



May 15–17, 2007

<http://www.ivec2007.org>

Kitakyushu International Conference Center

Kitakyushu, Fukuoka, Japan

Final Call for Papers

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Meeting Arrangements

Yoshie Moriguchi
ICS Convention Design, Inc.
ivec2007@ics-inc.co.jp

Dear Colleagues,

We are very pleased to invite you the eighth International Vacuum Electronics Conference (IVEC 2007) which will be held in Kitakyushu, Japan on 15-17 May, 2007. Since 2000, IVEC was held for the first time in Monterey, California, USA and, then every second year outside the US. Thus 2007 will be in Asia.

The International Vacuum Electronics Conference encompasses wide ranging topical areas and will be of interest to those involved in any of the varied vacuum electronics specialties including device development, implementation, system design, and manufacturing. These devices continue to provide power and performance for advanced electromagnetic systems especially at higher frequency. Rapid technological advances in the vacuum electron device area, plus new and improved devices, are making possible systems having reliability and capabilities well beyond any fielded today.

We invite you to submit papers to IVEC to report on your work and experiences in vacuum electronics and electron sources. The meeting will be configured to maximally disseminate useful information to device users, manufacturers, academics, and students. We encourage submission of papers from each group.

IVEC 2007 will be held at the Kitakyushu International Conference Center in Kitakyushu, Fukuoka, Japan. On the first morning, there will be a plenary session with speakers covering subjects of broad interest. This will be followed by two and a half days of technical presentations, both oral and poster. The special IVEC Award for Excellence and Student Paper Award will be granted at the conference, and the conference banquet will be held at the Rihga Royal Hotel Kokura. As in past conferences, the meeting and social events will provide a unique opportunity to renew friendships with colleagues and friends, interact with customers, and meet students.

We hope to see you all at IVEC 2007.

Sincerely,

The IVEC 2007 Organizing Committee

Sponsored by the IEEE Electron Devices Society



Technical Subject Categories

1. Vacuum Electron Devices

Traveling wave tubes (all types)
Crossed field devices (oscillators and amplifiers)
Klystrons
Multiple beam devices
Inductive output tubes
Fast wave devices (gyrotrons, gyro-amplifiers)
Free electron lasers and masers
Pulse compression devices
Plasma filled amplifiers and oscillators
High pulsed power devices
Triodes, tetrodes and pentodes
Power switches

2. Vacuum Nanoelectronics

Microwave and millimeter wave amplifiers and oscillators
Field emitter arrays
Flat panel displays
Sensors and detectors

3. Systems and Subsystems

Microwave and millimeter wave power modules
Electronic power conditioners and supplies
Linearizers
Amplifier/antenna coupling
Device and system integration
Reliability

4. Technologies

Cathodes and other electron emitters
Component parts (e.g. guns, circuits, windows, collectors)
Analysis and computer modeling
Novel materials (e.g. dielectrics, coatings, magnetic materials)
Electron emission
RF breakdown
Linearity, intermodulation and noise
Novel measurement techniques
Miniaturization
Thermal power management and control

5. Applications of Vacuum Electron Devices

Space
Radar
Telecommunications
Defense
Broadcasting
Medicine
Particle accelerators
RF interference
Instruments and lithography
Materials Processing
Television
Displays
Electric Propulsion

Additional Information

Please visit our website for additional information about the conference as it becomes available.

Preparation of Abstracts

Prospective authors are invited to submit one copy of an extended summary of the work to be reported including as many details as possible. The inclusion of figures, tables and especially numerical data is strongly recommended. The top of the first page should include the name, affiliation, city and state of each author, plus the mailing address, telephone, fax number, and e-mail of the corresponding author. Abstracts may be up to 2 pages in length, and in A4(210x297mm) paper format (area of text and figures on each page should not exceed 16.5 x 23 cm). Please use 14 point bold Times New Roman font for the title and 12 or 11 point Times New Roman font for all other text. An abstract template is available from our website:

<http://www.ivec2007.org/>

Abstracts should be submitted electronically in Microsoft Word (.doc format) by January 12, 2007 to:

<https://www.e-kenkyu.com/ivec2007/>

If unable to send abstract via the WEB site, please contact to:

Mr. Takeshi Hasegawa
Sendai Kyodo Printing Co.
publisher@ivec2007.org

Abstracts will be published in Conference Proceedings which will be distributed at the meeting. To insure high quality publication, please follow the format guidelines given above. Authors of accepted papers will have the opportunity to resubmit camera-ready manuscripts until March 9, 2007.

Oral Presentations

Each paper selected for oral presentation at the conference will be allotted a total of 20 minutes – 15 minutes for presentation and 5 minutes for questions and discussion. To maintain the schedule of each session, authors are asked to ensure that their presentations conform to these time constraints.

Awards

Nominations are solicited for the 2007 IVEC Award for Excellence in Vacuum Electronics. Any member of the vacuum electronics community is eligible to make a nomination according to the procedures described in detail on the IVEC 2007 website.

A prize for the best student paper presented at IVEC 2007 will be awarded during the conference. To be eligible for the award, the first author of the paper must be a full time student and the paper must be identified as a student paper when it is submitted.

Schedule

Submission of abstract	January 12, 2007
Notification of acceptance	February 2, 2007
Camera-ready paper due	March 9, 2007