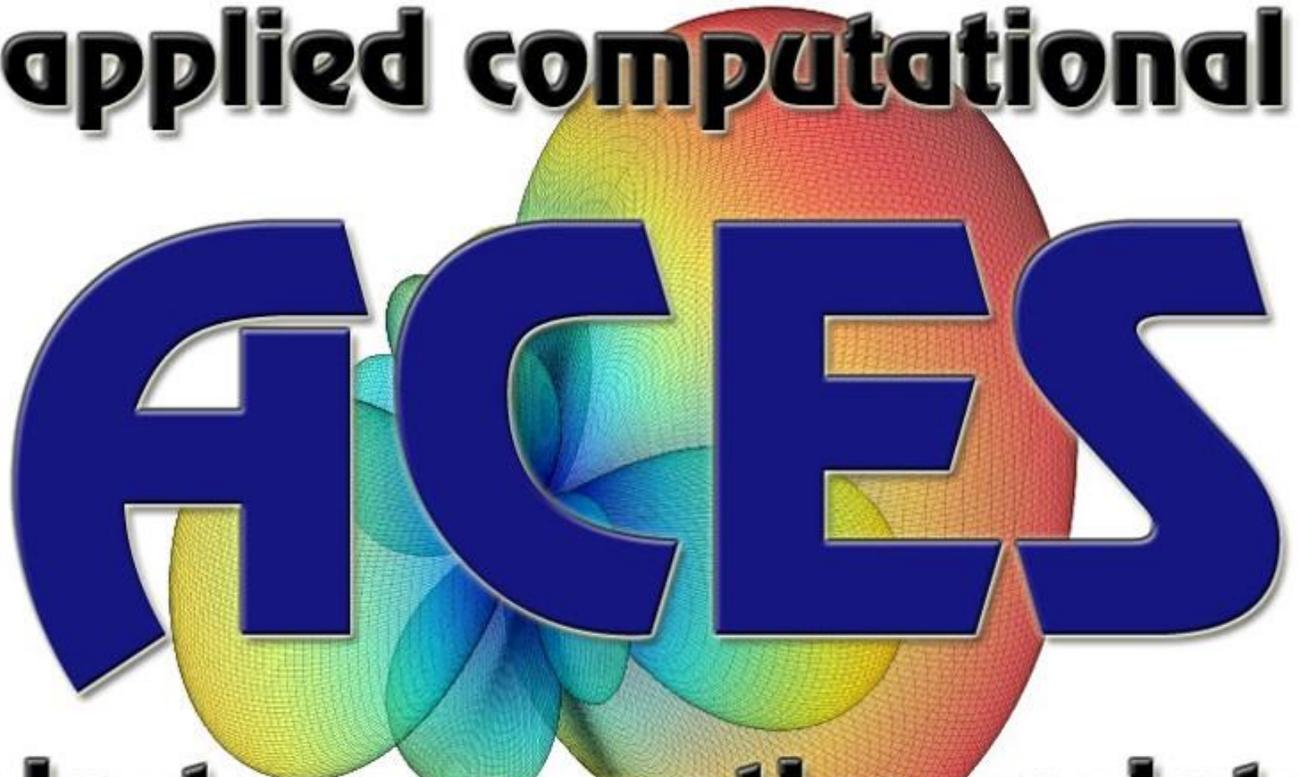


**applied computational**



**ACES**

**electromagnetics society**

**Newsletter**

**June 2018**

Applied Computational Electromagnetic Society (ACES)

# President's Message



Greetings from Golden Colorado, USA.

As promised in my March message, 2018 will be a very active year for ACES. This past March, the first 2018 ACES conference was held in Denver, Colorado, USA. It was a great success and its proceedings are already published on IEEE Xplore. Some highlights of the conference are given below in the newsletter. This includes the ACES Board of Director's (BoD) elevation of four ACES members to Fellow, and the names of the winners of ACES 2018 awards. Later this summer, also as described below, the second 2018 ACES conference will be held in Beijing, China (July 29 – August 1, 2018) where we are promised excellent technical and social programs.

Looking forward, ACES 2019 will be held at the Hilton Miami, in downtown Miami, Florida, USA (April 14-18, 2019). A call for papers is posted on the ACES website. The conference General Chairs are John Volakis and Osama Mohammed of Florida International University. Also, I am glad to announce that the ACES BoD approved holding ACES 2020 in Monterey, California, USA. Further details will be forthcoming in future newsletters.

Finally, as ACES member, I urge you to participate in the society activities. This includes attending and contributing to ACES conferences, getting involved in ACES BoD elections, as well as contributing to ACES Journal, and actively participating in the journal paper review process.

In closing, I wish you a good and enjoyable summer, if you are living in the northern hemisphere, and a safe and productive winter, otherwise. As always, I am looking forward to seeing you at future ACES conferences.

**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 Colorado](#)

[New Elevated ACES  
FELLOWS](#)

[ACES Conference in Beijing](#)

[ACES Journal and Express  
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 Colorado](#)

The 2018 International Applied Computational Electromagnetics Society Symposium, ACES2018, was held from March 25-29, 2018, in Denver, Colorado, USA, the *Mile High City*. The [Technical Program](#) was outstanding, thanks to our session organizers and authors coming from all around the world. We had 234 registered conference attendees, 264 excellent papers, and as many as 55 organized sessions, running in 4 or 5 parallel sessions over 4 days. We had 6 very entertaining and engaging Plenary Speakers that provided unique perspectives on some of the most interesting and relevant topics for the community, as well as 5 free tutorials. The [Social Program](#) was exceptional as well, including welcome reception and awards banquet both with live entertainment, meals during all conference days, nightly evening receptions, and ACES Private Tour of Rocky Mountain National Park. Our Platinum, Gold, Silver, and Associate Sponsors also made a big difference for the conference. Overall, ACES2018 Denver was a great success and a truly memorable experience for all its participants.

### **Students/Papers that won the best student paper awards:**

1) A Space-time Domain Decomposition Method for High-fidelity EM Simulations

*Student Author: Shu Wang*

Coauthor: Zhen Peng

2) Surface Integral Computation for Higher Order Surface Integral Equation Method of Moments

*Student Author: Sanja B. Manic*

Coauthor: Branislav M. Notaros

3) A Volume Integral Equation Solver for Quantum Corrected Transient Analysis of Scattering from Plasmonic Nanostructures

*Student Author: Sadeed B. Sayeed*

Coauthors: Ismail E. Uysal, H. A. Ulku, and H. Bagci

### **ACES Awards (4 awards given annually)**

#### **ACES Meritorious Service Award**

*Osama Mohammed* (Florida International University): In recognition of exceptional service to the ACES Society for over a decade, particularly as Treasurer and Conference Committee Chair.

#### **ACES Early Career Award**

*Shisong Li* (International Bureau of Weight and Measurements): For the development of an electromagnetic theory for evaluating the nonlinear magnetic errors in Kibble balances.

#### **ACES Technical Achievement Award**

*Larry K. Warne* (Sandia National Laboratories): For pioneering contribution to the procedure for electrical cable testing by pulse-arrested spark discharge.

#### **ACES Computational Electromagnetics Award**

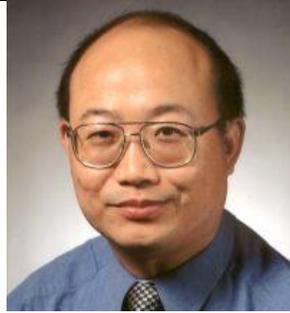
*Qing Huo Liu* (Department of Electrical and Computer Engineering, Duke University): For pioneering contributions to the Pseudospectral Time Domain (PSTD) method in CEM and for the development of subsequent applications.

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## New Elevated ACES FELLOWS



**Yasushi Kanai**  
Niigata Institute of  
Technology



**Jiming Song**  
Iowa State University



**Fan Yang**  
Tsinghua University



**Wenhua Yu**  
Jiangsu Normal  
University

## ACES Conference in Beijing

The 2018 ACES-China conference will be held in Beijing, China (July 29 - Aug. 1). Prof. Dongling Su of the Beihang University, China will chair the conference. It consists of plenary talks, technical presentations, tutorials and workshops, which are of general interests to ACES members. There is a student paper competition and a student modeling contest to encourage younger generations. The Technical Excellence Award and Young Scientist Award will also be announced at the conference. An exciting technical and social program is waiting for you!

We are honored to invite eight outstanding keynote speakers to deliver unique and interesting topics to the community:

Agostino Monorchio, University of Pisa, Italy  
Baoyan Duan, Xidian University, China  
Douglas Werner, Penn State University, USA  
Guoyu He, Beihang University, China  
Quan Yu, System Engineering College, China  
Qinghuo Liu, Duke University, USA  
Zhizhang Chen, Dalhousie University, Canada  
Ulrich Jakobus, Altair Inc., Germany

More information on ACES 2018 conferences can be found on the following conference pages:

[2018 ACES-China](#)

## ACES Journal and Express Journal

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 April issue](#)

[Direct link to the May issue](#)

[Direct link to the June 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.

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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*

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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