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Call for Papers

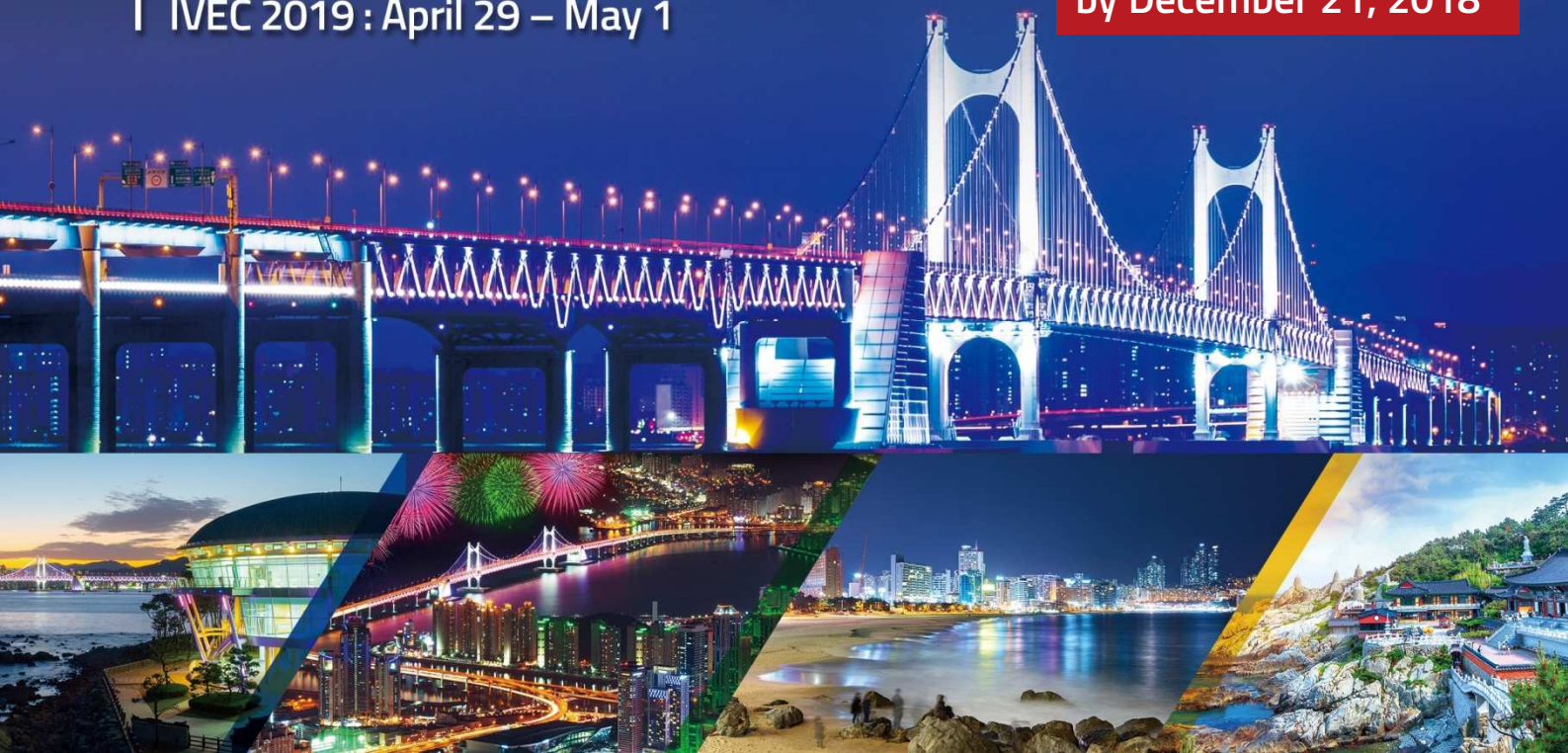
IVEC 2019

20th International
Vacuum Electronics Conference

April 28 – May 1, 2019
Paradise Hotel Busan, South Korea

Mini Course : April 28
IVEC 2019 : April 29 – May 1

Abstract submission
by December 21, 2018



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Gun-Sik Park (Seoul National University)

Program Co-Chairs

Jin Joo Choi (Kwangwoon University)

EunMi Choi (Ulsan National Institute of Science and Technology)

IVEC2019 QR Code





Important Dates

Abstract submission deadline	December 21, 2018
Notification of acceptance	January 25, 2019
IEEE compliant abstract due	February 22, 2019
Advance registration ends	March 31, 2019

Preparation of Abstracts

Prospective authors are invited to submit a 2-page abstract of the work to be reported including as many details as possible. The inclusion of figures, tables and especially numerical data is strongly recommended.

- Abstracts submission link: <http://ivec2019.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 power microwave devices / RF directed energy
 - Triodes, tetrodes and pentodes
 - Power switches
2. **Vacuum Microelectronics / Nanoelectronics**
 - Microwave, millimetre-wave & THz 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, modulators, and supplies
 - Linearizers
 - Amplifier/antenna coupling
 - Power combining system
 - Device and system integration
 - Reliability
4. **Technologies**
 - Cathodes and other electron emitters
 - Component parts (e.g. guns, circuits, windows, collectors)
 - Analysis and computer modeling
 - Micro-fabrication techniques (e.g. LIGA, DRIE, 3-D printing, CNC)
 - 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**
 - Defense
 - Radar
 - Telecommunications
 - Medicine
 - Particle accelerators
 - Nuclear fusion
 - Plasma
 - RF interference
 - Instruments and lithography
 - Materials processing
 - Television
 - Displays
 - Electric propulsion

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