

iCTC 2018

iCTC Convergence Symposium

“ICT Convergence Powered by Smart Intelligence”

October 17-19, 2018

Maison Glad Jeju, Jeju Island, Korea



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Patrons



October 17th (Wednesday), 2018

Special Session I : Enabling Technologies for 5G

Crystal Hall 1

09:00-10:40



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

Plenary Session I : Keynote Speeches

Convention Hall, 1st Floor

11:10-12:30



5G is reality – Transforming Lives and Industries

Dr. Kyungwhoon Cheun

Executive Vice President, Head of R&D, Networks Business, Samsung Electronics Co., Ltd, Korea



Smart Healthcare

Prof. Tomoaki Ohtsuki

Keio University, Japan

Industrial Session I : AI and IoT in Industry 4.0

Convention Hall, 1st Floor

14:00-15:30



(Mis)Understanding Humans: Natural Language Understanding in ICT Industry

Dr. Yu-Sung Chang

Senior Vice President, SK Telecom, Korea



Impact of IoT on Industry 4.0

Mr. Soumya Kanti Datta

Research Engineer, Eurecom, France



Cognitive Thinking Machine (CybreBrain) to lead The 4th Industrial Revolution

Mr. O.K. Baek

Research Fellow/ former IBM Architect, ETRI, Korea

Special Session II : Caching and Computing for IoT and IoE networks

Crystal Hall 1

16:00-17:40



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

Assitant Professor, Hanyang University, Korea



Information Theoretic Caching

Dr. Sung Hoon Lim

Principle Researcher, KIOST, Korea

October 18th (Thursday), 2018

Special Session III : AI and Machine Learning

Crystal Hall 1

08:30-10:10



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 IV : 5G Systems and Services

Crystal Hall 1

10:30-12:10



Leading 5G Trials to Commercial Reality

Dr. Sungho Jo

Senior Director, Network R&D Center, SKTelecom, Korea



Status of 5G Technologies and Services for Commercialization in KT

Dr. Jemin Chung

Senior Principal Research Engineer, KT, Korea



Trends of 5G Standard in 3GPP

Mr. Ki Bum Kwon

General Manager of Standard Research Office in ITL, Korea

Industrial Session II : 5G toward Industry 4.0

Convention Hall, 1st Floor

13:40-15:00



5G is Now, Together, Make 5G Commercial Success

Dr. Richard Lixiaojun

Head of Huawei 5G E2E Solution Department, Huawei Korea&Japan, China



Nokia 5G Vision and Execution

Dr. Bong Youl (Brian) Cho

Head of Radio Product Management for Asia Pacific and Japan, Mobile Networks, Nokia, Finland



Turn on 5G and Accelerate IoT

Dr. Youngjoon Kim

Head of R&D, Ericsson-LG, Korea

Plenary Session II : Keynote Speeches & ICT Express Best Paper Award Presentation

Convention Hall, 1st Floor

15:30-17:40



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



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.



Non-Invasive Bioelectronics: Going Beyond Today's Wearables (ICT Express Best Paper)

Prof. Alex Casson

University of Manchester, UK



October 19th (Friday), 2018

Special Session V : Innovations and Trends at Edges

Crystal Hall 1

08:30-10:10



FogOS: Towards a New Edge Computing Architecture

Prof. Yung Yi

KAIST, Korea



Edge Networking and Orchestration Platform for E2E Network Slicing

Dr. Nakjung Choi

Nokia Bell Lab., USA



A Service Application Platform over IoT Blockchain

Prof. Jae-Hoon Kim

Ajou University, Korea

Special Session VI : Industrial IoT

Crystal Hall 1

10:30-12:10



Towards Realization of Long-Range Wireless Powered Sensor Networks

Prof. Kae Won Choi

Sungkyunkwan University, Korea



Introduction of mmWave Moving Network

Dr. Ilkyu Kim

Electronics and Telecommunications Research Institute (ETRI), Korea



Future of Smart Manufacturing

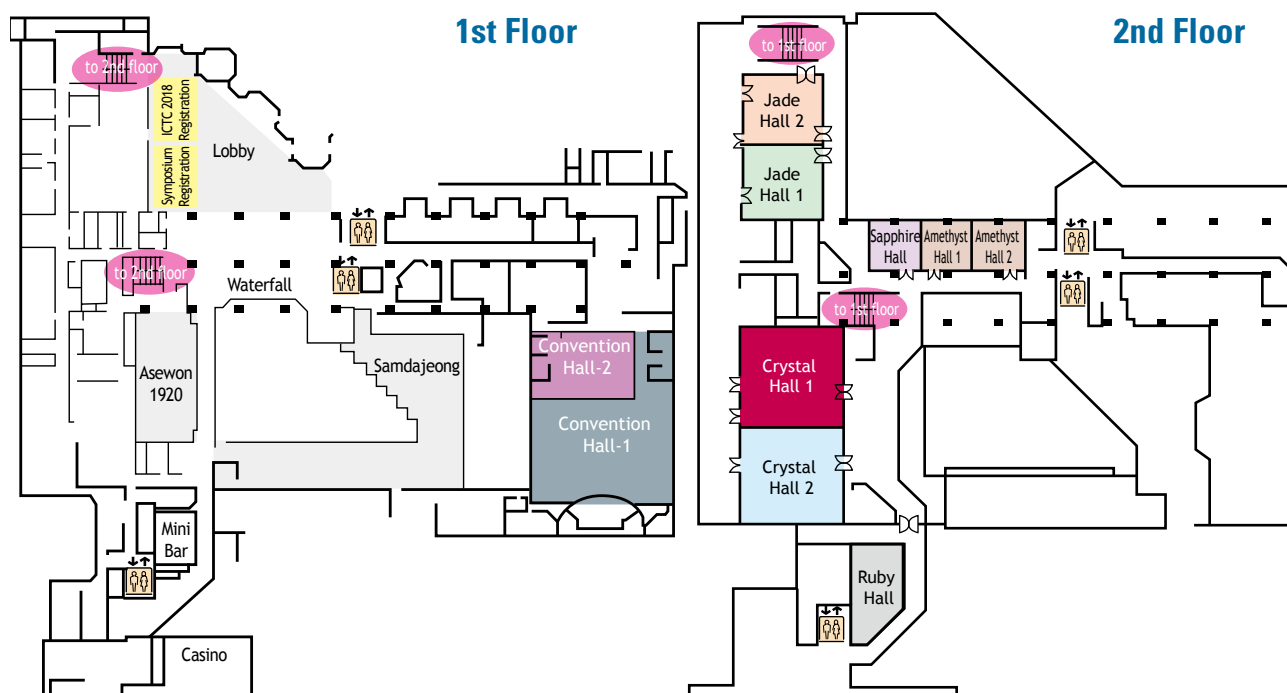
Dr. Soon-young Lee

Senior Director, KPMG, Korea

Maison Glad Jeju

1st Floor

2nd Floor



Speakers' bios and summaries are available at www.ictc.org