

THE APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY

1997

CALL FOR PAPERS

1997

The 13th Annual Review of Progress
in Applied Computational Electromagnetics
March 17-21, 1997

Naval Postgraduate School, Monterey, California

“Share Your Knowledge And Expertise With Your Colleagues”

The annual ACES Symposium is an ideal opportunity to participate in a large gathering of electromagnetic analysis enthusiasts. The purpose of the Symposium is to bring analysts together to share information and experience about the practical application of EM analysis using computational methods. The Symposium offerings include technical presentations, demonstrations, vendor booths and short courses. All aspects of EM computational analysis are represented. Contact Eric Michielssen for details.

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Papers may address general issues in applied computational electromagnetics or address specific applications, techniques, codes, or computational issues of potential interest to the ACES membership. Areas and topics include:

- Code validation
- Code performance analysis
- Computational studies of basic physics
- Partial list of applications:
 - Examples of practical code application
 - New codes, algorithms, code enhancements, and code fixes
 - Computer hardware issues

antennas and arrays	eddy currents	microwave components	radar cross section
bioelectromagnetics	EMP, EMI/EMC	MIMIC technology	remote sensing & geophysics
communications systems	fiber optics	non-destructive evaluation	visualization
dielectric & magnetic materials	inverse scattering	propagation through plasmas	wave propagation

- Partial list of techniques:

finite difference & finite element analysis	diffraction theories	perturbation methods
frequency-domain & time-domain techniques	hybrid methods	physical optics
integral equation & differential equation techniques	modal expansions	wavelet and multipole techniques

INSTRUCTIONS FOR AUTHORS AND TIMETABLE

For both the summary and final paper, please supply the following data for the principal author: name, address, Email address, FAX, and phone numbers for both work and home.

October 25, 1996: Submission deadline. Submit four copies of a 300-500 word summary to the Technical Program Chairman.

November 25, 1996: Authors notified of acceptance.

January 10, 1997: Submission deadline for camera-ready copy. The recommended paper length is 6 pages, with 8 pages as a maximum, including figures.

The registration fee per person for the ACES Symposium will be approximately \$235. The exact fee will be announced later.

SHORT COURSES

Short courses will be offered in conjunction with the Symposium covering numerical techniques, computational methods, surveys of EM analysis and code usage instruction. It is anticipated that short courses will be conducted principally on Monday, March 17 and Friday, March 21. The fee for a short course is expected to be approximately \$90 per person for a half-day course and \$140 for a full-day course, if booked before March 3, 1997. Full details of the 1997 ACES Symposium will be available by November 1996. Short course attendance is not covered by the Symposium Registration Fee!

EXHIBITS

Vendor booths and demonstrations will feature commercial products, computer hardware and software demonstrations, and small company capabilities.

The **1997 ACES Symposium** is sponsored by ACES, NPS, DOE, U of KY, U of IL, DOD, SIAM and AMTA in cooperation with the IEEE Antennas and Propagation Society, the IEEE Electromagnetic Compatibility Society and USNC/URSI.