



## 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](mailto: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.