

# APCC 2019

Ho Chi Minh City, November 6-8, 2019



The Asia-Pacific Conference (APCC) is an annual event bringing together exceptional researchers and cutting-edge innovators from industries and academics around the world. The 25th Asia-Pacific Conference on Communications (APCC) will be held in Ho Chi Minh city, Vietnam from the 6th to the 8th of November, 2019 and hosted by Posts and Telecommunications Institute of Technology. The theme of this year's conference is Enabling Technologies for Smart Cities. In addition to high-quality technical sessions, the symposium will feature exciting keynotes, tutorials and workshops. It will also offer a fantastic social program. In addition to high-quality technical sessions, the symposium will feature exciting keynotes, tutorials and workshops. It will also offer a fantastic social program.

## TECHNICAL PROGRAM

The conference program will run for three days with the regular tracks, special sessions, tutorials and workshops. For the tracks and special sessions, we invite you to contribute your original work on topics in the following, but not limited to, areas:

### Signal Processing for Communications

- ◆ Advanced equalization, channel estimation, signal detection, and synchronization techniques
- ◆ Novel architectures for signal demodulation and decoding
- ◆ Signal processing techniques for commercial/standardized (LTE, LTE/A, WiMAX etc.) and other emerging systems
- ◆ Signal processing for millimeter and Tera-Hz communication systems
- ◆ Signal processing for single-carrier, OFDM and OFDMA systems
- ◆ Signal processing for spread-spectrum, CDMA, ultra-wideband systems
- ◆ Machine learning, and stochastic geometry-based signal processing

### Wireless Networks

- ◆ 5G and beyond
- ◆ LTE, WiMAX, WMAN, and other emerging broadband wireless networks
- ◆ WLAN, WPAN, and other home/personal networking technologies
- ◆ Underwater wireless networks
- ◆ Vehicular wireless networks
- ◆ mmWave wireless networks
- ◆ Free space optical networks

### SUBMISSION & POLICIES

Submitted papers (for both regular and special sessions) are subject to a blind reviewed 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) prior to uploading the camera-ready version. The maximum length of the camera-ready version is 6 pages without incurring additional page charges (maximum 1 additional page with over length page charge of USD 100 if accepted). Papers exceeding 10 pages will not be accepted at EDAS. Conference proceedings that meet IEEE quality review standards may be eligible for inclusion in the IEEE Xplore Digital Library. The IEEE reserves 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/N25750>

### COMMITTEE

#### Honorary Co-chairs

Masahiro Umehira, Ibaraki University (ASC Chair, 2015-2016)  
Daehyoung Hong, Sogang University, Korea (ASC Chair, 2017-2018)

#### Technical Program Chairs

Vo Nguyen Quoc Bao, PTIT, Vietnam  
Ha Hoang Kha, HCMUT, Vietnam  
Duy Ngo, The University of Newcastle, Australia  
Duy Nguyen, San Diego State University, USA

### Wireless Communications

- ◆ MIMO, multi-user MIMO, and massive MIMO
- ◆ OFDM and multi-carrier systems
- ◆ Multiple access techniques and air interfaces (CDMA, TDMA, FDMA, OFDMA)
- ◆ Millimeter wave and Terahertz communications
- ◆ Maritime, space and underwater communications
- ◆ Modulation, coding, and diversity techniques
- ◆ Performance analysis of wireless communication systems

### Emerging Technologies, Applications, and Services Track

- ◆ Context and location-aware wireless services and applications
- ◆ User-centric networks and adaptive services
- ◆ Wireless body area networks and e-health services
- ◆ Intelligent transportation systems
- ◆ Dynamic sensor networks for urban applications
- ◆ Wireless emergency and security systems
- ◆ Ultra-reliable communication

### IMPORTANT DATES

#### Regular/special paper submission:

Manuscript submission (Hard) **July 15, 2019**  
Notification of acceptance: **August 15, 2019**  
Camera-ready submission: **September 15, 2019**

#### Proposal submission:

Special sessions: **June 30, 2019**  
Tutorials: **June 30, 2019**

#### Steering Co-chairs

Vu Van San, PTIT, Vietnam  
Yang Yang, Shanghai Tech University, China

#### General Chairs

Tan Hanh, PTIT, Vietnam  
Tran Xuan Nam, IEEE Comsoc-Vietnam Chapter  
Khoa Le, Western Sydney University, Australia