

**2019 International Conference on Advanced Technologies for Communications
(ATC-19)**

www.atc-conf.org

October 17-19, Hanoi, Vietnam

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 2019, The ATC conference will be held in Hanoi city, Vietnam during October 17-19, 2019 and hosted by University of Transport and Communications. 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

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
- Telemedical and E-hospital
- Biomechanics

Integrated Circuits and Electronics track

- Emerging IC technologies
- VLSI Design Automation
- Digital, Analog and Mixed-Signal ICs and Systems
- RF IC Front-end and Transceivers
- Low power design
- SOC, SIP, IP
- Electronic Circuits and Systems
- Embedded Systems
- Automation, Robotics and Control
- Consumer and Automotive Electronics
- Sensor Systems

Networks track

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

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, Smart Antennas, Digital Beamforming, Related Circuits and Components
- Electromagnetic Scattering, Channel Measurement and Propagation
- Computational Methods for Wave Propagation

Special Session: ITS track

- Automation in Transportation
- Sensing, Detectors and Actuators in ITS

- Communications in ITS
- Smart Mobility in ITS
- Modelling, Control and Simulation in Transportation
- Electronic Payment Systems in ITS

SUBMISSION & 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.

Paper submission on EDAS: <http://edas.info/N25773>

IMPORTANT DATES

Regular/special paper submission:

Manuscript submission: May 30, 2019

Notification of acceptance: July 15, 2019

Camera-ready submission: July 30, 2019

Proposal submission:

Special Sessions: April 15, 2019

Workshops: April 15, 2019