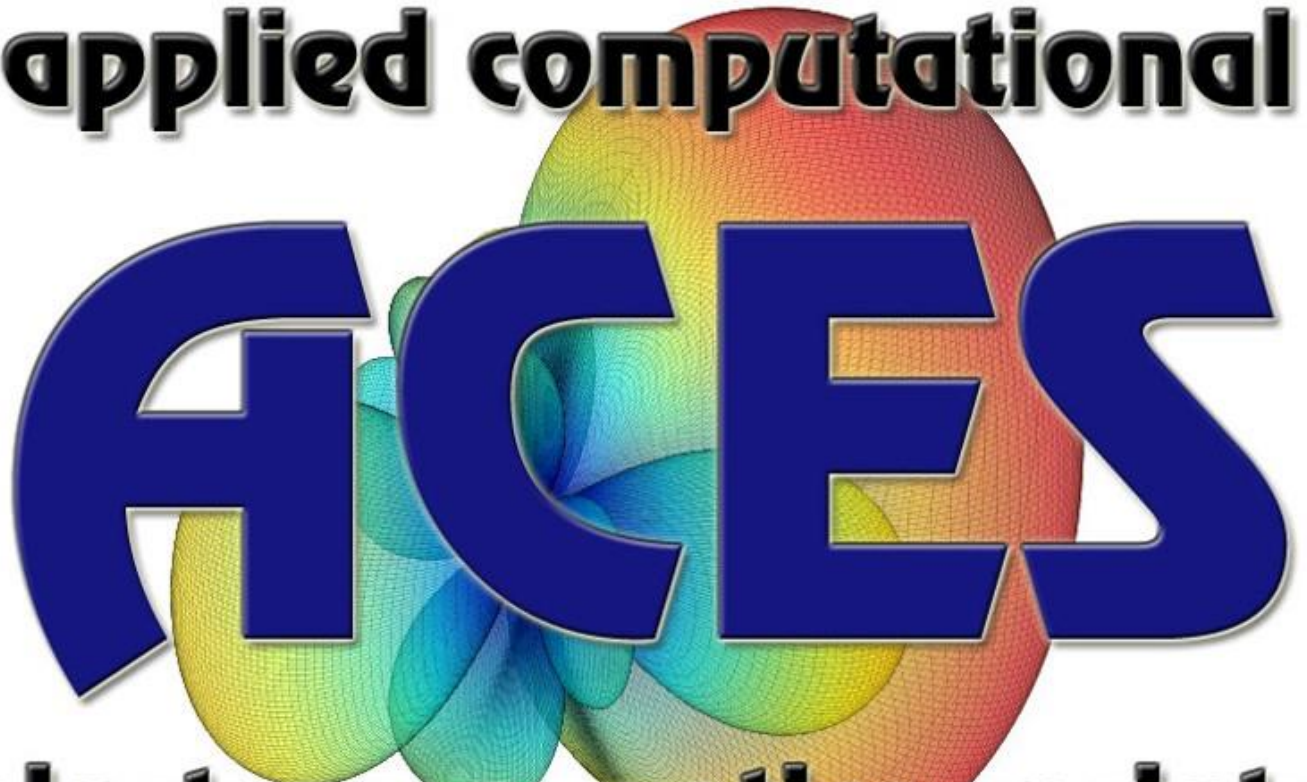


**applied computational**



**ACES**

**electromagnetics society**

**Newsletter**

**March 2018**

Applied Computational Electromagnetic Society (ACES)

# President's Message



Greetings from Golden Colorado, USA.

As I noted in my earlier message, 2018 is full of ACES activities. This month the first 2018 ACES conference will be held in Denver Colorado, USA (March 25-29). Branislav Notaros of the Colorado State University, USA Chairs the conference. It includes invited plenary and regular technical presentations, software tutorials, a vendor exhibition, and short courses. The presentations will address general issues in applied computational electromagnetics or focus on specific applications, techniques, codes, and computational issues of potential interest to ACES members. In addition, distinguished researchers will be delivering keynote speeches on technology trends and significant advances in relevant topics. Full details are given in the technical program posted at ACES website.

Later this Summer, the second 2018 ACES conference will be held in Beijing, China (July 29 – August 1) and it is Co-Chaired by Dongling Su of the Beihang University, China and Fan Yang of the Tsinghua University, China. Again, we promise excellent technical and social programs.

In closing, I am looking forward to seeing you at either or both 2018 ACES conferences.

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

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## Become ACES Member

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

### Membership:

Basic: \$40/year

Student/Retired: \$25/year

Life: \$400/year

### Institutional Membership:

Basic (US): \$360/year

Basic (Intl): \$540/year

Expanded (US): \$535/year

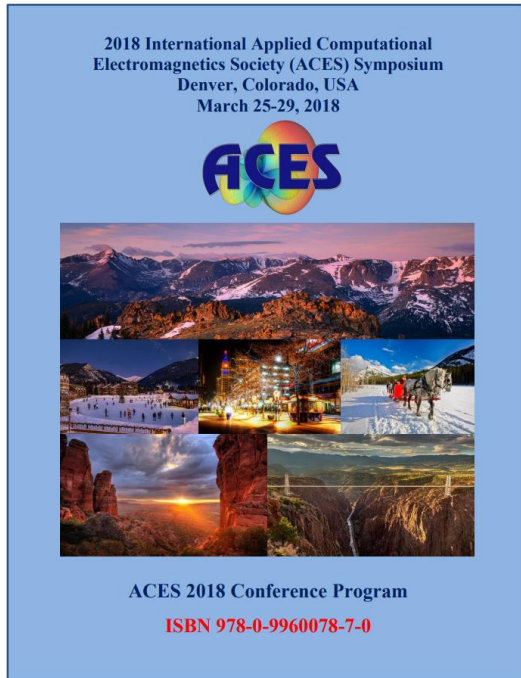
Expanded (Intl): \$715/year

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

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# ACES Conference in Colorado



## **ACES 2018 Conference in figures**

We have a program composed by 280 excellent peer-reviewed papers and the conference attendees come from all around the world, reaffirming time and again high technical standards and truly an international spirit of ACES Conferences. We have prepared a highly illuminating and relevant technical program organized in four or five parallel sessions over four days. Our conference features nearly 40 organized sessions, with our session organizers having done a phenomenal job in proposing a diverse set of interesting sessions and recruiting high quality papers and authors. In addition to organized and regular sessions, as well as five free tutorials, we have lined up six outstanding plenary speakers that will provide unique perspectives on some of the most interesting and relevant topics for the community.

## **Plenary Speakers**

John L. Volakis, Florida International University (USA)  
Andrew Peterson, Georgia Institute of Technology (USA)  
Zoya Popovic, University of Colorado (USA)  
James C. Rautio, Sonnet Software, Inc. (USA)  
Oliver J. F. Martin, Swiss Federal Institute of Technology (Switzerland)  
Rodolfo Araneo, University of Rome (Italy)

## **Tutorials**

“Time-Domain Integral Equation Methods for the Solution of Maxwell’s Equations” Daniel S. Weile  
“Using VSim and High-Performance Computing to Determine Far-field Radiation Patterns” Tech-X Corporation  
“Low Rank Matrix Algebra for MOM” John Shaeffer  
“AI & EM for the Characterization and Design Optimization of Efficient and Renewable Energy Conversion Systems” Abd A. Arkadan  
“Reflectarray Antennas: Theory, Designs, and Applications” Payam Nayeri and Atef Elsherbeni  
“Practical Implementation of Regularization Techniques for Rigorous Near-field Computations” Alireza Baghai-Wadji

## Travel and Hotel Reservation

The conference will take place at “[Embassy Suites by Hilton, Denver Tech Center, Colorado, USA](#)”; the info about accommodation and travel can be found at this [link](#).

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### About Denver

Denver, the capital of Colorado, is an American metropolis dating to the Old West era. Larimer Square, the city's oldest block, features landmark 19th-century buildings. Museums include the Denver Art Museum, an ultramodern complex known for its collection of indigenous works, and the mansion of famed Titanic survivor Molly Brown. Denver is also a jumping-off point for ski resorts in the nearby Rocky Mountains. The coin-producing Denver Mint is open to the public, and the 1894 State Capitol Building also offers tours. The Botanic Gardens hosts summer concerts, and the Museum of Nature and Science has exhibits on anthropology, geology, space and zoology. The Clyfford Still Museum showcases works by the namesake Abstract Expressionist. Many saloons once thrived in the "Mile High City," and their influence is evident in the microbreweries, sports bars and live-music venues that make up Denver's nightlife scene. Coors Field hosts Colorado Rockies baseball games, and pro football's Broncos play at Sports Authority Field.

## [ACES 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 January 2018 Issue](#)

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## [Upcoming ACES Conferences](#)

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

[2018 ACES-China](#)

After the ACES Conference in Denver, the dates and location of the ACES conferences in 2019 will be published on the website.

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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 the 2018 Conferences. We look forward to your feedback and involvement in ACES activities.

Sincerely,

**Sami Barmada**

*Editor - ACES Newsletter*