



IEEE Antennas and
Propagation Society

Newsletter

October 2023

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IEEE Antennas and Propagation Society (AP-S) was featured in an IEEE Foundation article, "Making Waves."

Read about how the recognition of industry giants and next-generation leaders alike is possible thanks to giving to the IEEE Foundation.

[Read here >](#)

**Call for Nominations for AP-S Young Professionals
Ambassadors:
Deadline 30 October**



The objective of this program is to inspire and inform AP-S Young Professionals on a variety of topics both technical and non-technical to enhance their interest and engagement in the field of Antennas and Propagation by delivering the talks at various Chapters/Sections "on-demand" virtually.

Submit questions and nominations to: Dr. Qammer H. Abbasi, Chair, IEEE AP-S Young Professional Ambassador Program Sub-Committee, Qammer.abbasi@glasgow.ac.uk

[Details >](#)



Call for AP-S Service-Learning Projects that Address the Local Environmental Community Needs

IEEE Antennas and Propagation Society (AP-S) is partnering with EPICS in IEEE to bring US\$50,000 to support AP-S Community Projects. The EPICS in IEEE service-learning projects are an opportunity for students to work with IEEE members to address the local environmental and climate change technological needs in their communities. Through their service-learning projects, the students will also develop critical knowledge and skills to help them succeed in their future engineering careers.

[Call for projects >](#)

Call for 2024 Field Awards Nominations Deadline 31 December

Call for Nominations for the 2023 IEEE Antennas and Propagation Society Field Awards

Nominations or self-nominations are solicited for the 2024 IEEE AP-S awards. There are six awards that the Society will give this year. A brief description of each award, its criteria, and a template of the nomination form are provided below. All nominations are subject to the terms in the AP-S and IEEE guidelines detailed in the Operating Manuals and Bylaws. Nominators are encouraged to review these guidelines before submission.

The deadline for nominations is December 31, 2023.

Distinguished Achievement Award

The Distinguished Achievement Award is given annually (if a qualified candidate is nominated) to recognize outstanding career achievement by an individual in the field of antennas and propagation. Preference is given to a member of the Society.

The criteria considered by the AP-S Awards Committee include:

- Contributions to fundamental electromagnetic theory and its advanced applications.
- Contributions to the theory of antennas.
- New methods and approaches to analysis, synthesis and design of antennas.
- New methods of analysis of propagation of electromagnetic waves, and
- Other new contributions relevant to the field of antennas and propagation.

Chen-To Tai Distinguished Educator Award

The Chen-To Tai Distinguished Educator Award is given annually (if a qualified candidate is nominated) to recognize outstanding career achievement by a distinguished educator in the field of antennas and propagation.

The criteria considered by the AP-S Awards Committee include:

- Excellence in teaching.
- Involvement with and direction of students to prepare them for effective careers in electromagnetics.
- Curriculum development with inclusion of current research and knowledge that reflects the state of the art in courses, and
- Authorship of research and course material

Nominations or self-nominations are solicited for the 2024 IEEE AP-S awards. There are six awards that the Society will give this year. A brief description of each award, its criteria, and a template of the nomination form are provided below. All nominations are subject to the terms in the AP-S and IEEE guidelines detailed in the Operating Manuals and Bylaws. Nominators are encouraged to review these guidelines before submission.

Please email the nomination form together with endorsement letters to: Prof. Gianluca Lazzi, Awards Committee Chair, lazzi@usc.edu

[Details >](#)

The poster features logos for IEEE Ottawa Section, IEEE Montreal, IEEE Women in Engineering, MTT-S, EMC, and A&S. The title is "Arcs and Sparks: Live Reflectometry for Wires, Photovoltaics, and Impedance Measurements". It includes a photograph of a solar panel with a spark, two graphs of "Conductance Magnitude" vs "Time [s]" showing waveforms for different fault types, a block diagram of the measurement setup, and a photo of Prof. Cynthia Furse. The speaker information is: Speaker: Prof. Cynthia Furse, Utah, USA. Date: November 9th, 2023. Time: 12PM (EST). A Zoom Webinar.

Distinguished Lecturer Webinar: ARCS AND SPARKS: LIVE REFLECTOMETRY FOR WIRES, PHOTOVOLTAICS, AND IMPEDANCE MEASUREMENTS

Speaker: Dr. Cynthia Furse, University of Utah
When: 9 November, 12:00 PM to 01:00 PM EST

Abstract: Aging electrical wiring has been identified as an area of critical national and international concern. Faults in aircraft wiring have been implicated in a number of severe aircraft incidents including the TWA800 and SwissAir111 crashes.

Electrical wiring is the number one cause of home and building fires, and is responsible for numerous incidents in consumer product safety, photovoltaic systems, vehicular safety/reliability, safety of nuclear facilities, reliability of power distribution systems and communication systems, and others.

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