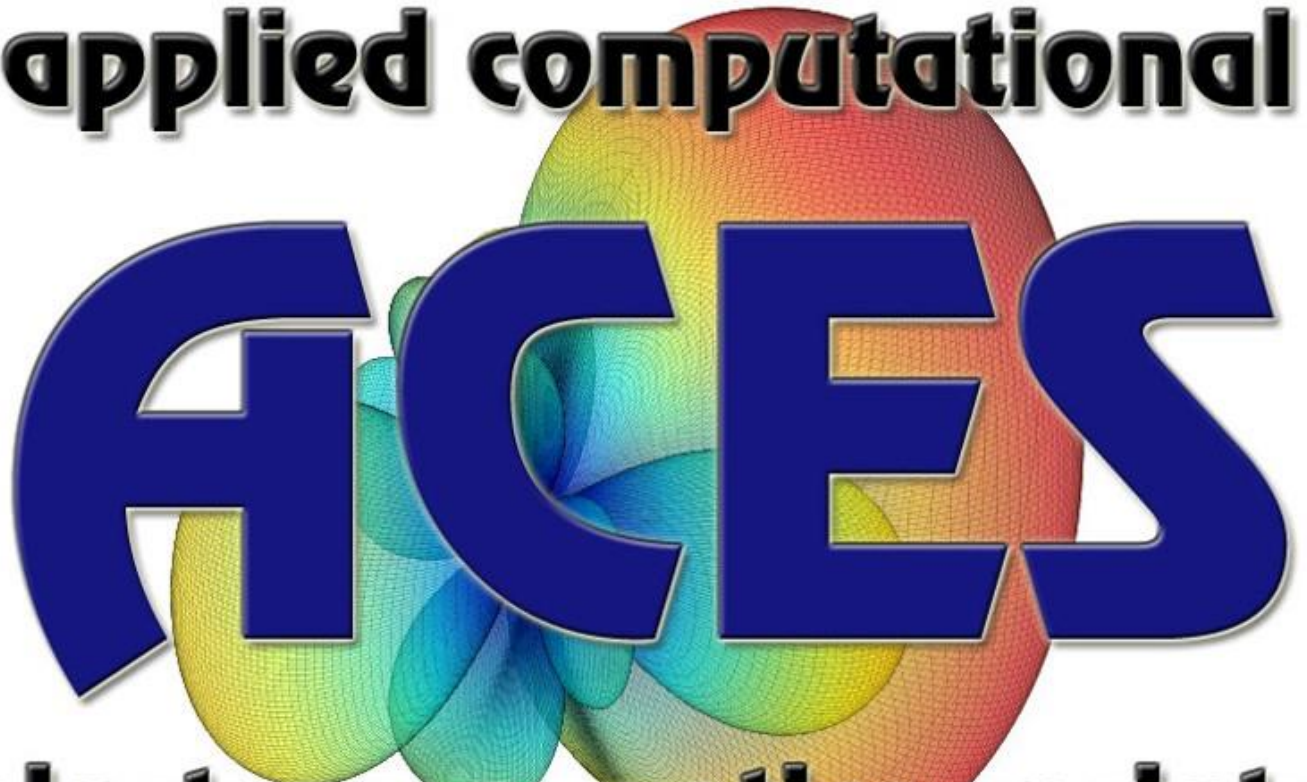


applied computational



ACES

electromagnetics society

Newsletter

September 2017

Applied Computational Electromagnetic Society (ACES)

President's Message



Greetings from Golden, Colorado, USA and welcome to our well-established but newly re-launched newsletter.

I would like to start by thanking ACES Board of Directors for electing me as ACES President for the 2017-2019 term of office. I would like to thank as well our Past President, Sami Barmada, for his dedication and contributions to the progress of ACES.

Looking forward, I am very excited to be working with the current ACES Officers, Board of Directors and Committee Chairs:

Officers:

Abd Arkadan, **President**
Ulrich Jakobus, **Vice President**
Branislav Notaros, **Secretary**
Sami Barmada, **Past President**
Osama Mohammed, **Treasurer**

Board of Directors:

(2015 – 2018)

C.J. Reddy
Jian-Ming Jin
Khaled ElMahgoub

(2016 – 2019)

Daniel S. Weile
Branislav Notaros
William O'Keefe Coburn

(2017 – 2020)

Steven Weiss
Abbas Omar
Sima Noghianian

Committee Chairs:

Finance – Andy Peterson
Publications – Atef Elsherbeni
Conference – Osama Mohammed
Awards – Sami Barmada
ACES Fellows Committee – Amir Zaghloul
Industry Relations – C.J. Reddy
Journal Editor in Chief – Atef Elsherbeni
Newsletter Editor in Chief – Sami Barmada
Nominations and Elections – William O'Keefe Coburn
Membership and Communications – Sami Barmada
Ethics and Publication Conduct – Amir Zaghloul
Constitution and Bylaws – Steven Weiss
Standards and Validation – William O'Keefe Coburn
Express Journal Editor in Chief – Ozlem Kilic
China Branch Chair – Wenhua Yu
ACES Webmaster – Matthew Inman

In This Issue

[President's Message](#)

[ACES Journal](#)

[Upcoming ACES Conferences](#)

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



In terms of ACES recent activities, ACES already held two successful conferences. The first was held in **Florence, Italy (March 2017)** and the second was held in **Suzhou, China (August 2017)**. In addition, the ACES China Branch was established in 2017 and it is chaired by Wenhua Yu. Also, its offices were inaugurated this August in Beijing, China. As for 2018, two ACES conferences are planned. The first to be held in **Denver Colorado, USA (March 24-29, 2018)** and it is chaired by Branislav Notaros of the Colorado State University, USA. The second to be held in **Beijing, China (August 7-10, 2018)** and it is chaired by Dongling Su of the Beihang University, China and co-chaired by Fan Yang of the Tsinghua University, China.

ACES primary purpose is to provide a forum for issues relevant to numerical modeling in applied electromagnetics and its primary focus is on computational techniques, electromagnetics modeling software, and EM applications. Also, as any professional society, ACES strength rests on its members. While ACES is a well-established, well-positioned and financially strong organization, the total society membership has not grown much in recent years. *Accordingly, it will be a priority during my term as president to increase the society membership and preserve the quality of its conferences, its publications, and improve its journals review cycle.*

In closing, I would like to invite all of you to make plans to attend ACES 2018 conferences in Denver, CO, USA and Beijing, China. See you in Denver!

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

[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](#).

[Read the Latest Issue \(September 2017\)](#)

1. Broadband Dual-Use Array with Planar Log Periodic Dipole Elements
2. Study, Design and Fabrication of a CPW Fed Compact Monopole Antenna with Circular Polarization for Ultra Wide Band Systems Application
3. Modal Analysis of Wave Propagation in Straight and Curved Arched Tunnel Based on Equivalent Rectangular Tunnel Model
4. Improper Integrals Calculations for Fourier Boundary Element Method
5. Towards Wideband Hyperthermia Treatment System
6. Parallel Higher-Order Method of Moments with Efficient Out-of-GPU Memory Schemes for Solving Electromagnetic Problems
7. Circularly Polarized Aperture Coupled Zeroth Order Resonance Antenna for mm-Wave Applications
8. An Improved Design of Equal-Split Filtering Divider with Integrated Coupled-Line Band-Pass Filter
9. High Selectivity Dual-band Bandpass Filters Using Dual-mode Resonators
10. Optimization of Wireless Power Transmission Systems with Parasitic Wires
11. Low-profile Hybrid-mode Antenna Providing Near-hemispherical Field-of-view Coverage
12. A Comparative Study of Opposition-Based Differential Evolution and Meta-Particle Swarm Optimization on Reconstruction of Three Dimensional Conducting Scatterers

13. 3-D Defect Profile Reconstruction from Magnetic Flux Leakage Signals in Pipeline Inspection Using a Hybrid Inversion Method
14. Optimal Design of Elliptical Array Antenna Using Opposition Based Differential Evolution Technique
15. On the Theoretical Analysis of Radiation Pattern and Gain of Printed Monopole Antenna

Upcoming ACES Conferences

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

[2018 ACES Denver](#)

[2018 ACES-China](#)

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