



# ATC 2023

19 - 21, October, 2023

Da Nang, Vietnam

Hosted by The University of Danang

## CALL FOR PAPERS

<http://www.atc-conf.org> Email: [atc2023@ac.udn.vn](mailto:atc2023@ac.udn.vn)



ORGANIZED BY



The international Conference on Advanced Technologies for Communications is an annual conference series, since 2008, co-organized by the Radio & Electronics Association of Vietnam (REV) and the IEEE Communications Society (IEEE ComSoc). The goal of the series is two folds: to foster an international forum scientific and technological exchange among Vietnamese and worldwide scientists and engineers in the fields of electronics, communications and related areas, and to gather their high-quality research contributions.

In 2023, ATC will be in Danang City and be hosted by The University of Danang (UD) during October 19-21, 2023. The conference will feature prominent invited speakers as well as papers by top researchers from all over the world.



### TECHNICAL PROGRAM

The conference program will run for three days with the regular tracks, specials sessions, and workshops. In addition, a number of tutorial sessions will be scheduled for one day before the conference starts. For the tracks and special sessions, we invite you to contribute your original work on topics in the following, but not limited to, areas:



### COMMUNICATIONS TRACK

- Communication Theory
- Information & Coding Theory
- Communication Quality, Reliability & Modelling
- Wireless Communications
- Machine learning for Digital Communications
- Deep learning and Applications in Communications System



### NETWORKS TRACK

- Ad hoc & Sensor Networks
- Computer Communications
- Optical Networking
- Satellite Communications
- High-Speed Networking
- Network Operations & Management



### SIGNAL PROCESSING TRACK

- Signal, Image and Video Processing
- Signal Processing for Communications
- Signal Processing for Big Data
- Signal Processing for the IoTs
- Bio-Imaging and Biomedical Signal Processing
- Telemedicine and E-hospital
- Biomechanics



### INTEGRATED CIRCUITS TRACK

- Emerging IC technologies
- VLSI Design Automation
- Digital, Analog and Mixed-Signal ICs and Systems
- RF IC Front-end and Transceivers
- Low Power Design



### ELECTRONICS TRACK

- Internet of Things and Sensors
- Embedded Systems
- Automation, Robotics and Control
- Consumer and Automotive Electronics
- Smart electronic systems



### MICROWAVE ENGINEERING TRACK

- Microwave Theory & Techniques
- RF, Microwave Circuits, Systems & Applications
- Millimeter Wave, THz Technologies and Systems
- Power Amplifier Devices and Circuits



### ANTENNAS AND PROPAGATION TRACK

- Antenna Systems
- Integrated Antennas, Active Adaptive and Smart Antennas
- Electromagnetic Scattering, Channel Measurement and Propagation
- Computational Methods for Wave Propagation



### SUBMISSION AND POLICIES

Submitted papers (for both regular and special sessions) are subject to a blind review process handled by an international technical program committee. An author of an accepted paper must register at full rate (member or non-member of the IEEE or REV) prior to uploading the camera-ready version. The maximum length of the camera-ready version is 6 pages. Conference proceedings that meet IEEE quality reviews standards may be eligible for inclusion in the IEEE Xplore Digital Library. The IEEE reverses the right to exclude a paper from distribution after the conference (e.g., removal from IEEE Xplore) if the paper is not presented at the conference.

### IMPORTANT DATES

#### Regular/special paper submission:

Manuscript submission: May 31, 2023

Notification of acceptance: July 15, 2023

Camera-ready submission: August 15, 2023

**Proposal submission for Special Sessions:** April 30, 2023