an overview on a wide range of radar topics through short lectures and demonstrations instructed by noted radar experts. All are invited and welcome to attend!

[For more information on the Radar Challenge click here.](#)

[For more information on the Radar Summer School click here.](#)

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## 2021 IEEE Senior Members

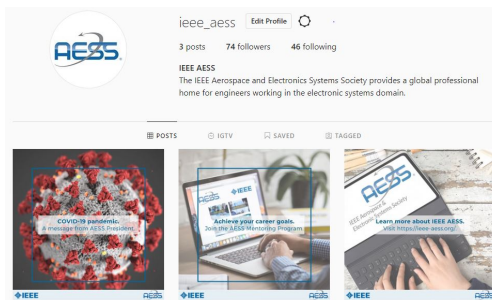
Senior Membership is the highest grade for which application may be made and shall require experience reflecting professional maturity; a candidate should be an engineer, scientist, educator, technical executive, or originator in IEEE-designated fields in professional practice for at least ten years and shall have shown significant performance over a period of at least five of those years.

For more information, go to the IEEE Senior membership section of the [IEEE website](#).

Visit our [website](#) to view the complete list of our Senior Members.

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## Join us on AESS Social Media!



Are you following the **AESS Instagram account** at **@IEEE\_AESS** and the **AESS LinkedIn Company Page**? Follow us to stay up-to-date with AESS initiatives and member news!

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## AESS Professional Networking and Mentoring Program



More information is available on the [AESS website](#). Mentors and mentees, it is easy to sign up for the program. Join us today!

[Sign Up Today](#)

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## AESS Membership Certificates are Now Available!

Follow these steps to download and print your certificate:

- Log into [Collabratec®](#)
- Click on your name in the top right of the screen and select "Member Certificates" from the drop-down menu
- From the "Member Certificates" page, click on the "Download PDF" link to the right of "IEEE Aerospace and Electronic Membership"
- Open the PDF and print it

## Publication News

### Upcoming Special Sections in the IEEE Transactions on Aerospace and Electronic Systems

[Special Section on Industrial Information Integration in Space Applications](#) - Submissions open 23 November 2021 - 31 December 2021

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## COVID-19 Related Research and Technologies Free to Access in IEEE *Xplore*®

IEEE realizes that many are directly or indirectly engaged in the fight against COVID-19 and its effects on global health and safety, research, infrastructure, communications, and more. IEEE has identified articles from the IEEE *Xplore* digital library that may help researchers understand and manage different aspects of the COVID-19 pandemic and technologies that can be leveraged to combat it.

All content in this collection is now free to access, with additional rights for all types of reuse, including full text and data mining, and analysis.

We are continually monitoring the developments and will update [IEEE Xplore](#) content periodically.

Thank you for your support of our shared mission to advance technology for humanity.

## AESS Technical Panels

### AESS Technical Operations

With the New Year, Prof. Michael Braasch assumed the position of Vice President Technical Operations as Prof. Marina Ruggieri has retired from that position. I would like to thank Marina for her outstanding service and wish Mike the best in his new position.

With the new year there is the promise of better days ahead as we adjust to the new normalcy in conferences and meetings. The Radar Conference in March, located in New York City, should set the tone for a year of successful conferences that the panels support.

A note just received: The Cyber Security Technical Operations Panel contributed a presentation on "Security Challenges for LEO Satellite Communications" to the November 2021 IEEE Future Directions Low Earth Orbit (LEO) Satellites and Systems (LEO SatS) virtual workshop. The workshop results will be highlighted on IEEE.tv beginning in December 2021. The panel's focus of its recent activities include the Cyber Security and Systems track of the IEEE/AIAA Digital Avionics Systems Conference and the IEEE International Carnahan Conference on Security Technology (ICCST). Both were held in October 2021.

Thank you and Happy New Year.

George Schmidt  
2021 Panel Coordinator

[View Current Panel Posts here.](#)

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## Panel Chair Statements

### **Avionics Systems Panel**

Roberto Sabatini, Chair

The Avionics Systems Panel (ASP) addresses technology research, innovation, education, and standards for avionics systems for all manned and unmanned commercial, military, and general aviation operations. The avionics system functions include communications; command and control; navigation; surveillance; traffic management; and space systems (launch vehicles, spacecraft and satellites). This is a transformational realm for avionics



systems design and development due to the introduction of artificial intelligence and machine learning into avionics for autonomous aircraft. The ASP can provide opportunities for members to collaborate across industry, government and academia as well as participate in the management and organization of the two leading avionics conferences that are jointly sponsored by IEEE and the American Institute of Aeronautics and Astronautics (AIAA). We welcome individuals who want to be the future shapers of the aviation and space sectors. Individuals interested in participating should contact the chair at [roberto.sabatini@ku.ac.ae](mailto:roberto.sabatini@ku.ac.ae).



#### **Cyber Security Panel**

Kathleen Kramer, Chair

The AESS Cyber Security panel promotes and supports cyber security technical activities in those aspects of cyber security relevant to complex systems for space, air, ocean, or ground environments, particularly those that apply to aviation and aerospace.

Are you active in cyber security and interested in participating on this panel? Are you interested in organizing or attending a local meeting in the summer virtual series? Please contact the panel chair, Prof. Kathleen Kramer at [kramer@sandiego.edu](mailto:kramer@sandiego.edu).



#### **Glue Technologies for Space Systems Panel**

Claudio Sacchi, Chair

Our panel intends to promote the activities of AESS in the interdisciplinary field of "Glue Technologies." The panel aims at bringing in the community a renewed systemic vision of telecommunications encompassing various and heterogeneous space technologies in a unified framework targeting the evolution to future "Space 2.0" vision.

You are encouraged to join the panel, writing an email to myself ([claudio.sacchi@unitn.it](mailto:claudio.sacchi@unitn.it)), to the panel vice-chair Michael Noble ([noble@ieee.org](mailto:noble@ieee.org)) and, in c.c., to the panel secretary Riccardo Bassoli ([riccardo.bassoli@tu-dresden.de](mailto:riccardo.bassoli@tu-dresden.de)). The affiliation to IEEE (and to AESS) is welcome, but not required to join.



#### **Gyro and Accelerometer Panel**

Randall Curey, Chair

The Gyro and Accelerometer Panel (GAP) is a long standing group of dedicated individuals whose contributions to the inertial sensors and systems body of standards benefit the inertial community at large. The GAP has existed for almost 60 years and has two standing committees; one for systems and one for sensors. The GAP develops and maintains a growing body of inertial sensor and system standards; 14 published standards and one in development. The GAP provides the

opportunity for the inertial community to develop long term relationships and networking

capabilities across academia, developers, users and customers. Participation in the GAP discussions provides a learning opportunity to hear diverse perspectives on how specifications are developed, which allows early-career professionals insight into the physics, the mathematics and the application. The GAP enables fellow professionals to engage with others in the inertial field for education, awareness and camaraderie. To that end, a number of unsponsored retirees continue to participate in the GAP activities. Individuals interested in participating should contact the chair at [randall.curey@ieee.org](mailto:randall.curey@ieee.org).



**Navigation Systems Panel**

Michael Braasch, Chair

The purpose of the Panel is to sustain and oversee the programs of the IEEE/ION Position, Location and Navigation Symposium (PLANS); promote and support publications in the domain of Navigation; and to encourage the submission of nominations for IEEE Fellows and Senior Members in the domain of Navigation. The Panel is composed of a variety of representatives of industry, government laboratories, educational institutions and professional societies who are

active in the domain of Navigation.

The panel works with the U.S. Institute of Navigation (ION) and the PLANS Executive Committee to select and support volunteers for PLANS including track chairs, session chairs and the like. The panel promotes the submission of navigation manuscripts to the *IEEE Transactions on Aerospace and Electronic Systems* and the *AESS Systems Magazine*.

Those working in the navigation area and interested in supporting the panel's activities are encouraged to contact the panel chair: Dr. Michael Braasch: [braaschm@ohio.edu](mailto:braaschm@ohio.edu).



**Radar Systems Panel**

Nathan Goodman, Chair

The IEEE Radar Systems Panel (RSP) serves this Technical Community by overseeing the world's flagship conferences in the field, serving as editorial staff for radar's home in the *IEEE Transactions on Aerospace & Electronic Systems Journal*, educating the radar workforce, and managing radar standards. With continued advances driven by the digital revolution, radar is truly experiencing a renaissance that is opening new vistas in myriad civil applications, increasingly sophisticated defense

applications, and addressing the growing congestion of spectrum. Indeed, the explosion of low-cost, software-driven technologies is ushering in a "home-grown" era of radar research that will ultimately lead to a previously unseen degree of innovation and crowdsourcing. Consequently, it is more important than ever that the RSP engages with a diverse population of the radar community, and individuals interested in serving should reach out to current members to learn how they can participate.

The RSP is composed of IEEE members who are representatives of industry, government laboratories, educational institutions, and professional societies, and who are active in the domain of radar.

Here is a current list of the members of the RSP

*Raviraj Adve	*Nathan Goodman	*Michael Picciolo
*Laura Anitori	*Martie Goulding	*Christ Richmond

*Augusto Aubry	*Maria Greco	*Matthew Ritchie
*Stephanie Bidon	*Sevgi Z. Gurbuz	*Luke Rosenberg
*Igal Bilik	*Braham Himed	*Stephanie Saillant
*Kristin Bing	*Julie Jackson	*Piotr Samczynski
*Alexander Charlish	*Visa Koivunen	*K James Sanston
*Fabiola Colone	*Matuesz Malanowski	*Aaron Shackelford
*William Correll	*Anthony Martone	*Graeme Smith
*Guolong Cui	*Marco Martorella	*John Stralka
*James Day	*William Melvin	*Lars Ulander
*Antonio De Maio	*Justin Metcalf	*Faruk Uysal
*Jacqueline Fairley	*Kumar Vijay Mishra	*Jennifer Watson
*J. Scott Goldstein	*Willie Nel	*Mark Yeary

## Education News

### AESS Distinguished Lecturer Program

All AESS Chapters and IEEE Sections are encouraged to take advantage of the AESS Distinguished Lecturer and Tutorial Program for their regular or special meetings, that allows them to select from an outstanding list of truly distinguished speakers who are experts in the technical fields of the society. For more information, please see the [AESS website](#).

### Distinguished Lecturer Reports



Thank you to all who attended and participated in the 2021 IEEE AESS Virtual Distinguished Lecturer Webinar Series. This initiative allowed us to continue providing AESS members with our respectable and reputable Distinguished Lecturer program. Recordings of all our webinars are now available to view on our website. was a huge success, reaching people across the world. We look forward to having more lectures and events in 2022.

[More Information and Recordings of the Virtual DLs](#)

## Conference News

# AESS Conferences' Paper Deadlines

Home

Updated: December 6, 2021

CONFERENCE	ABSTRACT SUBMISSION	FINAL PAPER SUBMISSION	CONFERENCE DATE	CONFERENCE LOCATION	WEB LINK
RadarConf 2022	September 24, 2021	January 21, 2022	March 21-25, 2022	New York City, New York, USA	<a href="http://radarconf2022.org">radarconf2022.org</a>
ICNS 2022	December 6, 2021	February 28, 2022	April 5-7, 2022	Herndon, Virginia, USA and Virtual	<a href="http://i-cns.org/">i-cns.org/</a>
MRW 2022	January 14, 2022	April 1, 2022	May 9-11, 2022	Gdańsk, Poland	<a href="http://mrw2022.org/irs">mrw2022.org/irs</a>
ICINS 2022	January 15, 2022	TBD	May 30 - June 1, 2022	Saint Petersburg, Russia	<a href="http://elektropribor.spb.ru/en/conferences/1520">elektropribor.spb.ru/en/conferences/1520</a>
ICL-GNSS 2022	-----	February 28, 2022	June 7-9, 2022	Tampere, Finland	<a href="http://events.tuni.fi/icl-gnss2022">events.tuni.fi/icl-gnss2022</a>
PAST 2022	-----	March 12, 2022	October 11-14, 2022	Waltham, Massachusetts, USA	<a href="http://array2022.org">array2022.org</a>

Follow the link below to find up-to-date information on the deadlines for all upcoming AESS conferences.

[Conference Paper Deadline Tracker](#)

## Call for Proposals for the 2024 IEEE Radar Conference

The Radar Systems Panel (RSP) of the IEEE Aerospace & Electronic Systems Society welcomes proposals from prospective organizers to host the 2024 IEEE Radar Conference. This conference series, originally initiated in 1984 as the US National Radar Conference, has grown to have an internationally diverse attendance and a reputation for the highest quality. The written proposal is due by 15 Dec 2021.

[More Information Here](#)

## Conferences and Workshops

The information below is current as of December 6, 2021. Please refer to the link below or to each conference website for the most up-to-date information.

[Visit Website](#)

**2022 IEEE Aerospace Conference**



Big Sky, Montana, USA | 5-12 March 2022

2022 IEEE AeroConf

## 2022 IEEE Radar Conference



New York City, New York | 21-25 March 2022

The 2022 IEEE Radar Conference will be in Times Square, New York City, USA from 21-25 March: <https://www.radarconf2022.org/>

Check out all the events that will be hosted



Radar Summer School	<a href="https://www.radarconf2022.org/radar-summer-school">radarconf2022.org/radar-summer-school</a>
Tutorials	<a href="https://www.radarconf2022.org/tutorials">radarconf2022.org/tutorials</a>
Industry Talks	<a href="https://www.radarconf2022.org/call-for-industry-talks">radarconf2022.org/call-for-industry-talks</a>
Plenary Session	<a href="https://www.radarconf2022.org/plenary-speakers">radarconf2022.org/plenary-speakers</a>
Industry Panel	<a href="https://www.radarconf2022.org/industry-panel">radarconf2022.org/industry-panel</a>
Women in Engineering Lunch	<a href="https://www.radarconf2022.org/women-in-engineering">radarconf2022.org/women-in-engineering</a>
Networking for Young Professionals	<a href="https://www.radarconf2022.org/yp-social-event">radarconf2022.org/yp-social-event</a>
Student Paper Competition	<a href="https://www.radarconf2022.org/student-paper-competition">radarconf2022.org/student-paper-competition</a>



Radar Challenge	<a href="https://radarconf2022.org/radar-challenge">radarconf2022.org/radar-challenge</a>
Inner Circle Exclusive Lunch	<a href="https://radarconf2022.org/the-inner-circle">radarconf2022.org/the-inner-circle</a>
Support for Student Travel	<a href="https://radarconf2022.org/students">radarconf2022.org/students</a>

**2022 IEEE RadarConf**

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## 2022 IEEE Metrology for AeroSpace 2022



Pisa, Italy | June 27-29, 2022

**2022 IEEE MetroAeroSpace**



National Harbor, MD, USA | 29 August - 1 September 2022

**2022 IEEE AUTOTESTCON**

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## Technically Co-Sponsored Conference Listing:

### IEEE Radio and Wireless Symposium (RWS 2022)

Las Vegas, Nevada, USA | 16-19 January 2022

[Visit Conference Website](#)

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### 10th Workshop on Satellite Navigation Technology (NAVITEC 2022)

Noordwijk, The Netherlands | 4-8 April 2022

[Visit Conference Website](#)

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22nd Integrated Communications, Navigation, and Surveillance Conference (ICNS 2022)

Herndon, Virginia, USA and Virtual | 5-7 April 2022

[Visit Conference Website](#)

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**International Radar Symposium (IRS 2022)**

Gdańsk, Poland | 9-12 May 2022

[Visit Conference Website](#)

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**29th Saint Petersburg International Conference on Integrated Navigation Systems (ICINS 2022)**

Saint Petersburg, Russia | 30 May - 1 June 2022

[Visit Conference Website](#)

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**International Conference on Localization and GNSS (ICL-GNSS 2022)**

Tampere, Finland | 7-9 June 2022

[Visit Conference Website](#)

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**9th International SpaceWire and SpaceFibre Conference (ISC 2022)**

Pisa, Italy | TBD

[Visit Conference Website](#)

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**IEEE International Symposium on Phased Array Systems and Technology (PAST 2022)**

Waltham, Massachusetts, USA | October 11-14, 2022

[Visit Conference Website](#)

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Do you have a conference you'd like advertised in the AESS Quarterly Email Blast? Contact [Amanda Osborn](#) for details on how to have it included.

[View Full List of AESS Conferences](#)

## Publications

### IEEE Aerospace and Electronic Systems Magazine

The *IEEE Aerospace and Electronic Systems Magazine* is a monthly magazine that publishes articles concerned with the various aspects of systems for space, air, ocean, or ground environments as well as news and information of interest to IEEE

#### Latest Issues

[November 2021](#)

[October 2021](#)

[September 2021](#)

Aerospace and Electronic Systems Society members. Our goal is to inform the readers of technologies, state of the art, design trades, etc. so that they will gain insights into a field heretofore unknown to them. We want to introduce technical specialties to readers in the hope that something in the articles will give them some insight for their own fields of endeavor.

[August 2021](#)

[July 2021](#)

[June 2021](#)

[May 2021](#)

[April 2021](#)

[March 2021](#)

[February 2021](#)

[January 2021](#)

## **IEEE Transactions on Aerospace and Electronic Systems**

*IEEE Transactions on Aerospace and Electronic Systems* (T-AES) focuses on the organization, design, development, integration, and operation of complex systems for space, air, ocean, or ground environment. These systems include, but are not limited to, navigation, avionics, spacecraft, aerospace power, radar, sonar, telemetry, defense, transportation, automated testing, and command and control.

### **Latest Issues**

[December 2021](#)

[October 2021](#)

[August 2021](#)

[June 2021](#)

[April 2021](#)

[February 2021](#)

**AESS Officers**

**AESS Board of Governors**

**AESS YP & Student Representatives**

### **AESS Suggestions Welcome**

We welcome suggestions from members on how the AESS can improve.

[Laila Moreira](#), 2022 VP Member Services

[Amanda Osborn](#), AESS Operations Manager

