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applied computational **ACES** electromagnetics society

Newsletter

March 2015

(Updated)

Applied Computational Electromagnetic Society (ACES)

President's Message



Greetings from Golden, Colorado !

Winter in the US has been difficult with various winter storms on the east coast. It also has been a very busy and productive winter for ACES activities.

Arrangements for ACES 2015 conference in Williamsburg are in the last stretch of the sprint. Technical program is already announced with key note speaker, plenary talks, tutorials and

In This Issue

[President's Message](#)

[ACES 2015](#)

[ACES Journal](#)

Quick Links

[ACES](#)

[ACES 2015](#)

[ACES Journal](#)

excellent technical papers. If you have not already made your travel plans, please do so right now. Discounted hotel rooms at ACES group rate are still available.

Hope to see you all in Williamsburg, Virginia later this month.

I am also pleased to announce that we are caught up with the back log of papers for ACES Journal and now December issue is available for all ACES members. January and February issues will be available soon.

I invite you to submit your contributions ACES journal and participate in the growing activities of the ACES society.

[Atef Elsherbeni](#)

President - ACES

Dobelman Distinguished Chair and Professor
Electrical Engineering and Computer Science Department
Colorado School of Mines

Become ACES Member

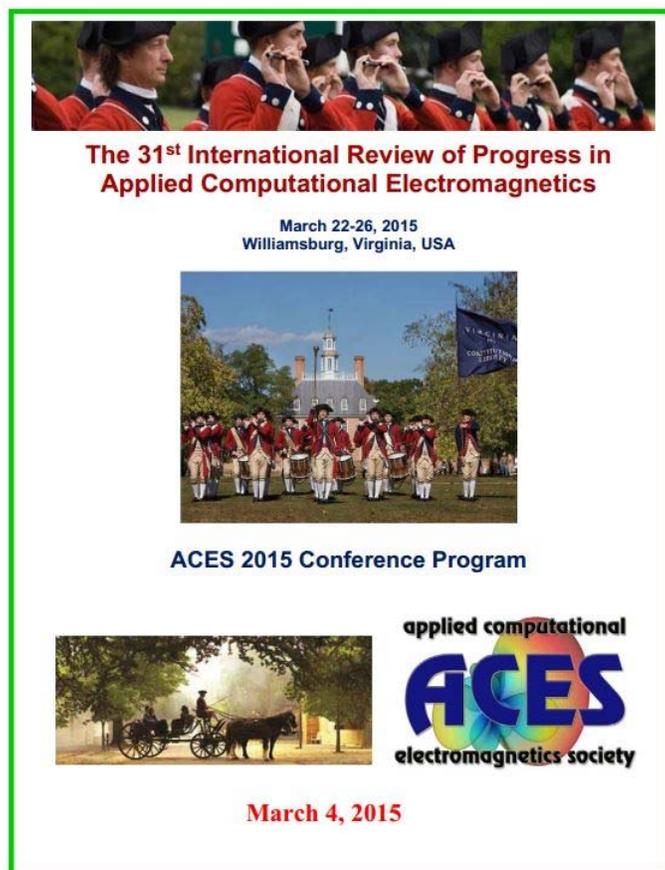
ACES membership offers many advantages that include access to ACES journal and discounted registration fees for ACES conferences.

Member: \$40/year
Student/Retired Member: \$25/year
Life Member: \$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](#).

ACES 2015

The 31st International Review of Progress in Applied Computational Electromagnetics (ACES 2015) will be held in Williamsburg, Virginia from March 22nd to 26th, 2015.



The poster for the ACES 2015 Conference Program features a green border and contains the following elements:

- Top Image:** A group of people in red and white uniforms, possibly a marching band or a historical reenactment group.
- Title:** **The 31st International Review of Progress in Applied Computational Electromagnetics**
- Dates and Location:** **March 22-26, 2015**
Williamsburg, Virginia, USA
- Middle Image:** A group of people in red and white uniforms marching in front of a large, white, classical-style building.
- Text:** **ACES 2015 Conference Program**
- Bottom Left Image:** A historical scene with a horse-drawn carriage and people.
- Bottom Right Logo:** The logo for the **applied computational ACES electromagnetics society**, featuring the acronym "ACES" in large, colorful letters.
- Date:** **March 4, 2015**

[Technical Program](#) is available at ACES 2015 website.

Highlights of Technical Activities @ ACES 2015

Keynote Speaker: Dr. Uwe Schramm, Chief Technical Officer

of Altair.

[Plenary Speakers:](#)

Dr. Mohbub Hoque, CERDEC, The US Army
Prof. Magdy Iskander, University of Hawaii at Manoa
Prof. Manos Tentzeris, Georgia Tech
Prof. Dejan Filipovic, University of Colorado Boulder
Prof. Randy Haupt, Colorado School of Mines
Prof. Alireza Baghai-Wadji, University of Cape Town

Tutorials:

Following tutorials are offered during the conference. Abstracts of tutorials are available [here](#).

- Recent Developments and Trends in Metamaterials - Douglas H. Werner, Penn State University
- Error Estimation in MoM and FEM for Extrapolation and Error Bars - Andrew F. Peterson, Georgia Institute of Technology
- Reflectarray Antennas: Theory, Designs, and Applications - Payam Nayeri, Colorado School of Mines
- Time-Domain Integral Equation Methods for the Solution of Maxwell's Equations - Daniel S. Weile, University of Delaware
- From FETD to DGTD for Computational Electromagnetics - Jian-Ming Jin, University of Illinois at Urbana-Champaign
- Antenna Design using Characteristic Mode Analysis - M.H. Vogel, Altair Engineering, Inc.
- Field and Potential-Based Techniques in Complex Media Electromagnetics - Michael Havrilla, Air Force Institute of Technology
- Computational Modeling of Electromagnetic Pulse Simulators - Shahid Ahmed, Thomas Jefferson National Accelerator Facility
- Quantum Operator Gymnastics in Computational Electromagnetics: An Introduction - Alireza BAGHAI-WADJI, University of Cape Town
- Quantum Operator Gymnastics in Computational Electromagnetics: Advanced Topics - Alireza BAGHAI-WADJI, University of Cape Town
- RFID and Internet of Things - Khaled EIMahgoub, Auto-ID Labs, Massachusetts Institute of Technology
- UTD Ray and Beam Methods for Analysis of Large EM Wave Problems - Prabhakar Pathak, The Ohio State University

Vendor Tutorial:

- Advanced Electromagnetic Solution Techniques in FEKO - Altair Engineering, Inc.

- Using Measurements as Field Sources in Computational Electromagnetics - Microwave Vision Group
- Hybrid Simulation Technology for Electrically Large Antenna System Design - Ansys

Regular and vendor tutorials are free for all registered attendees of ACES 2015 conference.

Travel:

Hotels:



Williamsburg Lodge will be the venue for ACES 2015 conference. A short walk from [Colonial Williamsburg's](#) Historic Area the Williamsburg Lodge is a well known Colonial Williamsburg landmark.

Room reservations at ACES group rate can be made at Williamsburg Lodge (\$135/night) and also at Williamsburg Woodlands Hotels and Suites (\$89/night).

Online Reservations can be made [here](#).

Airports:

[Newport News-Williamsburg \(PHF\)](#)

[Norfolk International Airport \(ORF\)](#)

[Richmond International Airport \(RIC\)](#)

Ground Transportation:

Rental Cars: All major rental car companies are located in three airports (PHF, RIC and ORF) Taxi service is available from all three airports.

Other available ground transportation with advance reservations includes:

[Tidewater Coach](#)

[James River Transportation](#)

[Marrow Transit](#)

[Williamsburg, Virginia](#)

Williamsburg was the thriving colonial capital of Virginia. From 1699 to 1780, Williamsburg was the political, cultural, and



educational center of what was then the largest, most populous, and most influential of the American colonies. Near the end of the Revolutionary War and through the influence of Thomas Jefferson, the seat of government of Virginia was moved up the peninsula to the safer and more centrally located city of Richmond. For nearly a century and a half afterward, Williamsburg was a simple, quiet college town, home of the College of William and Mary.

Discounted Historic Area Ticket for any guests staying at any of the hotels as part of a conference are available. The ticket is \$20.00 and is good from day of arrival through day of departure. The ticket grants access to all Colonial Williamsburg exhibition sites, art museums, and most day-time programs. The ticket also includes access to the short movie Williamsburg-The Story of a Patriot shown in specially designed theaters at the Visitor Center. Tickets can be purchased at the discounted rate at the ticket window located in the Lobby of the Williamsburg Lodge or at the Visitor Center.

[Colonial Williamsburg Explorer](#) - With this interactive map, a daily events calendar, and turn-by-turn directions, the Colonial Williamsburg Explorer (available at [Apple Store](#) and [Google Play](#)) will help you find everything you need to make the most of your visit. Locate historic buildings, shopping, dining,

Washington DC Tour:

A one day tour of Washington DC is being organized by [Tidewater Touring, Inc.](#) on Friday, March 27, 2015. If you are interested in the tour, contact Tidewater Touring, Inc at tidetour@aol.com or call 757-872-0897.

Sponsors & Exhibitors:

ACES 2015 is soliciting sponsors and exhibitors for our 2015 event. ACES has grown to nearly 600 members from over 30 countries. Our conference is usually comprised of technical sessions, short courses, vendor workshops, interactive poster sessions and computer software demonstrations, and vendor exhibits. You will find the format of our exhibit show especially designed to maximize your connectivity and minimize your costs. More information on sponsorship and exhibitor opportunities are available [here](#).

Current Sponsors:

Platinum



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Books:

During the conference, SciTech Publishing will be promoting the book - [Antennas Analysis and Design Using FEKO Electromagnetic Simulation Software](#), one of the two books published as part of ACES Series on Computational Electromagnetics and Engineering (CEME). Authors, Prof. Atef Elsherbeni, Dr. Payam Nayeri and Dr. C.J. Reddy will be signing the books purchased at ACES 2015. SciTech will be selling the books at an on-site special 20% discounted rate.

[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 [on-line](#).

[Read the latest Issue \(December 2014\)](#)

ACES is looking forward to your contributions to the ACES Journal as well as your participation in the ACES 2015 Conference. We look forward to your feedback and involvement in ACES activities.

Sincerely,

Kubilay Sertel

C.J. Reddy

Editors - ACES Newsletter

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