

ICTC 2024															
October 16th (Wednesday)															
Room	Ramada Ballroom1	Ramada Ballroom2	Ramada Ballroom3	Ramada Ballroom4	Mara Room	Biyang Room	Udo Room	Chuja Room	Lobby	Tamna Room	Halla Room	Ora Room	Ara Room	Lobby	
8:00~17:00	Registration (2F Lobby)														
Floor	2F									8F					
09:00~10:30 (90min)	<div>SPC Special Session I: Recent progress in B5G/6G wireless communications</div> <div>Chair: Prof. Seung Hyun Jeon (Daejeon Univ., Korea)</div> <div><div>Invited Talk 1: Chunguo Li, Professor, National Mobile Communications Research Laboratory, Southeast University, "Over-the-Air Channel Calibration Towards 6G systems"</div><div>Invited Talk 2: Taehyoung Kim, Assistant Professor, Kookmin University, "Evolution of duplex operation for 5G-Advanced"</div><div>Invited Talk 3: Alaelddin F. Y. Mohammed, Assistant Professor, Dongshin University, "Innovative Bandwidth Allocation in Passive Optical Networks to support Federated Learning"</div></div>	A1	B1	C1	D1	E1	F1	G1	H1						
		AI in Computer Vision and Image Processing Prof. Joongheon Kim (Korea University, Korea)	Machine Learning 1 Prof. DoHyun Kim (Jeju Nat'l University, Korea)	Networks 1 Prof. Hyosu Kim (Chung-Ang University, Korea)	Algorithms 1 Prof. Soyi Jung (Ajou University, Korea)	ICTC Workshop on 3D Communication Networks (IW3CN) Prof. Jihwan Choi (Korea Advanced Institute of Science & Technology, Korea)	ICTC Workshop on Artificial Intelligence and Applications (IWAIA) 1 Prof. Dong Seog Han (Kyungpook Nat'l University, Korea)	ICTC Workshop on 6G STAR-MAC (IW6STAR) Prof. Sunghyun Cho (Hanyang University, Korea)	AI Poster 1 Dr. Joo Yong Shim (Korea University, Korea)						
10:30-10:50	Coffee Break														
10:50~12:20 (90min)	<div>Industrial Session I</div> <div>Chair: Dr. Tae Yeon Kim (ETRI, Korea)</div> <div><div>Invited Talk 1: Italo Busi, Principal Optical Transport Network Research Engineer, Huawei, "From Automation to Autonomous: Intelligence in Optical Networks Management"</div><div>Invited Talk 2: MoonKook Park, Director, Group Leader, Mobigen, "End-to-End Service Innovation through Autonomous Network Federation in heterogeneous 5G/6G networks"</div><div>Invited Talk 3: Zoran Utkovski, Senior Research Scientist, Head of Smart Wireless Connectivity Group, Fraunhofer Heinrich Hertz Institute Berlin, "Next Generation Communication, Sensing and Computation for Edge Intelligence"</div></div>	A2	B2	C2	D2	E2	F2	G2	H2	I2	J2	K2	L2		
		AI Application Prof. Soyi Jung (Ajou University, Korea)	Machine Learning 2 Prof. DoHyun Kim (Jeju Nat'l University, Korea)	Convergence 1 Prof. Sangmi Lee (Korea University, Korea)	Mobility 1 Prof. Sang-Woon Jeon (Hanyang University, Korea)	ICTC Workshop on Intelligent Secure Underwater Communication Technology (IWINSECT) Prof. Namyoon Lee (Korea University, Korea)	ICTC Workshop on Artificial Intelligence and Applications (IWAIA) 2 Prof. Dong Seog Han (Kyungpook Nat'l University, Korea)	Tutorial 1 Prof. Hwanjin Kim (Kyungpook Nat'l University, Korea)	Poster Session 1 Prof. Sunghyun Cho (Hanyang University, Korea)	S6GC General Session I: 6G Radio and Components Dr. Jung Hwan Hwang (Electronics & Telecommunication Research Institute, Korea)	ICTC WORKSHOP OF BIG DATA and 5G&6G COMMUNICATION N NETWORKS (IWBNCN) 1 Prof. Woongsoo Na (Kongju Nat'l University, Korea)	S6GC General Session II: 6G NTN Dr.JunHwan Lee (Electronics & Telecommunication Research Institute, Korea)	ICTC 2nd Workshop on Native AI for B5G and 6G (IWNA) Prof. Seung-Woo Ko (Inha University, Korea)		
12:20~13:40	Lunch														
13:40~15:10 (90min)	<div>SPC Special Session II: Innovation for ICT convergence</div> <div>Chair: Prof. Hyunbum Kim (Incheon National Univ., Korea)</div> <div><div>Invited Talk 4: Sang-Hoon Jeon, Assistant Professor, The University of Suwon, "Cascade Windows-based Multi-stream Convolutional Neural Networks Framework for Early Detecting In-Sleep Stroke using Wristbands"</div><div>Invited Talk 5: KaiLin Wan, Senior Director, Chang-an Auto, Ltd., "Thoughts And Practices On The Commercial Implementation Of Intelligent Driving"</div><div>Invited Talk 6: Paolo Bellavista, Professor, University of Bologna, "Cloud Continuum Digital Twins for Industry 5.0 Apps: the Ultra-Low-Latency Challenge"</div></div>	A3	B3	C3	D3	E3	F3	G3	H3	I3	J3	K3	L3	P3	
		AI in Communication, Networks, and Satellite Systems Prof. Youn Kyu Lee (Hongik University, Korea)	Wireless 1 Prof. Taesoo Jun (Kumoh Nat'l Institute of Technology, Korea)	Convergence 2 Prof. Young-Chai Ko (Korea University, Korea)	IoT 1 Prof. Seung-Hoon Hwang (Dongguk University, Korea)	ICTC Workshop on Vehicle Edge & Cloud Computing (IWVECC) Prof. Ji-Woong Choi (Daegu Gyeongbuk Institute of Science and Technology, Korea)	ICTC Workshop on AJOU 6G Research Center (IWA6GRC) Prof. Jae-Hyun Kim (Ajou University, Korea)	Tutorial 2 Dr. Sucheol Kim (Electronics & Telecommunication Research Institute, Korea)	Poster Session 2 Prof. Haejoon Jung (Kyung Hee University, Korea)	S6GC Opening Ceremony Dr. Namseok Ko (Electronics & Telecommunication Research Institute, Korea)	ICTC WORKSHOP OF BIG DATA and 5G&6G COMMUNICATION N NETWORKS (IWBNCN) 2 Prof. Laihyuk Park (Seoul Nat'l University of Science & Technology, Korea)	ICTC Workshop on Next Generation Channel Coding and Its Applications (IWNGCCA) Prof. Sang-Hyo Kim (Sungkyunkwan University, Korea)	ICTC Workshop on Quantum Internet (Special Session for ITRC, Korea University) Prof. Jun Heo (Korea University, Korea)	ICTC Workshop on ETRI Human Understanding AI Paper Challenge (IWETRIAI) Dr. Hyun-Tae Jeong (Electronics & Telecommunication Research Institute, Korea)	
15:10-15:30	Coffee Break														
15:30~17:00 (90min)	<div>Plenary Session I: Opening Ceremony and Keynote Speeches (Ramada Ballroom1)</div> <div>Chair: Prof. Kwang Soon Kim (Yonsei Univ., Korea, TPC Chair of ICTC 2024)</div> <div><div>Opening Address: Prof. Seong-Ho Jeong, President of KICS</div><div>Congratulatory Address: Tomas Appelquist, CEO, Ericsson-LG</div><div>Keynote Speech 1: Okgee Min, Senior Vice President, ETRI, "Looking at next-generation artificial intelligence technology"</div><div>Keynote Speech 2: David Gesbert, Professor and Director of EURECOM, Sophia Antipolis, France, "Learning and sensing in the sky with UAV-aided 6G Networks"</div></div>														
	Coffee Break														
17:00~18:00	Banquet (Ramada Ballroom 1, 2, 3, 4)														
18:00~20:00 (120min)	<div>Welcome Address : Dr. Yongssoon Baek, OC Chair of ICTC 2024</div> <div>TPC Report : Prof. Kwang Soon Kim, TPC Chair of ICTC 2024</div> <div>Awards Ceremony</div> <div>Banquet Course</div>														

October 17th (Thursday)															
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8:00~17:00	Registration (2F Lobby)														
Floor	2F									8F					
08:30~10:00 (90min)	<div>SPC Special Session III: AI enables everything !</div> <div>Chair: Prof. Yong-Geun Hong (Daejeon Univ., Korea)</div> <div><div>Invited Talk 7: Burak Kantarci, Professor, University of Ottawa, "AI-Enabled Security and Safety of Critical Infrastructures for Beyond 5G"</div><div>Invited Talk 8: Jaek Jeong, Senior Researcher, ETRI, "Time-Varying Constraint-Aware Reinforcement Learning for Energy Storage Control"</div><div>Invited Talk 9: Rashid Ahmad, Assistant Professor, Sohar University, "Decentralized Federated Learning: Opportunities and Challenges"</div></div>	A4	B4	C4	D4	E4	F4	G4	H4	I4	J4	K4	L4	P4	
		AI Application 2 Prof. Joongheon Kim (Korea University, Korea)	Machine Learning 3 Prof. Junsu Kim (Tech University of Korea, Korea)	Networks 2 Prof. Sang Hyun Lee (Korea University, Korea)	Algorithms 2 Dr. Simeon Okechukwu Ajakwe (Kumoh Nat'l Institute of Technology, Korea)	ICTC workshop on ERC center (IWERC) Prof. Inkyu Lee (Korea University, Korea)	ICTC Workshop on Wireless Applications (IWWA) Prof. Seung-Hoon Hwang (Dongguk University, Korea)	Tutorial 3 Prof. Jeonghun Park (Yonsei University, Korea)	AI Poster 2 Dr. Joo Yong Shim (Korea University, Korea)	SCSS Technical Session 1 Prof. Jung Hoon Lee (Hankuk University of Foreign Studies, Korea)	S6GC Special Session I: 6G Fundamental Technology Festival Dr.JungSook Bae (Electronics & Telecommunication Research Institute, Korea)	ICTC WORKSHOP OF BIG DATA and 5G&6G COMMUNICATION N NETWORKS (IWBNCN) 3 Prof. Hyosu Kim (Chung-Ang University, Korea)	S6GC Special Session II: IITP Next Generation MAC and 3D Communication Technologies Dr. SungHo Choi (IITP,Korea)	S6GC Poster Session 1 Dr.Hoon Lee Dr.Seokwon Jang (Electronics & Telecommunication Research Institute, Korea)	
10:00-10:20	Coffee Break														
10:20~11:40 (80min)	<div>Plenary Session II: Keynote Speeches (Ramada Ballroom1)</div> <div>Chair: Prof. Dong Seog Han (Kyungpook National Univ., Korea)</div> <div><div>Keynote Speech 3: Chirag Patel, Director of Product Management, Globalstar, "Complementary Convergence: How Satellite and Terrestrial Address Challenges of Mobile and Fixed IoT Use Cases"</div><div>Keynote Speech 4: Robert W. Sumner, Adjunct Professor, ETH Zurich, "Fun is the Future"</div></div>														
	Lunch														
13:00~14:30 (90min)	<div>Industrial Session II</div> <div>Chair: Dr. Taesik Cheung (ETRI, Korea)</div> <div><div>Invited Talk 4: Seunghyun Lee, Principal Engineer, Samsung Research, Samsung Electronics, "Technical Evolution Towards 6G"</div><div>Invited Talk 5: Minjun Park, Senior Engineer, Hanwha Systems, "Virtual Integrated Operation Platform (VIPP) for UAM Flight Simulation"</div><div>Invited Talk6 : Nicola di Pietro, R&amp;I Engineer and Subsidized Project Specialist, Hewlett Packard Enterprise, "From cloud to edge: an industrial overview of private 5G deployments, solutions, and use cases"</div></div>	A5	B5	C5	D5	E5	F5	G5	H5	I5	J5	K5	L5	P5	
		Quantum and Reinforcement Learning Prof. Joongheon Kim (Korea University, Korea)	Wireless 2 Prof. Soo Young Shin (Kumoh Nat'l Institute of Technology, Korea)	Convergence 3 Prof. Yeonho Chung (Pukyong National University, Korea)	Mobility 2 Prof. Woongsoo Na (Kongju National University, Korea)	ICTC Workshop on Military Informatics (IWMIL) 1 Prof. Taesoo Jun (Kumoh Nat'l Institute of Technology, Korea)	ICTC Workshop on Emerging Topics in Machine Intelligence (IWETMI) Prof. Won-Yong Shin (Yonsei University, Korea)	ICTC Workshop on Communication, Sensing, and Perception for Unmanned Vehicles (IWCSUV) Prof. Igbafe Orikumhi (Hanyang University, Korea)	Poster Session 3 Prof. Hoki Baek (Kyungpook National University, Korea)	SCSS Openning Ceremony and Keynote Speeches Prof. Heejung Yu (Korea University, Korea)	S6GC General Session III: 6G RAN Dr. JungSook Bae (Electronics & Telecommunication Research Institute, Korea)	S6GC General Session IV: 6G Mobile Core Dr. Namseok Ko (Electronics & Telecommunication Research Institute, Korea)	S6GC Special Session III: IITP Radio Transmission, Access, and Post-OFDM technologies Dr. SungHo Choi (IITP,Korea)	S6GC Poster Session 2 Dr.Won Seok Han Dr.Minhyup Song (Electronics & Telecommunication Research Institute, Korea)	
14:30~14:50	Coffee Break														
14:50~16:20 (90min)	<div>SPC Special Session IV: Future Digital World</div> <div>Chair: Prof. Kyungsik Min (The Univ. of Suwon, Korea)</div> <div><div>Invited Talk 10: Jalel Ben-Othman, Full Professor, University of Paris-Saclay, "Transforming Urban Mobility and Vehicle Security: Exploring ICT Advances in Smart City Networks"</div><div>Invited Talk 11: Sangkeum Lee, Assistant Professor, Hanbat National University, "AI-Driven Optimization of Sensor Networks for Carbon-Neutral Infrastructure: From Apartments to Factories and Seaports"</div><div>Invited Talk 12: Wonhyuk Lee, Director, KISTI, "The Introduction of Research Activities on implementing secure communication based on QKD"</div></div>	A6	B6	C6	D6	E6	F6	G6	H6	I6	J6	K6	L6	P6	
		Convergence of AI and 6G (ITRC 6G) Prof. Sooyoung Jang (Hanbat National University, Korea)	Machine Learning 4 Prof. Laihyuk Park (Seoul Nat'l University of Science & Technology, Korea)	Convergence 4 Prof. Igbafe Orikumhi (Hanyang University, Korea)	IoT 2 Prof. Jaehoon Jeong (Sungkyunkwan University, Korea)	ICTC Workshop on Military Informatics (IWMIL) 2 Prof. Jaemin Lee (Kumoh Nat'l Institute of Technology, Korea)	ICTC Workshop on Emerging Topics in Wireless Communications (IWETWC) Prof. Jun Won Choi (Seoul Nat'l University)	ICTC Workshop on Information and Communication Strategic Technology for Industry Convergence (IWCIST) Prof. Yeonho Chung (Pukyong National University, Korea)	Poster Session 4 Prof. Yonggang Kim (Kongju National University, Korea)	SCSS Technical Session 2 Dr. Pansoo Kim (Electronics & Telecommunication Research Institute, Korea)	S6GC General Session V: 6G Commercialization R&D Dr. Tae Yeon Kim (Electronics & Telecommunication Research Institute, Korea)	ICTC Workshop on Access Technology, Softwarezation, and Ingelligence in Open RAN (IWORAN) Prof. Dong Ku Kim (Yonsei University, Korea)	S6GC Special Session IV: IITP Radio Access and MIMO Technologies Dr. SungHo Choi (IITP,Korea)	SCSS Poster Session 1 Prof. Hu Jin (Hanyang University) Prof. Hyowon Kim (Chungnam National University)	
16:20~16:40	Coffee Break														
16:40~18:00 (80min)	<div>Plenary Session III: Keynote Speeches (Ramada Ballroom1)</div> <div>Chair: Prof. Woongsoo Na (Kongju National Univ., Korea)</div> <div><div>Keynote Speech 5: Wootae Kim, Vice President, KT Network R&amp;D Lab, "AI-Driven Network Operations with Cloud-native Network"</div><div>Keynote Speech 6: Bernhard Niemann, Director Communication Systems Division, Fraunhofer IIS, "Our path to 6G: Fraunhofer Lighthouse Project 6G SENTINEL"</div></div>														

October 18th (Friday)															
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8:00~10:30	Registration (2F Lobby)														
Floor	2F									8F					
08:30~10:00 (90min)	<div>SPC Special Session V: AI, data and related enabler</div> <div>Chair: Giacomo Inches (Martel Innovate, Switzerland) Adam Kapovits (Eurescom, Germany)</div> <div><div>Invited Talk 13: Rui Luis Andrade Aguiar, Head of Networks and Services, Instituto de Telecomunicações / Universidade de Aveiro, "Research Opportunities for the future smart society"</div><div>Invited Talk 14: Mr. Jordi Guizarro, Principal Cloud-Edge Ecosystem Manager, OpenNebula Systems "Why is Europe investing in a sovereign edge cloud?"</div><div>Invited Talk 15: JeongGil Ko, Professor, Yonsei University, "Migrating the Intelligence from the Cloud to Users"</div><div>Invited Talk 16: Song JaeSeung, Professor, Sejong University, "Enabling common service functions for AI to standardized IoT platforms"</div></div>	A7	B7	C7	D7	E7	F7	G7	H7				K7	L7	
		Innovations in Nonlinear Theory and Smart Communications Prof. Mikio Hasegawa (Tokyo University of Science, Japan)	Machine Learning 5 Prof. Jung Hoon Lee (Hankuk University of Foreign Studies, Korea)	Wireless 3 Prof. Seung-Chan Lim (Hankyong Nat'l University, Korea)	Networks 3 Prof. Jaehoon Jeong (Sungkyunkwan University, Korea)	ICTC Workshop on 6G Core Network (IW6GN) Prof. Yun Won Chung (Soongsil University, Korea)	ICTC Workshop on AI-native 6G (IW6AI) Prof. Saewoong Bahk (Seoul Nat'l University, Korea)	ICTC Workshop on Next-generation vRAN for Industrial Applications (IwVRAN) 1 Prof. Seong-Lyun Kim (Yonsei University, Korea)	Poster Session 5 Prof. Sungtek Kahng (Incheon Nat'l University)						
10:00-10:20	Coffee Break														
10:20~11:50 (90min)	<div>SPC Special Session VI: Enabling AI Technologies to Smart City</div> <div>Chair: Franck Le Gall (EGM, France)</div> <div><div>Invited Talk 17: Antonio Kung, Executive board, Trialog, "Impact of the evolution of standards on the civtense"</div><div>Invited Talk 18: Monique Calisti, CEO, Martel, "Next Generation Sustainable Smart Cities"</div><div>Invited Talk 19: Chandra Challagonda, CEO, FIWARE Foundation, "Building Fair and Inclusive AI: Harnessing Global Data Spaces for Collaborative Training"</div><div>Invited Talk 20: Jeonghyeok PARK, General Manager, K-water(Korea Water Resources Corporation), "Augmented Cities, Enhanced Capabilities: Improving QoL through Digital Twins"</div></div>	A8	B8	C8	D8	E8	F8	G8	H8				K8	L8	
		ICTC Workshop on Satellites & Radars Radio Technologies (IWSRRT) Prof. Sungtek Kahng (Incheon Nat'l University)	Machine Learning 6 Prof. Sang Hyun Lee (Korea University, Korea)	Wireless 4 Prof. Seung-Chan Lim (Hankyong Nat'l University, Korea)	Convergence 5 Prof. Jung Hoon Lee (Hankuk University of Foreign Studies, Korea)	ICTC Workshop on Network Softwarezation (IWNNetSoft) Prof. Sangheon Pack (Korea University, Korea)	ICTC Workshop on 6G Research Initiative (IW6RI) Prof. Kyunghan Lee (Seoul Nat'l University, Korea)	ICTC Workshop on Next-generation vRAN for Industrial Applications (IwVRAN) 2 Prof. Seong-Lyun Kim (Yonsei University, Korea)	Poster Session 6 Prof. JaeYeon Park (Dankook University, Korea)						