

<http://ictc.org>

<http://www.ictc2018.org>

ICTC 2018 THE 9TH INTERNATIONAL CONFERENCE ON ICT CONVERGENCE

“ICT Convergence Powered by Smart Intelligence”

October 17-19, 2018 | Maison Glad Jeju, Jeju Island, Korea

Early Registration Deadline: October 7, 2018

ICTC is a unique global premier event for researchers, industry professionals, and academics, organized by KICS, Korea, with the technical co-sponsorship of IEEE and IEICE, which aims at interacting with and disseminating information on the latest developments in the emerging industrial convergence centered around the information and communication technologies.

KEYNOTE SPEECHES

“Smart Healthcare”

Prof. Tomoaki Ohtsuki, Keio University, Japan

“5G is reality – Transforming Lives and Industries”

Prof. Kyungwhoon Cheun, Head of R&D, Networks Business, Samsung Electronics Co., Ltd, Korea

“Trends and Challenges for Internet of Things”

Prof. Joel J.P.C. Rodrigues, National Institute of Telecommunications (Inatel), Brazil

“Quantifying Communications Quality: QoS, QoE and QoI”

Prof. Nikil Jayant, Emeritus Chaired Professor, Georgia Institute of Technology, USA. & Adjunct Professor, University of California at Santa Barbara, USA.

BANQUET SPEECH

“How Brain Science can help Artificial Intelligence or Information Technology?”

Prof. Zang-Hee Cho, Endowed Chair Professor & Director, Neuroscience Research Institute, Suwon University, Korea & Advanced Institutes of Convergence Technology, Seoul National University, Korea

PAPER SESSIONS

- Advanced Wireless & Mobile Communication Systems and Infrastructure 1
- Big Data and Smart Computing 1
- u-Healthcare Systems, and Bio- informatics & Its Applications 1
- Information & Communication Theory, and Their Applications 1
- Internet of Things (IoT), Internet of Everything (IoE), Web of Objects (WoO)
- Systems, Services and Applications for ICT Convergence 1
- Artificial Intelligence and Machine Learning 1
- 5G, 4G, LTE, LTE-Advanced, WLAN, WPAN, WBAN 1
- Information & Communication Theory, and Their Applications 2
- Advanced Wireless & Mobile Communication Systems and Infrastructure 2
- Vehicular Information and Communication Technologies 1
- 5G, 4G, LTE, LTE-Advanced, WLAN, WPAN, WBAN 2
- SDN and Network Virtualization
- Signal and Image Processing 1
- Artificial Intelligence and Machine Learning 2
- u-Healthcare Systems, and Bio- informatics & Its Applications 2
- Advanced Communication Networks and Future Internet Technologies 1
- Signal and Image Processing 2
- Vehicular Information and Communication Technologies 2
- Smart Cities
- Advanced Communication Networks and Future Internet Technologies 2
- Military and Defense Technologies
- Systems, Services and Applications for ICT Convergence 2
- Big Data and Smart Computing 2
- 5G, 4G, LTE, LTE-Advanced, WLAN, WPAN, WBAN 3
- Information & Communication Theory, and Their Applications 3
- Encryption and Security for ICT Convergence

WORKSHOP SESSIONS

- ICTC2018-Invited
- WS: Internet Infrastructure
- WS: Advances in ICT Education Workshop
- WS: Human Interaction on Smart Mobility
- WS: Advances in Convergence of ICT and Brain Science for better health Workshop 1
- WS: Wearable Technologies for Smart Applications
- WS: Advances in Convergence of ICT and Brain Science for better health Workshop 2
- WS: Intelligent Immersive Media Communications Workshop
- Quantum Information ITRC Track
- WS: IoE Data Workshop 1
- WS: Emerging Solutions for 5G and Beyond 5G Workshop
- WS: IoE Data Workshop 2

Organized by KICS

Technically Co-Sponsored by IEEE ComSoc, IEICE-CS

Patronized by ETRI, KOFST, Samsung Electronics, LG Electronics, HUAWEI, Ericsson-LG, SK telecom, KT, POSCO ICT, GSI, National Instruments, InterDigital, Multi Screen Service Forum, Society Safety System Forum, KOREA IETF FORUM, Jeju DVB, Jeju Special Self-Governing Province, Sensors

INDUSTRIAL SESSIONS

“(Mis)understanding humans: Natural language understanding in ICT industry”

Dr. Yu-Sung Chang, Senior Vice President (SK Telecom)

“Impact of IoT on Industry 4.0.”

Mr. Soumya Kanti Datta, Research Engineer (Eurecom)

“5G is Now, Together, Creating a Better Future”

Dr. Richard Lixiaojun (李晓骏) (Huawei), Head of Huawei 5G E2E Solution Department, Korea&Japan

“Nokia 5G Vision and Execution”

Dr. Bong Youl (Brian) Cho (NOKIA), Head of Radio Product Management for Asia Pacific and Japan, Mobile Networks, Nokia

“Turn on 5G and Accelerate IoT”

Dr. Youngjoon Kim (Ericsson-LG), Head of R&D

SPECIAL SESSIONS

Special Session 1: 5G Technology

“PoCs and Challenges of Moving Wireless Backhaul for 5G and Beyond”

Dr. Hyun Kyu Chung, Research Fellow Electronics and Telecommunications Research Institute(ETRI), Korea

“Wireless Evolution Towards 5G”

Prof. Fumiyuki Adachi, Tohoku University, Japan

“5G and the factories of the future”

Prof. Klaus Moessner, 5G Innovation Centre (5GIC), United Kingdom

Special Session 2: Caching and computing for IoT and IoE networks

“Interference-aware edge caching: From fundamental limits to practical designs”

Dr. An Liu, Distinguished Research Fellow, Zhejiang University, China

“Caching in HetNets: Throughput-delay trade-off perspective”

Prof. Sang-Woon Jeon, Assistant Professor, Hanyang University, Korea

“Information theoretic caching”

Dr. Sung Hoon Lim, Principle Researcher, KIOST, Korea

Special Session 3: A.I. and Machine Learning

“Selective Inference for Unsupervised Learning and Its Application to Heterogeneous Biomedical Data Analysis”

Prof. Ichiro Takeuchi, Nakoya Institute of Technology, Japan

“Fully Convolutional Pixel Adaptive Image Denoiser”

Prof. Taesup Moon, Sungkyunkwan University, Korea

“Machine learning for communication systems”

Prof. Jun Won Choi, Hanyang University, Korea

Special Session 4: 5G Systems and Services

“Leading 5G Trials to Commercial Reality”

Dr. Sungho Cho, SKT, Korea

“Status of 5G technologies and services for commercialization in KT”

Dr. Jemin Chung, KT, Korea

“TBD”

TBD

Special Session 5: Innovations and Trends at Edges

“FogOS: Towards a New Edge Computing Architecture”

Prof. Yung Yi, KAIST, Korea

“Related to Edge Computing”

Dr. Nakjung Choi, Nokia Bell Lab,

“A service application platform over IoT blockchain”

Jae-Hoon Kim, Ajou University, Korea

Special Session 6: Industrial IoT

“Towards Realization of Long-Range Wireless Powered Sensor Networks”

Prof. Kae Won Choi, Sungkyunkwan University, Korea

“Introduction of mmWave Moving Network”

DDr. Ilkyu Kim, Electronics and Telecommunications Research Institute(ETRI), Korea

“Future of smart manufacturing”

Dr. Soon-youll Lee, Sr Director, KPMG, Korea

ICTC 2018 Secretariat

e-mail: ictc@kics.or.kr | Tel: +82-2-3453-5555 (Ext.7) | Fax: +82-2-539-5588

For registration, please visit www.ictc.org