

COMCOMAP 2020

# Computing, Communications & IoT Applications Conference

Date:  
December 20-22, 2020

Beijing University of Posts  
and Telecommunications  
Beijing, China

Technically Sponsored

Co-Sponsored



IEEE

IEEE Beijing Section



IEEE



北京邮电大学

CONFERENCE WEBSITE: <http://comcomap.net/2020/>

EDAS SUBMISSION LINK: <https://edas.info/chair.php?c=27085>

## CALL FOR PAPERS

Submission Deadline: **Oct. 10<sup>th</sup>, 2020**

You are cordially invited to participate in and attend the **Computing, Communications and IoT Applications Conference (ComComAp 2020)** to be held **VIRTUAL** in Beijing, China, on **December 20-22, 2020**. The conference is to address, explore and exchange information on the state-of-the-art in all types of computing systems, communications, and networking as well as IoT/Engineering applications.

We are interested in visionary, experimental, systems-related and work in-progress papers on the current state of research in Computers, Communications/Networking and IoT/Engineering Applications and related issues. Papers should describe original, previously unpublished work, not currently under review by another conference, workshop, or journal.

## Important Dates

Paper Submission

**Oct. 10<sup>th</sup>, 2020**

Paper Acceptance

**Oct. 30<sup>th</sup>, 2020**

Camera-ready

**Nov. 30<sup>th</sup>, 2020**

Registration

**Nov. 30<sup>th</sup>, 2020**

## **Topics include (but are not limited to):**

### • **ANTENNAS AND MICROWAVE/MM-WAVE/THZ DEVICES/CIRCUITS**

- Antennas for Mobile Communications
- EM Theory and Applications
- Antennas for Ultra High Data Rate Communications
- Propagation For Location Based Devices
- Antennas and Propagation for Biomedical Apps
- Antennas for Wireless LAN
- Scattering, Diffraction and Radar Cross Section
- Propagation Theory and Measurements
- Environmental Effects on Radio Propagation
- Metasurface Materials and Techniques

### • **INTERNET OF THINGS (IoT) SERVICES AND APPLICATIONS**

- Next Generation IoT
- IoT Devices/Applications
- Multimedia over IoT
- Vehicular Communications over IoT
- Social Networking and IoT
- IoT Security
- IoT QoS and Management
- IoT over 5G
- Cooperative IoT Services
- IoT Green Computing

### • **WIRELESS COMMUNICATIONS, SMART SYSTEMS, CLOUD/FOG & BIG DATA**

- Smart Systems: City, Building, Campus
- Wireless Communications and Networking
- Cyber Physical Systems
- Intelligent Transportation
- Smart Sensors
- Smart Grid and Big Data
- Cloud/Fog Applications
- Cloud/Fog Computing
- Cloud/Fog Communications and Networking
- Smart Robot Technologies

### **WIRELESS NETWORKS, & NETWORK SECURITY**

- Future Network architecture for IoT
- Transmission Optimization
- SDN/NVF for Wireless Networks
- Resource Management for Wireless Networks
- AI Technology for Wireless Network
- Access Control in Wireless Networks
- Blockchain Technology for IoT
- Privacy Preserving Mobile Computing
- Security Protection in Space Information Networks
- Trust Management in Wireless Networks

## **Paper Submissions**

---

Please submit an electronic copy of your original **full manuscript** (not to exceed 6 double-column IEEE formatted pages, including figures, tables, and references) to: <https://edas.info/chair.php?c=27085>

Please clearly indicate the corresponding author. Include up to 6 keywords from the above list and an abstract of no more than 350 words. Papers must be submitted in PDF format only via the above EDAS portal. For more information, visit the conference website: <http://comcomap.net/2020/>

If you have any questions about paper submissions or the program, please contact any of the listed Program Chairs.

# Organizing Committee

---

## **Honorary General Chairs:**

- Yunjie Liu, Beijing University of Posts and Telecommunications, China
- Feng Wu, University of Science and Technology of China, China

## **General Chairs:**

- Song Guo, Hong Kong Polytechnic University, China
- Mohsen Guizani, Qatar University, Qatar

## **Technical Program Chairs:**

- Asoke Kumar Nandi, Brunel University, UK
- Haipeng Yao, Beijing University of Posts and Telecommunications, China
- Kaiping Xue, University of Science and Technology of China, China

## **Local Organization Chairs:**

- Yongli Zhao, Beijing University of Posts and Telecommunications, China
- Xiuquan Qiao, Beijing University of Posts and Telecommunications, China

## **Track Chairs:**

### **Antennas and Microwave/mmWave/THz Devices/Circuits**

- Steven Gao, University of Kent, UK
- Pascal Lorenz, Haute-Alsace, France
- Yingsong Li, Harbin Engineering University, China

### **IoT Services and Applications:**

- Guoliang Xue, Arizona State University, USA
- Guangjie Han, Hohai University, China

### **Wireless Communications, Smart Systems, Cloud/Fog & Big Data**

- Xiaofei Wang, Tianjing University, China
- Xianbin Wang, University of Western Ontario, Canada

### **Wireless Networks and Network Security**

- Xiaojiang Du, Temple University, USA
- Nadra Guizani, Washington State University, USA

## **Publicity Chairs:**

- Fangmin Xu, Beijing University of Posts and Telecommunications, China
- Maozhen Li, Brunel University, UK

## **Publication Chair:**

- Jalel Ben-Othman, Université de Versailles, France

## **Registration Chair:**

- Abderrezak Rachedi, University of Paris-EST, France

**Note:** Accepted and presented technical papers will be submitted to IEEE Xplore and Compendex. In addition, high quality papers will be invited to be submitted to one of 5 Journal Special Issues:

- 1) *International Journal of Antennas and Propagation Journal*
- 2) *International Journal of Information Technology, Communications and Convergence Journal*
- 3) *Peer to Peer Networking & Applications Journal*
- 4) *Journal of Network and Computer Applications Journal*
- 5) *International Journal of Distributed Sensor Networks Journal*

## **TPC Members (Preliminary List):**

---

- ✚ Cheng Li, Memorial University, Canada
- ✚ Cheng-Xiang Wang, Heriot-Watt University, United Kingdom
- ✚ Cong Shen, University of Virginia, USA
- ✚ Dan Wang, Hong Kong Polytechnic University, Hong Kong, China
- ✚ Dongfeng Yuan, Shandong University, China
- ✚ Dusit Niyato, National Technological University, Singapore
- ✚ Fei Xing, Software Engineer, WNBU, Cisco Systems, USA
- ✚ Feng She, Alcatel Shanghai Bell, China
- ✚ Georgios Tsiropoulos, National Technical University of Athens, Greece
- ✚ Hancheng Lu, University of Science and Technology of China, China
- ✚ Hongmei Zhang, Guilin University of Science and Technology, China
- ✚ Jianqing Liu, University of Alabama in Huntsville, USA
- ✚ Jianwei Huang, China
- ✚ Jie Gao, Marquette University, USA
- ✚ Jun Cai, University of Manitoba, Canada
- ✚ Lei Shu, Osaka University, Japan
- ✚ Limei Peng, SooChow University, China
- ✚ Min Chen, Korea University, Korea
- ✚ Neeraj Kumar, Thapar Institute of Engineering and Technology, India
- ✚ Ping Wang, National Technological University, Singapore
- ✚ Ruidong Li, NICT, Japan
- ✚ Sai Mounika Errapotu, University of Texas at El Paso
- ✚ Song Ci, University of Nebraska, Omaha, USA
- ✚ Shahid Mumtaz, Instituto de Telecomunicações, Portugal
- ✚ Ting Zhu, University of Massachusetts Amherst, USA
- ✚ Wang Wei, South Dakota State University, USA
- ✚ Xiaoyi Wang, NSN – US/Arlington Heights, USA
- ✚ Weidong Xiang, University of Michigan Dearborn, USA
- ✚ Wei-Jen Chen, Pen State University, USA
- ✚ Xiaole Bai, University of Massachusetts Dartmouth, USA
- ✚ Xiaoming Chen, Zhejiang University, China
- ✚ Xingcheng Liu, Sun Yat-Sen University, China
- ✚ Yafei Yang, Qualcomm Ltd., USA
- ✚ Yinggang Du, Huawei, China

- ✦ Yun Li, Chongqing University of post and telecommunications, China
- ✦ Yushen Ji, National Institute of Informatics, Japan
- ✦ Zhiquan Bai, Shandong University, China
- ✦ Ying Li, Beihang University, China
- ✦ Hao Sheng, Beihang University, China
- ✦ Zhangbing Zhou, China University of Geosciences, China
- ✦ Guangjie Han, Hohai University, China
- ✦ Jianwei Niu, Beihang University, China
- ✦ Long Cheng, Beihang University, China
- ✦ Li Xiong, Beihang University, China
- ✦ Christos Antonopoulos, Thessaloniki
- ✦ Takahiro Aoyagi, Japan
- ✦ Samel Arslanagic, Denmark
- ✦ Vicente Boria, Spain
- ✦ Feifei Gao, China
- ✦ Xiuying Zhang, China
- ✦ Xiaodong Chen, UK
- ✦ Yan Long, Southwest University, China
- ✦ Richard Langley, UK
- ✦ Qiang Chen, Japan
- ✦ Fan Yang, China
- ✦ Richard Ziolkowski, USA
- ✦ Yajie Li, Beijing University of post and telecommunications, China
- ✦ Bowen Chen, Soochow University, China
- ✦ Zhou Su, Xian Jiaotong University, China