

Having trouble viewing this email? [Click here](#)



# applied computational **ACES** electromagnetics society

## Newsletter

December 2015

Applied Computational Electromagnetic Society (ACES)

### President's Message



Greetings from Pisa, Italy!

Year 2016 is almost here and we leave behind a 2015 which has been extremely active for all of us involved in the ACES Society. We had a great conference in Williamsburg in March, ACES Journal is doing great with many high quality submitted papers and with issues being released on schedule, and the first issue of our ACES Express Journal will be out very soon, thanks to the effort of all the Editorial Board.

This fall saw all of us extremely busy working on the

### In This Issue

[President's Message](#)

[ICWITS/ACES 2016](#)

[Election of ACES Board of Directors](#)

[ACES Express Journal](#)

[ACES Journal](#)

### Become ACES Member

ACES membership offers many advantages

forthcoming ICWITS/ACES Conference (in wonderful Hawaii!!), which will likely become a great event: all the details about the conference are in the following parts of this newsletter.

The Board of Directors, together with the ACES Fellows Committee and the ACES Awards Committee, is finalizing the selection of the recipients of the ACES Fellow grade and of the several ACES Awards. All of them will be announced during the banquet at the ICWITS/ACES Conference.

2016 will be another great year for ACES; besides the above mentioned conference, we are focusing on the following: keep increasing our Journal quality, ACES will be technical sponsor of important conferences, and ACES Conference 2017 in another great location will be announced.

I truly think that these are sufficient reasons to keep being connected to the society: you are all invited to check our activity on the [ACES official website](#) or on the [ACES LinkedIn group page](#), and we hope that those of you that are not members will discover the many advantages you will have joining the society.

On behalf of the members of the Executive Committee, of the Board of Directors and of the Committees' Chairs, I wish you all best wishes for the forthcoming holiday season and for a prosperous new year.

### **Sami Barmada**

*President - ACES*

The University of Pisa, Italy

### **ICWITS/ACES 2016**

ACES 2016 will be held jointly with the IEEE International Conference on Wireless Technology and Systems (ICWITS) in Honolulu, Hawaii during March 13-17, 2016. The joint conference will be organized by Prof. Magdy F. Iskander, University of Hawaii at Manoa.

<b>General Chair:</b>	Magdy F. Iskander
<b>ACES Co-Chair:</b>	Atef Elsherbini
<b>IEEE-APS Co-Chair:</b>	Michael Jensen
<b>Technical Program Chairs:</b>	Zhengqing Yun Sami Barmada

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](#).





### Technical Activities:

2016 ICWITS/ACES Conference Paper Submission Remains Open and submission of papers is encouraged. Plan to submit your papers at the conference [submission page](#).

### Plenary Speakers:

A great set of Plenary speeches by world renowned experts are being planned. Plenary talks include:

- **Prof. Yahya Rahmat-Samii:** *Two Recent Grand Challenges in Engineering: (i) Bio-Telemetry in Modern Healthcare Systems and (ii) Nanostructures for Solar Cell Energy Absorption Enhancement*
- **Edmund Miller:** *Using Model-Based Parameter Estimation to Increase the Efficiency and Effectiveness of Computational Electromagnetics*
- **Prof. Ronald Marhefka:** *NEC-BSC Past, Present and Future*
- **Dr. Mahbub Hoque:** *Antenna Array Technologies and Applications in Directional Communications Networks*
- **Prof. Wolfgang Hoefer:** *Time Reversal - A Frontier in Electromagnetic Field Synthesis*
- **Dr. Jun Fan:** *Application of Computational Electromagnetics in High Speed Designs*

### Special Sessions:

Apart from the regular technical sessions, many excellent special sessions are being organized. Following is a list of special sessions at 2016 ICWITS/ACES Conference:

- Uninterrupted Communication Through Tactical Network (Dr. Mahbub Hoque)
- Computational Electromagnetic Modeling in EMC Applications (Dr. Jun Fan and Dr. James Drewniak)
- Integral Equation Techniques & Applications (Dr. Ulrich Jakobus)
- EM Modeling Using FEKO (Dr. C. J. Reddy)
- Vital Sign Detection (Dr. Ozlem Kilic and Dr. Aly Fathy)

- Low Frequency Electromagnetics (Dr. Osama Mohammed)
- Wireless Power Transfer (Dr. Shishir Punjala)
- EM Modeling for Automotive Applications (Dr. Khaled ElMahgoub)
- Metamaterials Applications in RF Circuits (Dr. Mondher Labidi)
- Radio Frequency Signals in Energy Harvesting Applications (Dr. Abdullah Eroglu)
- EM Simulations Using Sonnet (Dr. Taha Imeci)

**Tutorials:**

Following Tutorials are offered during the conference:

- Lens Antennas: From Basics to Latest Trends
- Low-Complexity Direct Solvers
- Inverse Affine Transformation for Sensing Vector of Motion of a Magnetic Field
- A New Approach to Solving Electrically Large Complex Electromagnetic Scattering Problems
- Effective Antenna Design Process with Design of Experiments
- Incorporating Photonic Crystals in Electromagnetic Devices Designed by Using Coordinate Transformation Techniques

Vendor tutorials are also being planned.

Regular and vendor tutorials are open to all registered attendees and are available at no additional cost).

**Student Paper Competition:**

The Student Paper Competition Committee selects the top ten (10) student papers submitted for presentation at a Special Student Papers Session. The top five (5) Student Papers presented at this Special Session will be announced at the Symposium Banquet. The first, second, third, fourth, and fifth place winners will be awarded cash prizes of \$500, \$400, \$300, \$200, and \$100, respectively.

Students who wish to participate in this competition should submit the paper both to the student paper competition session and to a regular session.

**Sponsors & Exhibitors:**

ICWITS/ACES 2016 is soliciting Sponsors and Exhibitors for the conference. Over the past years, this conference attracted attendees from industry and academia from all over the world. and we are confident that you will find the technical program format, with multiple plenary speakers, invited Distinguished Lecturers, and corporate organized sessions, as well as the especially designed exhibit area to maximize connectivity to be both professionally and technically stimulating and enjoyable. More information on sponsorship and exhibitor opportunities are available [here](#).

**Current Sponsors:**

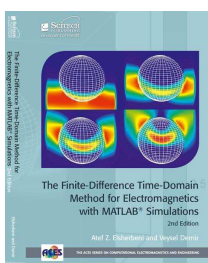
Platinum



Technical Sponsor



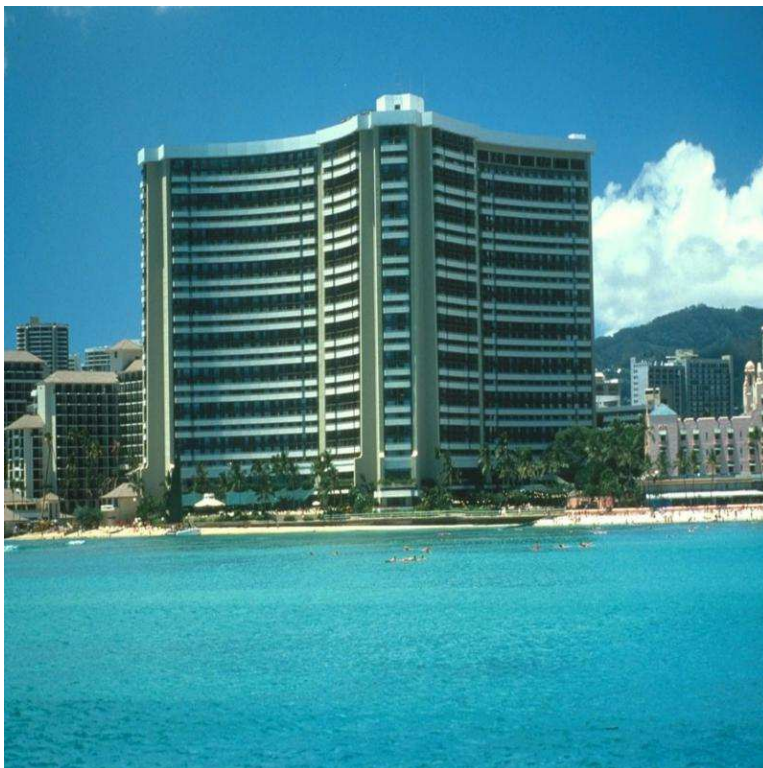
### Books:



The second edition of popular book - The Finite-Difference Time-Domain Method For Electromagnetics with MATLAB Simulations releases at the end of February. This is one of the books being published as part of ACES Series on Computational Electromagnetics and Engineering (CEME). Limited quantities will be available for purchase at a discounted rate during the conference. Author of the book, Prof. Atef Elsherbeni, will sign the book personally if purchased during the conference. The book can be [pre-ordered](#) now at 30% discount using the offer code PREFD2.

### Venue:

The 2016 Conference will be held at [Sheraton Waikiki Hotel and Resort](#), Honolulu, Hawaii, USA.



To make hotel reservation with the reduced negotiated rate:

Call the in house group reservation desk at 808-921-4611 and mention the IEEE-ACES or group code IC12AA

or

Submit a request via email to:  
Grp377.waikiki@starwoodhotels.com and mention the IEEE-ACES or group code IC12AA.

We are looking forward to welcoming you in Hawaii!!

### [Online Voting Now Open for New Members for ACES Board of Directors](#)

On-line voting for the new members for the ACES Board of Directors for the period of 2016-2019 is now open and can be found [here](#). Voting will be open from December 13, 2015 to January 31, 2016. Active membership in ACES at the time of voting is required to vote. Elected members of the Board will be invited to the Board of Directors meeting at the 2016 Conference in Honolulu, Hawaii.

### [ACES Express Journal](#)

ACES Express Journal has started accepting submissions since April, and is being launched with three special issues. Publication fees for papers accepted in these special issues will be waived. The deadline for submission for the special issues is December 31, 2015.

- Special Issue of the ACES Express Journal on:  
***Advanced FDTD Methods***
- Special Issue of the ACES Express Journal on:

## **Computational Electromagnetics and Measurements**

- Special Issue of the ACES Express Journal on: **GPU Computing in Electromagnetics**

Starting in January 2016, papers accepted for ACES Express Journal will be published online in the order they are accepted.

The ACES Express Journal Editor, Dr. Ozlem Kilic, can be reached at [kilic@cua.edu](mailto:kilic@cua.edu) for questions about the journal. Submissions can be made at ACES web-site: [aces-society.org](http://aces-society.org) by choosing Express Journal menu.

### **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. ACES members can access all issues of ACES Journal [online](#).

[Read the Latest Issue \(December 2015\)](#)

ACES is looking forward to your contributions to the ACES Journal and the Express Journal as well as your participation in the 2016 Conference. We look forward to your feedback and involvement in ACES activities.

Sincerely,

**C.J. Reddy**  
**Kubilay Sertel**  
**Khaled EIMahgoub**  
*Editors - ACES Newsletter*

Applied Computational Electromagnetic Society | [newsletter@aces-society.org](mailto:newsletter@aces-society.org) | <http://aces-society.org/>  
310D Brown Building  
1610 Illinois Street  
Golden, CO 80401

Copyright © 2015. All Rights Reserved.

### **Forward this email**



This email was sent to [cjreddy@altair.com](mailto:cjreddy@altair.com) by [newsletter@aces-society.org](mailto:newsletter@aces-society.org) | [Update Profile/Email Address](#) | Rapid removal with [SafeUnsubscribe™](#) | [About our service provider](#).



Applied Computational Electromagnetic Society | 310D Brown Building | 1610 Illinois Street | Golden | CO | 80401