



IVEC 2002

April 23 – 25, 2002
<http://ivec2002.org>

Doubletree Hotel
Monterey, CA 93940

Final Call for Papers

IVEC 2002 Program Committee

General Chairman – Richard True, Northrop Grumman
Technical Program – Dan Goebel, Boeing
Entertainment – Carol Kory, Analex/NASA
Publicity – William Menninger, Boeing
Publications – Monica Blank, CPI, and
David Whaley, Northrop Grumman
Finance – Robert Parker, NRL, and
Bruce Danly, NRL
Education – John Booske, U. Wisconsin
Local Arrangements – Yehuda Goren, Teledyne
Awards – James Dayton, Jr., Consultant

EDS Vacuum Electronics Committee

James Dayton, Jr. (Chairman)
B.N. Basu, Banaras Hindu U.
Ivor Brodie, SRI
Richard Carter, U. Lancaster
Jon Christensen, Boeing
Kwo Ray Chu, National Tsing Hua U.
Georges Faillon, Thales (France)
Takeo Kageyama, NEC
Gunther Kornfeld, Thales (Germany)
Carol Kory, Analex/NASA
S.G. Liu, U. Electronic Science and Tech.
Neville Luhmann, Jr., U.C. Davis
Dev Palmer, MCNC
Gun Sik Park, Seoul National U.
Robert Parker, NRL
Vladimir Savvin, Moscow State U.
Armand Staprans, CPI
Richard True, Northrop Grumman
Pierre Waller, ESA

Meeting Arrangements

Ralph Nadell
Palisades Convention Management
RNadell@pcm411.com

Dear Colleagues,

Vacuum electron devices continue to provide power and performance for advanced electromagnetic systems. Rapid technological advances, and new and improved devices, are making possible systems having capabilities well beyond any fielded today.

It is therefore our pleasure to invite you to submit papers to the Third IEEE International Vacuum Electronics Conference, and report on your work in this exciting area. The meeting will be configured to maximally disseminate useful information to device users, manufacturers, academics, and students, and we encourage submission of papers from each group.

The three day conference will be held in the beautiful and historic city of Monterey, California at the Doubletree Hotel. On the first morning, there will be a plenary session with speakers covering subjects of special interest. This will be followed by two and a half days of oral and poster technical presentations. Throughout the meeting and social events, there will be time to renew friendships with colleagues and friends, interact with customers, and meet students.

We hope to see you all at IVEC 2002.

Sincerely,

The IVEC 2002 Program Committee

Sponsored by the IEEE Electron Devices Society



“System Excellence through Vacuum Electronics”
<http://ivec2002.org>



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

Space
Radar
Telecommunications
Medicine
Particle accelerators
RF interference
Instruments and lithography
Materials Processing
Television
Displays

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 December 21, 2001 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 x 203
Fax: 212-460-5460

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 8, 2002.

Schedule

Submission of abstract	December 21, 2001
Notification of acceptance	February 1, 2002
Camera-ready paper due	March 8, 2002

Additional Information

Please visit our website for e-mail addresses, breaking news, links to past and future IVEC websites, hotel and conference site links, and other information.