



Final Call for Papers



2004 INTERNATIONAL SYMPOSIUM ON ANTENNAS AND PROPAGATION

August 17-21, 2004, Sendai, JAPAN

Empowering the World of Communications via Antennas

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The 2004 International Symposium on Antennas and Propagation (ISAP '04) will be held at Sendai International Center in Sendai, Japan, Aug 17 (Tuesday) through Aug 21 (Saturday), 2004. This Symposium, the ninth ISAP, is sponsored and organized by the Communications Society of the Institute of Electronics, Information and Communication Engineers (IEICE), and is held in cooperation with the International Union of Radio Science (URSI), the Antennas and Propagation Society of the Institute of Electrical and Electronics Engineers (IEEE/AP-S), the Antennas and Propagation Professional Network of the Institute of Electrical Engineers (IEE), the Chinese Institute of Electronics (CIE), and the Korea Electromagnetic Engineering Society (KEES).

OBJECTIVE

ISAP '04 is intended to provide an international forum for the exchange of information on the progress of research and development in antennas, propagation, electromagnetic wave theory, and related fields as shown in the Scope. It is also an important objective of this meeting to promote mutual interaction among participants.

SCOPE

This symposium will treat a wide range of subjects on antennas, propagation and electromagnetic wave theory as suggested below. Papers concerned with other aspects of these subjects will also be considered. In addition, special topics treating emerging technologies heralding a new era in wireless communications and applications are invited for consideration.

S. Special Topics

- S1. MIMO Transmission Technologies
- S2. UWB and Impulse Radio
- S3. 4th-Generation Mobile Wireless Systems
- S4. Emerging Technology of Adaptive Array
- S5. Space-Time Channel Characterization and Modeling

A. Antennas and Related Topics

- A1. Microstrip and Printed Antennas
- A2. Active and Integrated Antennas
- A3. Array Antennas, Phased Arrays and Feeding Circuits
- A4. Mobile and Base Station Antennas
- A5. Adaptive and Smart Antennas
- A6. Antenna Design and Analysis
- A7. Antenna Measurements
- A8. Multiband Antennas
- A9. Reconfigurable Antennas

A10. Millimeter Wave and Sub-Millimeter Wave Antennas

A11. Reflector/Lens Antennas and Feeds

A12. Optical Technology in Antennas

A13. Others

B. Propagation and Related Topics

B1. Mobile and Indoor Propagation

B2. Diversity Technologies

B3. Millimeter and Optical Wave Propagation

B4. Earth-Space and Terrestrial Propagation

B5. Radio Meteorology and Astronomy

B6. Remote Sensing

B7. SAR Polarimetry and Interferometry

B8. Ionospheric Propagation

B9. Others

C. Electromagnetic Wave Theory

C1. Complex Media and Artificial Media

C2. Computational Electromagnetics

C3. Theoretical Electromagnetics and Analytical Methods

C4. High-Frequency Techniques

C5. Time Domain Techniques

C6. Inverse Problems

C7. Random Media and Rough Surfaces

C8. Scattering and Diffraction

C9. Waveguiding Structures

C10. Periodic and Band-Gap Structures

C11. Non-Linear Electromagnetics

C12. Others

D. Systems and Related Topics

D1. Biological Effects and Medical Applications

D2. High Power Microwave Applications

D3. Advanced Materials for EM Applications

- D4. Subsurface Sensing
- D5. Satellite Systems
- D6. Ubiquitous Network Systems
- D7. Radio Technologies for Intelligent Transport Systems
- D8. EMC/EMI Simulations and Measurements
- D9. EM Simulators, Visualization and Education
- D10. Others

PREPARATION OF PAPERS

Original papers are solicited that have not been presented previously and that describe new contributions in the area suggested in the Scope. Each author is requested to prepare a 4-page camera-ready paper written in English, including all text, references, figures and photographs. The authors are requested to refer to the ISAP '04 Web page for the detailed paper preparation instructions and the IEICE Copyright Transfer Form. The Proceedings will be available in both CD-ROM and hard copy format.

SUBMISSION OF PAPERS

Authors are requested to send their papers in Adobe Acrobat® *.PDF format by electronic method. At the same time, a signed IEICE Copyright Transfer Form should be sent by post along with one original and two copies of paper. The detailed instructions of the electronic Web-based paper submission will be provided on the ISAP '04 Web page. The deadline for the electronic paper submission is Feb 29, 2004 and that for the hard-copies and copyright form is Mar 14, 2004.

PRESENTATION

The working language is English. Poster Sessions will be scheduled. A limited number of computer demonstration spaces will be available for poster session papers.

ISAP '04 PAPER AWARDS

Several outstanding papers, which deserve special recognition through its originality and usefulness, will be awarded. The ISAP '04 Paper Awards with 50,000 Japanese Yens (JPY) will be presented to the author(s) at the closing ceremony.

ISAP '04 POSTER PRESENTATION AWARDS

The Steering Committee will select several outstanding poster presentations which deserve special recognition through its originality and quality of presentation in the poster session. The ISAP '04 Poster Presentation Awards with extra prizes will be presented to the author(s) at the closing ceremony.

IEICE TRANSACTIONS SPECIAL ISSUE

By taking this opportunity, in the IEICE Transactions on Communications, the Special Issue on ISAP '04 has been planned to publish articles which are limited to the papers **presented** at oral or poster sessions in the symposium. Your contribution to the special issue would be greatly appreciated. The deadline for submission is **Sep 30, 2004**. The issue will be published in **June 1, 2005**. The detailed information will be provided at the ISAP '04 Web page by

the end of this year. Do not miss this chance!

WORKSHOP

Several workshops are scheduled to be held in the afternoon, Aug 17 (Tuesday). You can get the latest information on technologies relating to antennas and propagation.

EXHIBITION

Companies are invited to exhibit their hardware and software products, books and services during the symposium. An exhibition space with a panel, a desk and electricity will be provided for an extra charge. Intent to exhibit should be indicated by Dec 15, 2003. The application form can be downloaded from the ISAP '04 Web page.

REGISTRATION

Online registration will start in January, 2004, on our website.

VENUE

Sendai is the largest city and the center of the Northeast (Tohoku) district of Japan. It is about 350 kilometers north of Tokyo, a two-hour bullet train ride from the metropolis. The city is called "Mori no miyako," the city of forest, since major streets in the city are lined with many trees. Sendai is also known as the hometown of Yagi-Uda antenna, which was invented by Profs. Yagi and Uda of Tohoku University. The ISAP '04 will be held at Sendai International Center, which is located on the foot of the Sendai castle.

YOUNG SCIENTIST TRAVEL GRANT

Young Scientist Travel Grant (YSTG) will be awarded by ISAP to several young overseas speakers who need financial support to present their papers. The applicants must be less than 35 years old as of Aug 21, 2004. The Steering Committee will select the winners and provide a part of traveling (depending on the distance from Japan and maximum about 100 thousand yen) and staying (about 50 thousand yen) expenses and registration fee at the symposium site. The YSTG Application Form can be downloaded from [the ISAP '04 Electronic Submission Web page](#) after filling in the Registration Form. Applicants to this support program should attach the signed YSTG Application Form to the normal submission, keeping submission deadline of YSTG papers, Feb 1, 2004.

TIME TABLE

Deadline for YSTG paper submission:	February 1, 2004
Deadline for paper submission:	February 29, 2004
Notification of accepted papers:	April 20, 2004
Deadline for advance registration:	July 1, 2004

FURTHER INFORMATION

Please have a contact to the ISAP '04 Web page. Now, access to <http://www.ieice.org/cs/isap/2004>

