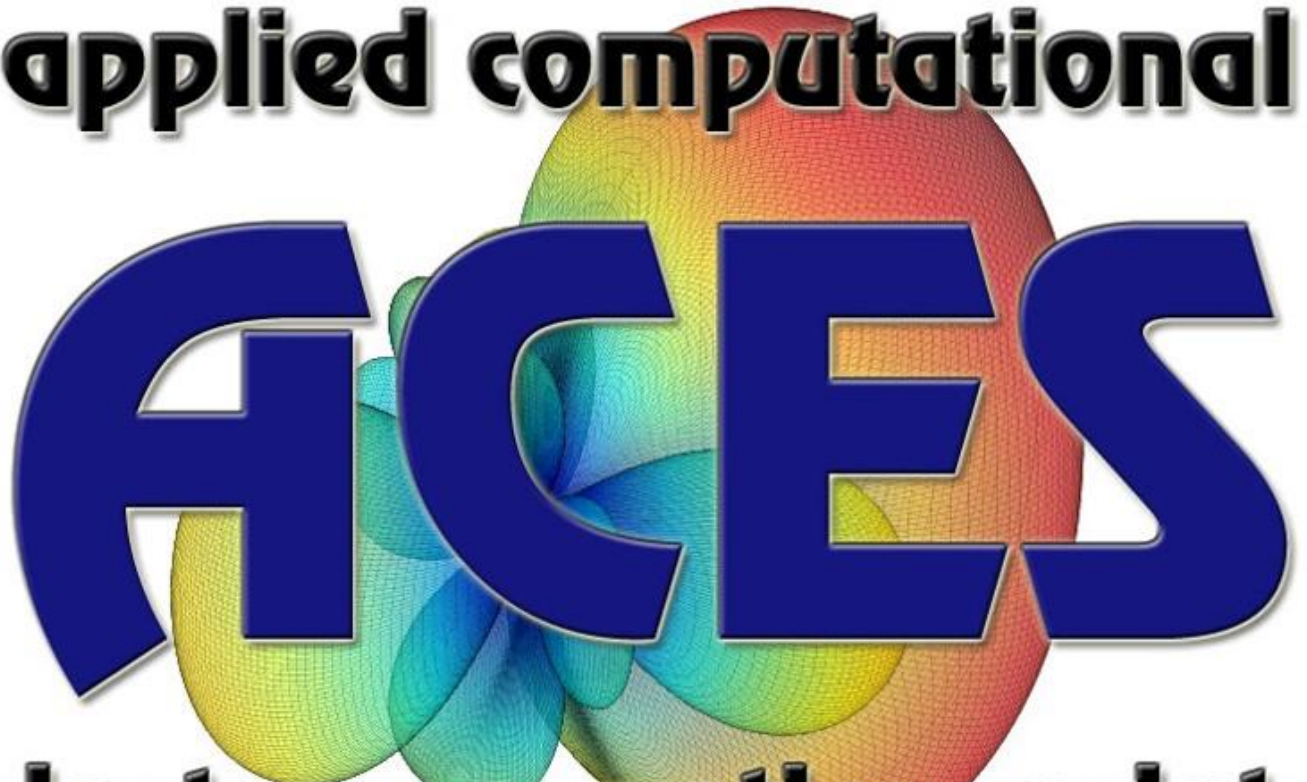


**applied computational**



**ACES**

**electromagnetics society**

**Newsletter**

**September 2019**

Applied Computational Electromagnetic Society (ACES)

# President's Message



Greetings from Golden Colorado, USA.

Last month, the second 2019 ACES Symposium was held in Nanjing, China (August 8-11, 2019) and it was a great success. The proceedings will be soon published on IEEE Xplore. Looking forward, ACES 2020 will be held in Monterey, California USA at the Embassy Suites Monterey Bay – Seaside (March 22-26, 2020). An excellent technical program is in the making. Please check the call for papers posted at ACES website.

As ACES 2020 General Chair, I would like to invite you to submit papers or organize sessions at the 2020 ACES Symposium. If you plan to organize a session, please contact Shanell at [salopez@mines.edu](mailto:salopez@mines.edu). For more information on submitting a paper or about the conference and the venue, please visit the conference website at:

[http://aces-society.org/conference/Monterey\\_2020/](http://aces-society.org/conference/Monterey_2020/)

In addition, as ACES president, I urge you to renew your membership or become a member of ACES, if you have not done that. As ACES member, you will qualify for ACES reduced conference registration and publications fees, will be able to vote in ACES Board of Directors' elections, and could be nominated for ACES awards, among other things.

In closing, I wish you productive and enjoyable times and I am looking forward to seeing you at ACES 2020 in Monterey.

**Abd A. Arkadan**  
*President-ACES*  
*Professor of Electrical Engineering*  
*Colorado School of Mines*  
*Golden CO, USA*

## In This Issue

[President's message](#)  
[ACES Conference in Nanjing](#)  
[ACES 2020 Conference](#)  
[ACES Awards 2020](#)  
[ACES Journal](#)

## Become ACES Member

ACES membership offers many advantages that include access to ACES Journal and discounted registration fees for ACES conferences.

### Member:

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

Join ACES Group on  
LinkedIn



## [ACES Conference in Nanjing](#)

The 2019 International Applied Computational Electromagnetics Society Symposium-China (ACES) in Nanjing, is the third of the consecutive series initiated in 2017 in Suzhou, followed in 2018 in Beijing, and this year in Nanjing.

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 2019 is also truly international: more than 411 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.

---

## [ACES 2020 Conference in Monterey](#)



The ACES 2020 “western” Conference will be held in beautiful Monterey: as you all know Monterey is the place where it all started, and where the ACES attendees like to gather.

The organizing committee is composed by the following people: feel free to contact any of them for conference related issues.

***General Chair:***

*Abd A. Arkadan, Colorado School of Mines, USA*

***Technical Program Chair:***

*Atef Elsherbeni, Colorado School of Mines, USA*

***Technical Program Co-Chairs:***

*Sami Barmada, University of Pisa, Italy*

*Yasushi Kanai, Niigata Institute of Technology, Japan*

*Atif Shamim, King Abdullah University of Science and Technology, Saudi Arabia*

*Mike Wakin, Colorado School of Mines, USA*

**The deadline for submission is October 16<sup>th</sup>, 2019, with notification of acceptance on December 18<sup>th</sup>, 2019.**

---

The following extraordinary line-up of plenary speakers has been set up:



*Dr. Andrew Peterson*  
*School of Electrical and Computer Engineering*  
*Georgia Institute of Technology, Atlanta, GA*  
ACES at 35: The Past, Present, and Future of Applied CEM



*Dr. Adel Ghanem*  
*CEO of Vitashi Health, San Francisco, CA*  
Wireless Sensor Networks: Remote Observability and Control Issues and Requirements



*Dr. Abbas Omar*  
*University of Magdeburg, Magdeburg, Germany*  
Computational Millimeter-Wave and THz Imaging



*Dr. Fan Yang*  
*Microwave and Antenna Institute*  
*Electronic Engineering Department, Tsinghua University, China*  
Surface Electromagnetics: Physics Exploration and Engineering Applications



*Dr. Peter Aaen*  
*Department of Electrical Engineering*  
*Colorado School of Mines, Golden, CO*  
Quantitative Visualization of Microwave Circuits under Realistic Operating Conditions



*Dr. Stavros Georgakopoulos*  
*Department of Electrical and Computer Engineering*  
*Florida International University, Miami, FL*  
Antenna Reconfiguration Beyond Electronics: Foldable and Morphing Antennas and Electromagnetic Systems



*Prof. Qing Huo Liu*  
*Department of Electrical and Computer Engineering*  
*Duke University, Durham, NC*  
Spectral and High-Order Methods in Computational Electromagnetics

## [ACES Awards 2020](#)

- ACES Computational Electromagnetics Award
- ACES Technical Achievement Award
- ACES Meritorious Service Award
- ACES Early Career Award

The awards will be given each year at the Awards Banquet at the ACES annual conference. The following is a description of the four awards:

**ACES Computational Electromagnetics Award:** To honor career achievements and substantial, major contributions in the field of computational electromagnetics.

**ACES Technical Achievement Award:** To honor one or more demonstrated 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.

Ground Rules: No more than one recipient of each of the four awards will be selected each year. Nomination forms are available on the ACES web site under the "Elections/Awards" tab. Nominations will be accepted until November 15, 2019. 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 members of ACES with preference given to individuals who have maintained ACES membership for at least a 5-year period.

**Deadline for ACES Awards nominations: November 15, 2019**

---

## [ACES Journal](#)

### **Latest issues**

The ACES Journal is devoted to 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 papers are refereed. Access all issues of ACES Journal [online](#).

[Direct link to the May 2019 Issue](#)

[Direct link to the June 2019 Issue](#)

[Direct link to the July 2019 Issue](#)

[Direct link to the August 2019 Issue](#)

We wish to remind all of you that all ACES Journal Issues can be downloaded from the website at no charges; in addition, Express Journal Papers (short papers with faster publication track) are now published on a dedicated section of the ACES Journal.

ACES is looking forward to your contributions to the ACES Journal and the Express 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*

---

Applied Computational Electromagnetic Society | [newsletter@aces-society.org](mailto:newsletter@aces-society.org) | <http://aces-society.org/>

Colorado School of Mines  
310D Brown Building  
1610 Illinois Street  
Golden, CO 80401