



# The 35<sup>th</sup> International Conference on Information Networking (ICOIN 2021)

January 13-16, 2021 | Jeju Island, Korea & Virtual Conference



## CALL FOR PAPERS

### Introduction

The 35th International Conference on Information Networking (ICOIN) will take place in Jeju island, Korea & virtual conference, which is organized by Korea Institute of Information Scientists and Engineers (KIISE) and technically co-sponsored by IEEE and IEICE. It has been 35 years since ICOIN originally started under the name of Joint Workshop on Computer Communication in 1986. In past fifty years, computer communication and networking technologies have changed every aspect of our lives and societies. While computer networks have contributed largely to the current IT advancement, it will play a key role in new IT paradigms such as IoT and cloud computing and will be applied to various areas of the upcoming society including industry, business, politics, culture, medicine and so on. ICOIN is the most comprehensive conference focused on the various aspects of advances in computer communication and networking technologies. The main purpose of ICOIN 2021 is to improve our research by achieving the highest capability and encourage open discussions on computer communication and networking technologies. Authors are invited to submit original unpublished manuscripts that demonstrate recent advances in computer communications, wireless/mobile networks, and converged networks in the theoretical and practical aspects.

### Major Topics

Areas of interest include, but are not limited to:

- 5G/6G cellular systems and heterogeneous networks
- Ad-hoc and sensor networks
- Artificial intelligence (AI) and autonomous networking
- Big data/Cloud computing and networks
- Blockchain platforms and services
- Cognitive radio, cooperative communication and networking
- Content distribution networks (CDN)
- Contents/Information-centric networks (CCN/ICN)
- Cross-layer design and optimization
- Cyber-physical system (CPS)
- Delay/Disruption tolerant network (DTN)
- Energy-efficient protocols and green networks
- Future Internet and future networks
- Industrial networks and smart factory
- Internet and web-based database applications
- Internet of things (IoT)
- Machine learning and networking
- Mobile Edge Computing
- Network performance analysis and evaluation
- Network security, trust and privacy
- Network simulation and modeling
- Network survivability and reliability
- Network traffic management
- OS and middleware support for networking
- Peer-to-peer (P2P)/Overlay networks

- Pricing and billing
- QoS and resource management
- Routing, switching, and addressing
- Social computing and networks
- Software-defined networking (SDN) and network virtualization
- Vehicle-to-everything (V2X) and autonomous cars
- VR/AR Streaming
- Wireless/mobile networks

### Selected Journal Publication

Accepted and presented papers will be published in the ICOIN 2021 Conference Proceedings. Also extended versions of selected papers will be published in the following international journals as a special issue or section for the ICOIN 2021.

- Wireless Personal Communications (SCIE)
- International Journal of Distributed Sensor Networks (SCIE)
- Journal on Internet Technology (SCIE)
- Mobile Information System (SCIE)
- Sensors (SCIE)

### Submission and Publication

Authors are invited to submit a full paper (5~ 6 pages) or a short paper (3~4 pages) electronically as PDF files using the IEEE conference template which are available at <https://www.ieee.org/conferences/publishing/templates.html>. The link for paper submission through EDAS is <http://edas.info/N27471>. All submitted papers are subject to peer reviews by Technical Program Committee members. All accepted papers for presentation in the conference will appear in the proceedings of ICOIN 2021. There will be Best Paper Awards for outstanding contributed papers. More details about the submission and publication process including formatting instructions will be available at the conference website, <http://www.icoin.org>.

### Important Dates

- Paper Submission Due **October 16, 2020[Final]**
- Acceptance Notification **November 16, 2020**
- Camera-ready Due **November 27, 2020**
- Conference Dates **January 13-16, 2021**

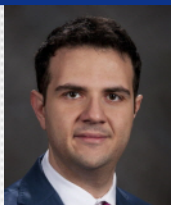
### Important Notice: Change of Conference Venue

With the reference to our earlier announcement, the ICOIN 2021 which was originally scheduled be held in Bangkok, Thailand, will be finally held in Jeju Island, Korea. The organizing committee for ICOIN 2021 have decided to host the conference partially virtual for those who cannot attend due to the COVID-19.

### Keynote Speakers



**Zhu Han**  
University of Houston, USA



**Walid Saad**  
Virginia Tech, USA



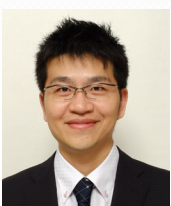
**Kwang-sue Chung**  
Kwangwoon University, Korea



**Chuck Yoo**  
Korea University, Korea



**Max Welling**  
University of Amsterdam, Netherlands



**Mianxiong Dong**  
Muroran Institute of Technology, Japan

### Tutorial Speakers



**Andreas Molisch**  
University of Southern California, USA



**Mehdi Bennis**  
University of Oulu, Finland



**Dusit (Tao) Niyato**  
Nanyang Technological University, Singapore



**David A. Mohaisen**  
University of Central Florida, USA

### CONTACT INFORMATION

If you have any questions about the CFP and papers submission, please send any inquiry to TPC Chair: Prof. Sang-Chul Kim ([sckim7@kookmin.ac.kr](mailto:sckim7@kookmin.ac.kr)).

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