



IVEC 2004

April 27 – 29, 2004
<http://www.ivec2004.org>

DoubleTree Hotel
Monterey, CA 93940

Final Call for Papers

IVEC 2004 Program Committee

General Chairman – Dan Goebel, Jet Propulsion Laboratory
Program Chairperson – Carol Kory, CCR and Analex Corp.
T-ED Special Issue Editor – Will Menninger, Boeing EDD
Publicity – Yehuda Goren, Teledyne and David Whaley, L-3 Communications
Finance – Richard True, L-3 Communications and Vern Heinen, Northrop Grumman
Education – John Booske, U. Wisconsin
Entertainment – Dan Goebel, Jet Propulsion Laboratory and Monica Blank, CPI
Local Arrangements – Monica Blank, CPI
Plenary Sessions – Baruch Levush, NRL
Awards – James Dayton, Jr., Genvac

EDS Vacuum Electronics Committee

James Dayton, Jr., Genvac (Chairman)
B.N. Basu, Banaras Hindu U.
Ivor Brodie, SRI
Richard Carter, U. Lancaster
Jon Christensen, Boeing
Kwo Ray Chu, National Tsing Hua U.
Takeo Kageyama, Kitakyushi Foundation
Gunther Kornfeld, Thales (Germany)
Carol Kory, Calabazas Creek
S.G. Liu, U. Electronic Science and Tech.
Neville Luhmann, Jr., U.C. Davis
Dev Palmer, Army Research Office
Gun Sik Park, Seoul National U.
Robert Parker, Consultant
Armand Staprans, CPI
Philippe Thouvenin, Thales (France)
Richard True, L-3 Communications
Pierre Waller, ESA

Meeting Arrangements

Ralph Nadell
Palisades Convention Management
RNadell@pcm411.com

Dear Colleagues,

As the International Vacuum Electronics Conference makes its way back to the U.S. in 2004, we are preparing for yet another successful meeting with active participation from all parts of the globe. Our purpose is to provide a forum for dissemination and exchange of information relating to all aspects of the rapidly developing and exciting field of vacuum electronics.

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. Whether you have affiliations with academia, industry, or government, the conference will provide a meaningful and worthwhile part of your 2004 professional activities. We would therefore like to cordially invite you to attend the conference and submit papers related to recent work in your areas of expertise.

IVEC 2004 will be held at the DoubleTree Hotel in the picturesque city of Monterey, California. The conference will start with a half day plenary session discussing topics of general interest and will be followed by two and one-half days of oral and poster presentations. A welcome reception and banquet will be held during the conference to allow for time to interact with friends and colleagues. Since it is truly your contributions which will make this conference a success for all, please join us at IVEC 2004.

Sincerely,

The IVEC 2004 Program 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 Microelectronics*
 - Microwave/millimeter wave amplifiers/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*
 - Component parts (e.g. guns, circuits, windows, collectors)
 - Analysis and computer modeling
 - Novel materials (e.g. dielectric, magnetic, coatings)
 - Electron emission
 - RF breakdown
 - Linearity, intermodulation and noise
 - Novel measurement techniques
 - Miniaturization
 - Thermal power management and control
5. *Applications of Vacuum Electron Devices*
 - Military
 - Space
 - Radar
 - Telecommunications
 - Medicine
 - Particle accelerators
 - RF interference
 - Instruments and lithography
 - Materials Processing
 - Television
 - Displays
 - Electric Propulsion

Additional Information

Please visit our website at www.ivec2004.org for additional information such as e-mail addresses, breaking news, links to past and future IVEC websites, hotel and conference site links, etc.

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, and e-mail address of each author, plus the mailing address, telephone, and fax number of the lead (or corresponding) author. Abstracts may be up to 2 pages in length, and in 8.5 x 11 inch paper format (area of text and figures on each page should not exceed 16.5 x 22.85 cm). Please use 14 point bold Times New Roman font for the title and 12 point Times New Roman font for all other text.

Abstracts should be submitted electronically in either Adobe Acrobat (.pdf format) or Microsoft Word (.doc format) by January 5, 2004 to:

RNadell@pcm411.com

If unable to send abstract electronically, please send one copy of all material to:

Mr. Ralph Nadell
Palisades Convention Management
411 Lafayette Street, Suite 201
New York, NY 10003
Phone: 212-460-8090 x203
Fax: 212-460-5460

Abstracts will be published in the Conference Proceedings which will be distributed at the meeting. To ensure 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 12, 2004.

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 2005 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 2004 website.

A prize for the best student paper presented at IVEC 2004 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 abstracts	January 5, 2004
Notification of acceptance	February 6, 2004
Camera-ready paper due	March 12, 2004
Advance registration ends	April 16, 2004

