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
**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.