IEEE ICCE 2016
The 6th IEEE International Conference on Communications and Electronics

Ha Long Bay, 27th – 29th July 2016

CALL FOR PAPERS – EXTENDED DEADLINE: Feb 12th 2016 – http://www.icce-2016.org

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IMPORTANT DATES

Extended submission deadline:
February 12th, 2016
Acceptance notification:
April 30th, 2016
Registration & camera-ready:
May 20th, 2016
Conference date:
July 27th – 29th 2016

CONFERENCE OFFICIAL ADDRESS:

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The International Conference on Communications and Electronics (ICCE) has become a prestige bi-annual international conference series in the area of Electronics and Communications recently. This time, the sixth ICCE (IEEE ICCE 2016) will be organized as a celebration on the occasion of the 60th anniversary of the Hanoi University of Science and Technology. In addition, IEEE ICCE 2016 will also be an event to mark its 10th anniversary. Following the past successful IEEE ICCE 2014, which received 228 submissions from 30 countries with the acceptance rate of 42%, IEEE ICCE 2016 looks for significant contribution to various topics in communications engineering, networking, microwave engineering, signal processing and electronic engineering. The conference will also include tutorials, workshops, and technology panels given by world-class speakers. Besides the scientific activities, as IEEE ICCE 2016 will be held in the spectacular World-Heritage Site - Ha Long Bay, here, your passion of nature discovery will be awakened.

SUBMISSION AND PUBLICATIONS

All authors should prepare full version of papers with maximum length of 6 pages and submit via EDAS: https://edas.info/N21277. All accepted papers will be published in the IEEE ICCE 2016 Conference Proceedings, while papers accepted for oral presentation will be submitted for inclusion in IEEE Xplore®. It is also noted that so far the series title of ICCE has been listed and indexed by SCOPUS. The proceedings of IEEE ICCE series will be submitted to be listed in Conference Proceeding Citation Index (CPCI) of Thomson Reuters.

SCOPE OF THE CONFERENCE

Contributed papers are solicited describing original works in electronics, communications engineering and related technologies. Topics and technical areas of interest include but are not limited to the following:

I. COMMUNICATION NETWORKS AND SYSTEMS

- *Networking*: Future Internet/Future Networks, Crowdsourcing, QoS/QoE and Resource Management, Optical Networks; Wireless, Mobile, Ad-hoc and Sensor Networks, Ubiquitous Networks and Internet of Things; Social Networking; Cloud.Data Center and Big Data Networking; Network Security; Energy-Aware Networking in Data Centers and Cloud, Green Wireless Networks.
- *Communication Systems*: Coding and Information Theory and Signal Processing for Communications, UWB, Ultrasonic Communications, Satellite Communications; Radio-over-Fiber, Free Space and Fiber-Optic Communications; Software Defined Radio, Cognitive Radio; Cooperative Communications, Secured Communication Systems, Multi-antenna Communication Systems; Molecular, Biological and Multi-scale Communications.

II. MICROWAVE ENGINEERING

- *Microwave Devices/Components Design and Techniques*: Passive, Active components, MEMS, Integration Techniques, Nano-Scale Devices, Millimeter-wave and THz Components, Systems and Applications
- *Antenna and Propagation*: Wideband, Multiband Antennas, Smart Antennas, Digital Beam Forming, MIMO, Antenna Modeling and Measurements, Phased Arrays, Millimeter-Wave antennas, Characterization of propagation channels and channel modeling
- *EM Field Theory and Simulation Techniques*: EM Field Theory, Numerical Techniques, Metamaterials, FSSs, Electromagnetic Bandgap Structures.
- *Emerging Technologies and Applications*: wearable electronics and RF/MMW Technologies for Internet of Things.
- Other related technologies and applications

III. SIGNAL PROCESSING AND APPLICATIONS

- *Image and video:* Image, Audio, Video Processing, and Analysis; 3D and Stereo Processing; 3D Scene Analysis and Scene Reconstruction; 3D Computer Vision Systems, Function Imaging.
- *Signals and Systems:* Biomedical Signal Processing and Analysis; Computer-Aided Diagnosis; Biomedical Applications in Molecular; Structural, Signal Filtering, Detection and Estimation; Nonlinear and Statistical Signal Processing; Modeling and Reconstruction; Soft Computing.
- *Applications:* PACS and Imaging Informatics; Ambient Intelligence; Image Based Human-Computer Interaction; Virtual Reality.

IV. ELECTRONIC SYSTEMS

- *Analog Circuits*: Basic blocks (e.g. Amplifiers, comparators, oscillators…); power control and management circuits, energy-harvesting circuits; digitally-assisted analog circuits.
- *Digital Circuits*: intra-chip communication circuits, soft-error and variation-tolerant circuits; crypto accelerators and hardware security circuits (e.g. PUF); circuits for power management.
- *Architectures and Systems*: microprocessors, micro-controllers, digital baseband signal processors, video and multimedia, embedded systems on FPGAs, system-level power management;
- *EDA*: System Design, Synthesis and Optimization; Formal Methods and Verification.
- *Application Systems*: Communication, Consumer and Multimedia; Medical and Healthcare; Spacecraft Avionics

V. SPECIAL SESSIONS

- IEEE ICCE 2016 offers special sessions, which provide the state-of-the-art and current research directions on communications and electronics.