

PIERS 2006 in Cambridge

Progress In Electromagnetics Research Symposium

26 - 29 March 2006

Cambridge, MA, USA

CALL FOR PAPERS

PIERS provides an international forum for reporting progress and recent advances in all aspects of electromagnetics. Spectra range from statics to RF, microwave, photonics, and beyond. Topics include radiation, propagation, diffraction, scattering, guidance, resonance, power, energy and force issues, and all applications and modern developments. Potential session organizers are welcome to propose specific technical topics by filling out the PIERS survey at <http://www.piers.org>.

SUGGESTED TOPICS

- | | |
|---|--|
| 1 Electromagnetic theory | 2 Computational electromagnetics, hybrid methods |
| 3 Spectra, time, and frequency domain techniques | 4 Fast iteration, large scale and parallel computation |
| 5 Transmission lines and waveguide discontinuities | 6 Resonators, filters, interconnects, packaging, MMIC |
| 7 Antenna theory and radiation | 8 Microstrip and printed antennas, phase array antennas |
| 9 RF and wireless communication, multipath | 10 Mobile antennas, conformal and smart skin antennas |
| 11 Power electronics, superconducting devices | 12 Systems and components, electromagnetic compatibility |
| 13 Nano scale electromagnetics, MEMS | 14 Magnetic levitation, transportation and collision avoidance |
| 15 Precision airport landing systems, GPS | 16 Radar sounding of atmosphere, ionospheric propagation |
| 17 Microwave remote sensing and polarimetry, SAR | 18 Subsurface imaging and detection technology, GPR |
| 19 Active and passive remote sensing systems | 20 Electromagnetic signal processing, wavelets, neural network |
| 21 Rough surface scattering and volume scattering | 22 Remote sensing of the earth, ocean, and atmosphere |
| 23 Scattering, diffraction, and inverse scattering | 24 Microwave and millimeter wave circuits and devices, CAD |
| 25 Optics and photonics, gyrotrons, THz technology | 26 Quantum well devices, microwave photonic systems, PBG |
| 27 Medical electromagnetics, radiation hazards, MRI | 28 Fiber optics, optical sensors, quantum computing |
| 29 Biological media, composite and random media | 30 Plasmas, nonlinear media, fractal, chiral media, LHM |
| 31 Constitutive relations and bianisotropic media | 32 Moving media, relativity, field quantization, and others |

ONE-PAGE ABSTRACT MUST BE RECEIVED BY 7 SEPTEMBER 2005

Abstract Guidelines: Authors are invited to submit a one-page abstract in English. No full-length paper is required. On a separate page list the following information: (1) Title of the paper, (2) Name(s) of author(s), (3) Email address of each author, (4) Affiliation(s), (5) Mailing address, (6) Telephone/Fax numbers, (7) Corresponding author and presenting author, (8) Topic or Session Organizer, if applicable, (9) State if poster presentation is preferred. Please use On-Line-Submission (<http://piers.org>) to submit your contribution. Authors are recommended to use *.pdf, *.doc, or *.tex as the file format. The submission deadline is **7 September 2005**. If by mail or fax, please send to:

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Each presenting author is limited to presenting no more than three papers in oral and poster sessions, and must pre-register by paying a non-refundable fee of US\$395 before 7 November 2005. For students with valid identification, the non-refundable pre-registration fee is US\$195. Registration fee will be raised to \$500 after **7 November 2005**. Papers will be posted in their entirety on the web at <http://www.piers.org> after the pre-registration is completed.

Full-length Papers: Author of an accepted abstract is invited to (but is not required to) submit a full-length paper of no more than five pages. A full-length paper should contain an Abstract, an Introduction, Main text, Conclusion, and References. All abstracts and peer reviewed full-length papers are published in the Proceedings after the author is pre-registered. Some top-rated papers will also be accepted by the Journal of Electromagnetic Waves and Applications. The deadline for the submission of extended papers is **7 November 2005**.

PRESENTING AUTHORS MUST PRE-REGISTER BY 7 NOVEMBER 2005

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