The Applied Computational Electromagnetics Society Newsletter-September 2022



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Become ACES Member

ACES membership offers free access to the ACES Journal and discounted registration fees for the ACES conferences.

<u>Member:</u> Basic: \$40/year Student/Retired: \$25/year Life: \$400/year

Institutional Member: Basic (US): \$360/year Basic (Intl): \$540/year Expanded (US): \$535/year Expanded (Intl): \$715/year

Become an ACES member by signing up here.

Website: https://aces-society.org

Contact:

newsletter@aces-society.org

Join ACES Group on Linkedin.

We look forward to your contributions to the ACES Journal as well as your participation in the ACES Conferences.

Sincerely,

Hakan Bagci Editor - ACES Newsletter

The President's Message



Dear ACES Members and Friends,

On behalf of the Applied Computational Electromagnetics Society, I would like to welcome you to a September 2022 edition of our ACES Newsletter!

We are now in the midst of preparations for our next conference, 2023 International Applied Computational Electromagnetics Society (ACES) Symposium, ACES2023, to be held in-person from March 26-30, 2023, in Monterey, California, USA. For all the details, please see https://aces-

society.org/conference/Monterey_2023. It is always fantastic to have ACES conferences in Monterey. The conference venue is spectacular; our hotel, Embassy Suites Monterey Bay, is practically on the beach, with a lot of things to see and do nearby. The paper submission site is open and the submission deadline, November 14, 2022, is approaching. We have a large number of organized sessions, with a diverse set of interesting and timely topics in applied computational electromagnetics. Distinguished researchers are being invited to deliver plenary talks on technology trends and significant advances in relevant topics. The technical program will also include short courses, tutorials, and vendor booths.

The next edition of our ACES-China Conference will be held in Xuzhou, China, from October 28-31, 2022, in a hybrid format with both in-person and virtual participation.

We have continued our work with our partner River Publishers to further advance the editorial and production processes for our ACES Journal, to the benefit of our members, authors, reviewers, and readers.

Our newest initiative, ACES School of Electromagnetics, is shaping up fast and promises to be a great opportunity for students and many others to learn from some of the most respected researchers and educators in the community. The first offering of the school will take place in late January 2023, virtually, to allow easy attendance from all around the world.

We are currently running three nomination processes – for ACES Board of Directors election, ACES Awards, and ACES Fellows selection. Getting excellent nominees for BoD Members, Award Winners, and Fellows is crucial for the Society. Please look for the corresponding email calls for nominations for these three important processes. The deadline for all three nominations is November 7, 2022. There is still time left, so please consider nominating a colleague or facilitating your own candidacy, and act quickly.

Thank you!

Branislav M. Notaros President, ACES Professor, Colorado State University Fort Collins, CO, USA

ACES Awards

ACES has established four annual awards for individuals who have made significant contributions to the technical areas of interest to ACES and individuals who have offered significant services to the Society.

ACES Computational Electromagnetics Award

To honor career achievements and major contributions in the field of computational electromagnetics.

ACES Technical Achievement Award

To honor original technical contributions in the field of applied computational electromagnetics, supported by publications, patents, and other products such as developed computer codes.

ACES Meritorious Service Award

To honor outstanding and dedicated service to ACES over a long period of time. Technical contributions are not a factor in this award.

ACES Early Career Award

To honor achievements and contributions in the field of computational electromagnetics by a researcher aged 35 years or younger at the time of nomination.

The awards will be presented at the Awards Banquet at this year's ACES Conference.

No more than one recipient of each of the four awards will be selected each year. The ACES Awards Committee will select recipients and notify the nominators of the outcome. If no suitable nominations are submitted, the Awards Committee may select recipients from the current ACES membership at their own discretion. Preference for the ACES Computational Electromagnetics Award will be given to ACES members, although it may be awarded to non-members at the Awards Committee's discretion. The other awards are restricted to the members with preference given to individuals who have maintained ACES membership for at least a 5-year period.

Deadline for nominations: November 7, 2022

Additional information and nomination forms are available on the ACES website. For more information, please email Abd Arkadan.

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ACES Board of Directors

The nomination for new members of the ACES Board of Directors for the three-year term 2023-2026 is now open. The nominator must be an ACES member at the time of nomination. The nominee must be a continuous member of ACES and in good standing at the time of nomination and election, and throughout the period of service on the board, if elected. Self-nominations are acceptable. It is desirable for you to check with your nominee on their membership status at ACES, and if they accept the nomination.

Please submit the name of your nominee to the ACES Elections and Nominations Committee Chair, Steven Weiss by email.

Deadline for nominations: November 7, 2022

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ACES School of Electromagnetics

ACES members Hakan Bagci, Zhen Peng, Sima Noghanian, Andrew Peterson, Atef Elsherbeni, and Branislav Notaros (ACES President) have been actively working on establishing the ACES School of Electromagnetics. The school aims to train graduate level students and industry professionals on various topics of computational electromagnetics ranging from fundamentals of different numerical methods to applications of these methods in traditional and emerging fields of electromagnetics.

The school will be implemented in increments/groups of two-hour live lectures given online via video conferencing by the internationally known experts in the field of computational electromagnetics and the broader field of electromagnetics. The lectures will be recorded and made available online to ACES members.

The first offering of the school will take place end of January 2023. Please stay tuned for more information that will be posted on the ACES website, the ACES Linkedin Group, and the ACES emailing list.

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ACES Conference

The ACES conference is going to take place in Monterey, California, USA between March 26-30, 2023.

The ACES conference serves as a forum for developers and users of computational techniques applied to electromagnetic problems in all frequency ranges. The conference includes technical invited plenary and regular presentations, software tutorials, vendor booths, and short courses.

Papers may address general issues in applied computational electromagnetics or focus on specific applications, techniques, codes, or computational issues of potential interest to ACES members through invited and contributed papers. Distinguished researchers are invited to deliver keynote speeches on technology trends and significant advances in relevant topics.

There is still time to organize a session: If you are interested, please contact technical program chair Atef Elsherbeni and technical program co-chairs Jiming Song, Hakan Bagci, and Nunzia Fontana.

More information about the ACES Conference is posted on the ACES website and the ACES Linkedin Group, and updates are are being sent to the ACES email list.

Deadlines:

Paper submission: November 14, 2022 Notification of acceptance: January 2, 2023 Revised paper submission: January 16, 2023 Early registration: February 6, 2023

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ACES Journal

The ACES Journal is devoted to the exchange of information in the field of computational electromagnetics, to the advancement of the state of the art, and to the promotion of related technical activities. The ACES Journal welcomes original, previously unpublished papers, related to computational electromagnetics. All papers are refereed.

Latest issues

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