

PIERS 2006-Tokyo

Progress in Electromagnetics Research Symposium
2-5 August 2006

Chuo University, Tokyo, JAPAN

FINAL CALL FOR PAPERS

The Progress in Electromagnetics Research Symposium (PIERS 2006-Tokyo) will be held on 2-5 August 2006 at Korakuen Campus, Chuo University, Tokyo, Japan.

PIERS provides an international forum for reporting progress and recent advances in the modern development of electromagnetic theory and its new and exciting applications. Suggested topics are listed below, but consideration will be given to papers on other subjects as well.

Symposium Organization

PIERS Chairman: J. A. Kong, Massachusetts Institute of Technology, Cambridge, Massachusetts, USA

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PIERS 2006-Tokyo Symposium Committee: A. Komiyama, M. Nishimoto, M. Sato, T. Sato, H. Shirai, T. Yamasaki

Sponsorship: The Electromagnetics Academy

Suggested Topics

1. EM theory and nonlinear electromagnetics
2. Computational electromagnetics
3. Fast algorithms and large scale computation
4. Asymptotic methods and high frequency techniques
5. Ultra-wideband, short-pulse electromagnetics
6. Time-domain electromagnetics
7. Scattering and diffraction
8. Periodic structures and photonic/EM bandgap structures
9. Waveguiding structures and discontinuities
10. Wavelet techniques in electromagnetics
11. Neural network techniques in electromagnetics
12. Rough surface scattering
13. Wave scattering and imaging in random media
14. Electromagnetic interaction with natural media
15. Inverse scattering
16. SAR and SAR interferometry
17. ISAR and radio imaging
18. Polarimetric radar sensing
19. GPR and subsurface sensing
20. UXO/Landmine detection
21. Radar applications for atmosphere and ionosphere
22. Remote sensing of the earth, ocean and atmosphere
23. Signal processing in remote sensing
24. Tropospheric and ionospheric propagation
25. Electromagnetic precursors of earthquakes
26. Propagation in wireless communications
27. Antenna theory and measurements
28. Microstrip and printed antennas
29. Mobile antennas
30. Photonics, nonlinear optics and devices
31. Optical sensors and applications
32. Near field optics
33. New LED technology and applications
34. Microwave and optical wave interactions
35. Microwave and millimeter-wave circuits
36. Microwave power transmission
37. Advances in MMIC
38. Superconducting electronics
39. Composite, complex and fractal media
40. Left-handed metamaterials and negative refraction
41. Material measurements
42. Electromagnetic compatibility
43. Medical applications and biological effects
44. Others

ONE-PAGE ABSTRACT MUST BE RECEIVED BY 1 MARCH 2006

(Deadline has been extended)

Abstract Guidelines:

Authors are invited to submit a one-page abstract in English. No full-length paper is required. The abstract should explain clearly the content and relevance of the proposed technical contribution, require no copyright transfer agreement,

and contain no acknowledgements. On a separate page, list the following information: (1) Title of the paper, (2) Name(s) of the author(s), (3) E-mail address of each author, (4) Affiliation(s), (5) Complete 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 the On-Line Submission (<http://www.emacademy.org/piers2k6Japan/>) to submit your abstract. Authors are recommended to use *.pdf as the file format. Each presenting author is limited to presenting no more than three papers. The submission deadline is **1 March 2006**.

ACCEPTANCE NOTIFICATION BY 15 MARCH 2006 PRESENTING AUTHOR MUST PRE-REGISTER BY 17 APRIL 2006

Acceptance Notification:

Acceptance notification will be sent to the corresponding author of the submitted paper by 15 March 2006.

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 Abstract, Introduction, main text, Conclusion, and References. Full-length papers will be peer reviewed and published in the Proceedings after the authors have pre-registered. It is recommended that you use On-Line Submission (<http://www.emacademy.org/piers2k6Japan/>) to submit a full-length paper. Submission details will be posted on the web. Limited number of top-rated papers will also be accepted by the *Journal of Electromagnetic Waves and Applications*. The deadline for the submission of full-length papers is **17 April 2006**.

Registration:

We strongly recommend that you use the On-Line Registration to pre-register. Each presenting author must pay a non-refundable registration fee and is limited to pre-register for no more than three papers. Before and on 17 April 2006, the pre-registration fee is ¥45,000, and for students with valid identification and senior participants over the age of 70, ¥20,000. After 17 April 2006 and during the symposium, the registration fee will be increased to ¥50,000, and for students and senior participants, ¥25,000. The abstract will be posted in its entirety on the web after the pre-registration is completed. Only pre-registered abstracts will be scheduled in the symposium program.

| Participant | Before and on 17 April 2006 | After 17 April 2006 |
|-----------------------------------|------------------------------------|----------------------------|
| Regular | ¥45,000 | ¥50,000 |
| Student and Senior over 70 | ¥20,000 | ¥25,000 |

General inquiries should be directed to:

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ABOUT TOKYO

Tokyo is one of the largest cities in the world with a population of 12.29 million and is the biggest of the 47 prefectures throughout Japan. It can easily be reached from various cities of the world. In fact, 1,600 international flights per week are served at the New Tokyo International Airport in Narita. Tokyo is an ideal center for exploring history and culture, and for natural beauty as well as for shopping. Historically, Tokyo replaced Kyoto as the capital of Japan in 1868 with the advent of the Meiji Restoration. At the same time, the Edo Castle, long used as the seat of the Tokugawa Shogunate Government, was converted into the present Imperial Palace. Visitors to the Imperial Palace grounds can find a few remains of the former Edo Castle and enjoy excellent historical displays. In downtown Tokyo, there are many attractions such as the Meiji Shrine, the Asakusa Kannon Temple, the Tokyo Tower, the National Diet Building. Tokyo also boasts of 240 art museums and galleries and 277 parks and gardens, drawing a large crowd of visitors. In the vicinity of Tokyo, there are many more attractive sightseeing spots. One hour by train from Tokyo, Kamakura is a small and quiet coastal town with many tranquil temple grounds, where most famous among the city's attractions is its giant bronze image of the Buddha, the *Daibustu*. 90 minutes by train from Tokyo, Hakone is a famous resort area set in the beautiful mountains which comprise the Fuji-Hakone-Izu National Park. Mt. Fuji, at 3,776 m in height, is known as the tallest and most beautiful mountain in Japan. In addition, two hours by train from Tokyo, Nikko is probably the best known of Japan's 27 national parks to foreign tourists. During the month of August, the average temperature is about 26°C (79°F) and the relative humidity is around 66%. The Korakuen Campus of Chuo University, the venue of PIERS 2006-Tokyo, is conveniently situated in the heart of Tokyo, and it is easily accessible from the New Tokyo International Airport (80 minutes).

Updated information on World Wide Web <http://www.emacademy.org/piers2k6Japan/>