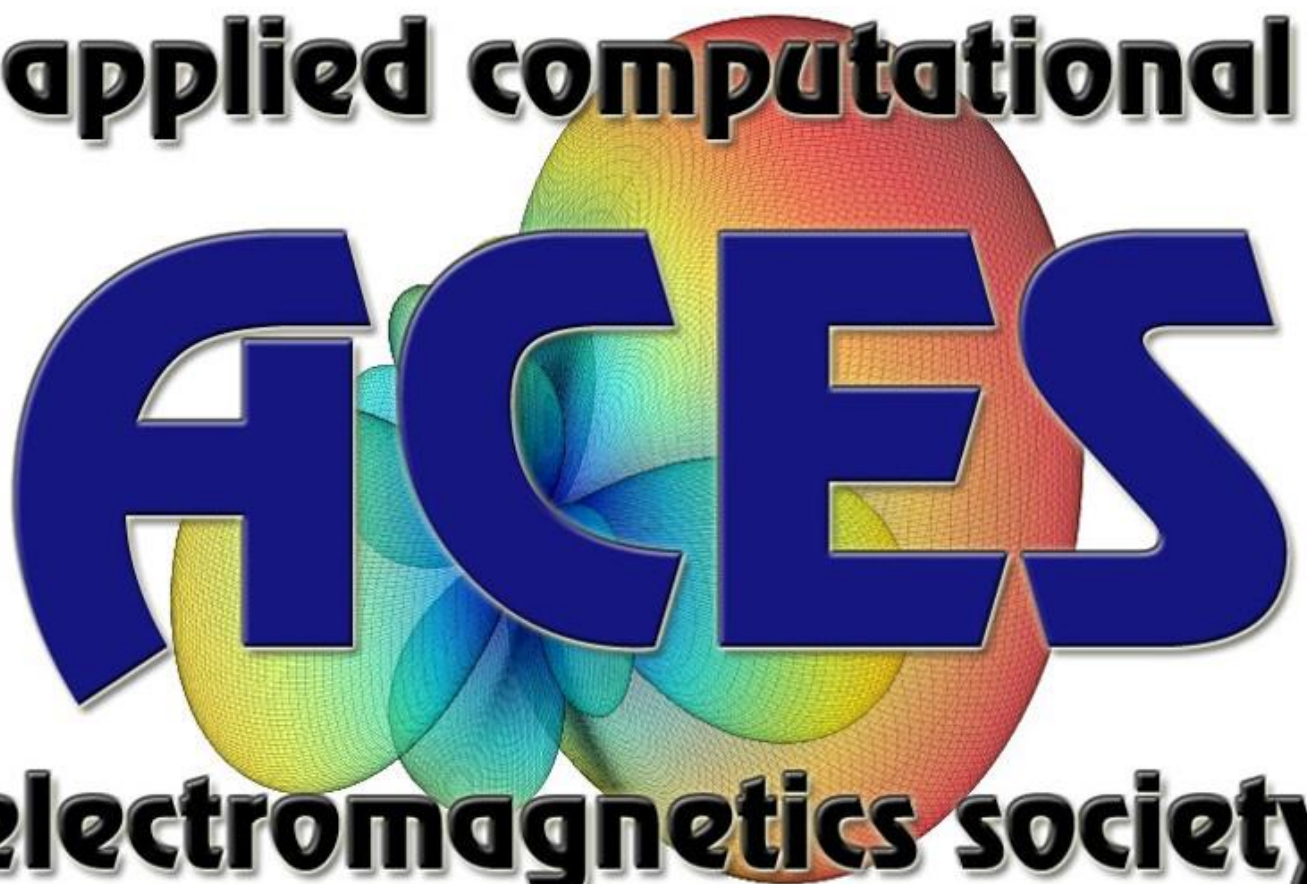


applied computational



ACES

electromagnetics society

Newsletter
September 2021

Applied Computational Electromagnetic Society (ACES)

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 2021 edition of our ACES Newsletter!

We are opening a new chapter in the life and success of our ACES Journal, with our partner River Publishers, who will host, print, publish, and distribute the Journal issues, on behalf of ACES, <https://journals.riverpublishers.com/index.php/ACES/>.

This is an extremely exciting new chapter in making, and I would like to thank the leaderships of both ACES and River Publishers, as well as our outstanding Editors in Chief, for many, many months of incredible efforts to establish and shape this partnership and to transition the journal into its new form, which is an ongoing process.

Our ACES2021 Conference, held from August 1-5, 2021 Online, was a great success! We had about 200 excellent papers and presentations that ran live and interactive in four parallel online "Streams", <https://aces-society.org/conference/Online-Live-2021/ACES-2021-Program.pdf>. Each day started with two very well attended plenary talks, live. The program included seven tutorials, most from industry. We had 215 registered attendees, with the geographic diversity being significantly strengthened thanks to the online format of the conference. On August 4, we held the virtual Awards Ceremony, where we presented and celebrated four ACES Awards, new ACES Fellow, and Student Paper Competition Awards, including live Social Program.

On behalf of the Society, special thanks go to our Organizing Committee, https://aces-society.org/conference/Online-Live-2021/conf_orgcom.php, for great vision and organization and tireless work over several months to make this online event so fruitful and enjoyable. I would again like to express our deepest thanks to our session organizers for a fantastic job done. And most importantly, I would like to thank all our authors, reviewers, and attendees for making all of this happen and for great cooperation and interaction before and during the conference.

Our ACES-China-2021 Conference, held in Chengdu, China, from July 28–31, 2021, in a hybrid format with both in-person and virtual participation and more than 500 papers, was a phenomenal event and great success as well! On behalf of the Society, I would like to express our profound gratitude to the Organizing Committee, <http://www.em-conf.com/aces-china-2021/conference/html.php?title=Committee>. It is huge effort and challenge to organize and run a hybrid conference, and we really appreciate all the hard work and fantastic organization.

We are currently running three nomination processes – for ACES Board of Directors election, ACES Awards, and ACES Fellows selection. Please look for the corresponding email calls for nominations and please consider nominating a colleague or facilitating your own candidacy.

Thank you!

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

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Become ACES Member
ACES membership offers many advantages that include ACES Journal and Conference registration fees.

Member:

Basic: \$40/year

Student/Retired: \$25/year

Life: \$400

Institutional Member:

Basic (US): \$360/year

Basic (Intl): \$540/year

Expanded (US): \$535/year

Expanded (Intl): \$715/year

Become ACES member by signing up [here](#).

Join ACES Group on
LinkedIn



[ACES Journal](#)

It is a great pleasure to announce our new cooperation with River publishers. From now on the ACES Journal will be hosted on the River publishers platform, while our usual ACES Website remains active for all the society related activities, information and, most importantly, for the annual conferences.

Direct link to the ACES Journal and submission (<https://journals.riverpublishers.com/index.php/ACES/>)

Link to River Publishers homepage (<https://www.riverpublishers.com/index.php>)

The journal main focus remains unchanged, i.e. the exchange of information in 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, relating to applied computational electromagnetics. All issues are already available on River Publishers platform

Here is a welcome message that the publisher Nicki Dennis prepared for all of us

River Publishers, is an international publisher with headquarters in Denmark. We publish a number of journals as well as monographs, professional books, handbooks and edited volumes focused on key research areas within the fields of Science, Technology and Medicine (STM).

River Publishers was founded in 2007 and since then we have published over 400 book titles and are publishing 13 International peer reviewed Journals Our journal publications are in the areas of Telecommunications, Information Technology, Energy, Fluid Power, Computational Mechanics and now Computational Electromagnetics. The journals published by River Publishers are either open access or hybrid, and these are indexed with Web of Science, SCOPUS and other relevant databases.

The Journals team at River Publishers are

Karen Donnison – Journals Manager, Karen looks after the day-to-day running of our Journals platform (karen.donnison@riverpublishers.com)

Nicki Dennis – Journals Publisher, Nicki (who some of you may also know as the books editor for the ACES book series with the IET) looks after the strategic plans for the journals, special issues, new board members etc. (nicki.dennis@riverpublishers.com)

Subbu Ramanyan – Journal production manager, Subbu will be looking after papers once they are approved and at the typesetting stage

Marina Gezha – Finance manager, Marina will be in touch with authors over their processing fees
Rajeev Prasad – CEO – Rajeev is our boss

We are all delighted to be publishing the ACES Journal and also very excited to be working together with Atef, Sami and their team of Associate editors and reviewers to ensure the continued smooth running of the Journal. We look forward to seeing submissions of the highest quality and are here to answer your questions at any time.

Niki Dennis

ACES 2021 Virtual Conference, August 2021



The ACES 2021 virtual conference was organized as an online-live event, with speakers, attendees and live Q&A.

The program included around 190 papers, 8 plenary speeches, 7 tutorials, a student paper competition and a social event. The number of registered participants was 215.

As always, during the social event the recipients of the ACES Fellow grade, ACES Awards, and Student Paper award were announced.

For the first time ever, the social event had also a special competition ACES got talent, in which authors and their family members could show their artistic skills!



ACES Awards (4 awards given annually)



ACES Computational Electromagnetics Award

Salah Obayya, "For research leadership and significant contributions to computational electromagnetics techniques for the analysis of optical waveguide devices."



ACES Early Career Award

Qiang Ren, "For innovative contributions to the multiscale discontinuous Galerkin time domain method in computational electromagnetics."



ACES Technical Achievement Award

Andrew Peterson, "For pioneering and seminal contributions to the development of controlled accuracy computations in CEM"



ACES Meritorious Service Award

Harold Sabbagh, "In recognition of exceptional and longtime service to the ACES Society"

Do not hesitate to nominate your meritorious colleagues for our prestigious awards: nominations are done annually on the ACES website and an announcement for the deadline is going to be sent soon to the ACES members.

New elevated ACES FELLOW



Dr. Hakan Bagci, Associate Professor of Electrical and Computer Engineering, King Abdullah University of Science and Technology, Saudi Arabia.

ACES Fellows are selected by the fellow committee amongst the nominees, that should be outstanding researchers in the area of Computational Electromagnetics. If you think one of your colleagues deserves such recognition nominate him for ACES Fellow.

ACES 2021 Conference Student Paper Award

The first-place winner: **Tao Shan**, with paper title “*Physics informed Supervised Residual Learning for Electromagnetic Modeling*”.

The second-place winner: **Gaeron Friedrichs**, with paper title “*On the Use of Machine Learning for Direction Finding with Circular Monopole Antenna Arrays*”.

The third-place winner: **Kypros Kossifos**, with paper title “*Agile and Multifunctional Integrated Circuit Enabled Metasurface*”.

[ACES China Conference, July 2021](#)

The 2021 International Applied Computational Electromagnetics Society Symposium in China (ACES-China 2021), was held from July 28 to July 31, 2021, in Chengdu, China, which is the fourth of the consecutive series initiated in 2017 in Suzhou, followed in 2018 in Beijing, in 2019 in Nanjing and this year in Chengdu. Since then ACES-China has become an annual international conference and now it has been one of the most important events in worldwide electromagnetic communities. ACES-China 2021 is also truly international: more than 530 papers from eleven countries/regions have been submitted, not only from China but also from countries such as the United States, the United Kingdom, Europe, and Middle East. We had 7 entertaining and engaging Plenary Speakers that provided unique perspectives on some of the most interesting and relevant topics for the community, 2 free short courses, 216 oral presentations and 256 poster presentations. The social program was exceptional as well, including welcome reception, awards banquet with live entertainment, meals during all conference days. Besides, we would like to take this opportunity to express our sincere appreciation to the leading scientists, session organizers and all contributors for their great help and valuable supports to ACES-China 2021. Many thanks also to the Technical Program Committee, the Organizing Committee and the International Steering Committee as well as the sponsors and the technical sponsors for their efforts to bring all the participants an excellent technical program and an opportunity to spend a pleasant time at the conference. Overall, ACES-China 2021 in Chengdu was a great success and a truly memorable experience for all its participants.





ACES is looking forward to your contributions to the ACES Journal as well as your participation in future ACES Conferences. We look forward to your feedback and involvement in ACES activities.

Sincerely,

Sami Barmada

Editor - ACES Newsletter