IEEE ICCE 2024

THE 10th IEEE INTERNATIONAL CONFERENCE ON COMMUNICATIONS AND ELECTRONICS 2024

July 31st - August 2nd, 2024 — Da Nang city, Vietnam

CALL FOR PAPERS – http://www.ieee-icce.org

General Co-Chairs

- Ho Dac Loc
  National Committee for
  Professor Titles, Vietnam.
- Seong Ho Jeong
  KICS, Korea
- Serge Fdida
  Sorbonne Université, France

IMPORTANT DATES

Submission deadline (updated):
  February 28th, 2024
Acceptance notification:
  April 28th, 2024
Camera ready:
  May 12th, 2024
Early bird registration:
  May 24th, 2024
Conference date:
  July 31st- August 2nd, 2024

VENUE
Bay Capital Danang,
Da Nang City, Vietnam

CONTACT
E-mail : secretariat@ieee-icce.org

ORGANIZED BY

The 10th IEEE ICCE 2024 is a prestigious event for researchers, experts, and companies to exchange and share their state-of-the-art research results in the field of Communication and Electronic Engineering. The three-day conference, held in Da Nang City on July 31st - August 2nd, 2024, will feature inspiring keynote talks delivered by world-class researchers, technical sessions, tutorials, and workshops.

SUBMISSION AND PUBLICATIONS

Prospective authors are invited to submit full papers with maximum length of 6 pages in PDF format via EDAS: **https://edas.info/N31104**. Paper template can be referred to at **http://www.ieee-icce.org**.

Full accepted papers will be published in the IEEE ICCE 2024 Conference Proceedings and submitted for inclusion in IEEE Xplore®. The proceedings of ICCE series are regularly indexed by SCOPUS and listed in Conference Proceeding Citation Index (CPCI) of Clarivate.

SCOPE OF THE CONFERENCE

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

I. COMMUNICATION NETWORKS AND SYSTEMS

- ***Networking:*** Cloud/Fog/Edge Computing; Networking and Storage; Networking for Big Data; Adhoc and Sensor Networks, Social Networks; Network Security; IoT and Applications; AI in Networking; Mobile & Wireless Networks; Next-Generation Networking & Internet; Paradigms & Applications; Network Softwarization; SDN/NFV; Network Slicing; Datacenter Networking; Network Optimization and Performance.
- ***Communication Systems:*** Modulation, Coding and Information Theory; Quantum Communications, Multimedia Communications, UWB; Ultrasonic and Underwater Communications; Satellite and Space Communications; Radio-over-Fiber, Visible Light, Free Space and Fiber-Optic Communications; Software Defined Radio, Cognitive Radio; Cooperative Communications, Communication and Information Systems Security, Massive MIMO; NOMA, 5G Systems, Millimeter-Wave Communications, Device-to-Device Communications, Green Communications, IRS, GNSS, UAV-aided Communications.

II. SIGNAL PROCESSING AND APPLICATIONS

- Signal Filtering, Detection and Estimation.
- Statistical Signal Processing and Modeling.
- Signal and Image Encryption, Multimedia Security.
- Deep Learning/Machine Learning for Signal Processing.
- Image/Video Processing, Analysis and Applications.
- Computer Vision Systems and Applications.
- Audio, Acoustic Signal, Speech, and Natural Language Processing.
- Human-Computer Interaction Signal Processing in Biomedical and Communications.
- Biomedical Applications in Molecular, Structural, and Function Imaging.
- Internet of Things, Ambient Intelligence and Edge Computing.

V. POWER ELECTRONICS

- Power Electronics Devices and Components.
- Power Converter Topologies: High Power Converters, Low Power Converters.
- Converter Modelling, Design, and Control.
  Power Electronics Applications: Electrical Drive Systems, Renewable Energy Power Systems, Smart Grids, Power Quality, Energy Management Systems, Industry Specific Applications.

III. MICROWAVE ENGINEERING

- Microwave, Mm-Wave Devices/ Components Design and Techniques: Passive, Active Devices/Components, Integration Techniques, Nano-Scale Devices, Mm-Wave and THz Components.
- Antenna and Propagation: Compact Antennas, Reconfigurable and Smart Antennas, Beam Forming, Massive MIMO Antennas, Phased Arrays, Channel Modeling and Propagation; Antenna Measurement.
- EM Field Theory Simulation Techniques: EM Theory, Modelling and Computational, Metamaterials, Scattering and Diffraction.
- Microwave and Mm-wave Systems and Applications: Sensing, Radar, RFID, Wireless Power Transfer, Energy Harvesting, EMC&EMI and Other related applications.

IV. ELECTRONIC SYSTEMS

- Digital, mixed-signal, analog/RF/mm-wave integrated circuits and systems.
- Emerging technologies, circuits and applications including IoT, autonomous vehicles, FPGA-based and embedded systems.
- EDA: System Design, Synthesis and Optimization; Formal Methods and Verification
- Architectures and Systems: NoC, Multi-Core, Video and Multimedia, Embedded Systems, Reconfigurable Computing, System-Level Power Management, IoT Devices, Hardware Security, High Performance/Parallel Computing Platforms for Big Data.
- Application Systems: Communication, Consumer and Multimedia; Medical and Healthcare; Spacecraft Avionics, Artificial Intelligence, Deep Learning.

SPECIAL SESSIONS

- Special Session on Machine Learning and Optimization for Next Generation Communication Technologies
- Special Session on Power Electronics and Electric Drives for Automotive Applications
- Special Session on Recent Advances in B5G/6G Networks
- Special Session on Cognitive Information Processing and Its Applications
  Please visit https://www.ieee-icce.org/category/special-sessions for more details.