

ICTC 2025								
October 14th (Tuesday)								
Room	Crystal 1	Crystal 2	Crystal 3	Charlotte	Pearl	Ruby	Emerald	Foyer
12:00~17:00	Registration							
	SPC Special Session I: 6G Radio Technologies Chair: Dr. Jungsook Bae (ETRI, Korea)	A01	B01	C01	D01	E01	F01	P01
13:10~14:40 (90min)	- Invited Talk 1: Chan-Byoung Chae, Underwood Distinguished Professor, Yonsei University, "The Tri-hybrid MIMO Architecture: From Theory to Prototype" - Invited Talk 2: Sofie Pollin, Professor, KU Leuven, "Massive Data-driven Integrated Communication and Sensing"	Wireless Communications 1 Yonggang Kim (Kongju National Univ.)	[AIPC] Vision-Language and Generative AI for Perception Joongheon Kim (Korea Univ.)	Special Session on Korea University WDM QKD Sunghyun Bae (Sejong Univ.)	Junior Faculty Session In-tae Hwang (Chonnam National Univ.)	Workshop on 6G Radio & Link Adaptation Sang-Woon Jeon (Hanyang Univ.)	Machine Learning 1 Hyejin S. Kim (ETRI)	[AIPC] Interactive Session 1 Youn Kyu Lee (Chung-Ang Univ.)
14:40~15:00	Coffee Break							
15:00~16:30 (90min)	Plenary Session I: Opening Ceremony and Keynote Speeches (Crystal 1) Chair: Prof. Byonghyo Shim (Seoul National University, Korea, TPC Chair of ICTC 2025) Opening Address: Prof. Jun Heo, President of KICS Congratulatory Address: Prof. Yukitoshi Sanada, President of IEICE-CS Keynote Speech 1: Myungh Joo Kim, Executive Director, Korea AISI (AI Safety Institute), "AI Safety Ecosystem for Successful AI Transition and Sustainable Growth" Keynote Speech 2: Joonsuk Kim, Executive Vice President, Samsung Electronics, "In-House Edge AI: Redefining Connectivity for the Hyper-Personalized Future"							
16:30~16:50	Coffee Break							
	SPC Special Session II: Non-Terrestrial Networks Chair: Prof. Hyowoon Seo (Sungkyunkwan Univ., Korea)	A02	B02	C02	D02	E02	F02	P02
16:50~18:20 (90min)	- Invited Talk 3: Sungtek Kahng, Professor and CEO, Incheon National University and Kangpelo Co., Ltd., "Satellite Non-Terrestrial Networks: past present and future challenges" - Invited Talk 4: Aryan Kaushik, Associate Professor, Manchester Met, UK, "6G Non-Terrestrial Networks for Ubiquitous Connectivity" - Invited Talk 5: Riccardo De Gaudenzi, Freelance consultant, "Satellite Non-Terrestrial Networks: past present and future challenges"	Wireless Communications 2 Jihoon Moon (Seoul National Univ.)	[AIPC] Explainable Language AI Seungcheol Oh (Korea Univ.)	ICTC Workshop on Intelligent 6G Systems Hoon Lee (UNIST)	ICT workshop of big data, CPs, and 5G&6G communication networks (IWBCN) I Woongsoo Na (Kongju National Univ.)	ICTC Workshop on Wireless Application Seung-Hoon Hwang (Dongguk Univ.)	ICT Convergence 1 Seunghyun Park (Hansung Univ.)	[Main Track] Interactive Session 2 Woo Sunpil (Hanbat National Univ.)
October 15th (Wednesday)								
Room	Crystal 1	Crystal 2	Crystal 3	Charlotte	Pearl	Ruby	Emerald	Foyer
08:00~17:00	Registration							
	SPC Special Session III: 6G Radio Technologies Chair: Prof. Wonjae Shin (Korea Univ., Korea)	A03	B03	C03	D03	E03	F03	P03
08:30~10:00 (90min)	- Invited Talk 6: Kaewon Choi, Professor, "Fundamentals and Trends of Integrated Sensing and Communication (ISAC) Technologies for 6G" - Invited Talk 7: Hatem-Abou Zaid, Professor, University of Calgary, "6G Foundation Models: The Next Frontier for AI-Native Networks"	Machine Learning 2 Insoo Sohn (Dongguk Univ.)	[AIPC] AI-Driven Resource Optimization and Time-Series Forecasting Soyi Jung (Ajou Univ.)	ICTC Workshop on Artificial Intelligence and Applications (IWAIA) Md. Abdul Latif Sarker (Kyungpook National Univ.)	ICTC Workshop on Open AI-RAN (IWORAN) I Dongku Kim (Yonsei Univ.)	ICTC Workshop on 3D communication networks (IW3DCN) Jihwan Choi (KAIST)	[SG6C]NTN Junhwan Lee (ETRI)	[AIPC] Interactive Session 3 Hyoosu Kim (Chung-Ang Univ.)
10:00~10:20	Coffee Break							
	SPC Special Session IV: 6G AI-native Networks Chair: Prof. Namyeon Lee (POSTECH, Korea)	A04	B04	C04	D04	E04	F04	P04
10:20~11:50 (90min)	- Invited Talk 8: Tony Quek, Associate Provost and Professor, Singapore University of Technology and Design, "From Theory to Practice in 6G AI-Native Network" - Invited Talk 9: Joongheon Kim, Associate Professor, Korea University, "Quantum Machine Learning: Algorithms and ICT Convergence Applications"	Wireless Communications 3 Hyun Jong Yang (Seoul National Univ.)	[AIPC] AI for Networks and Autonomous Systems Soyi Jung (Ajou Univ.)	ICTC Workshop on Artificial Intelligence and Applications (IWAIA) II MyungSun Baek (Sejong Univ.)	ICT workshop of big data, CPs, and 5G&6G communication networks (IWBCN) II Lailhyuk Park (Seoul National Univ. of Science and Technology)	ICTC Special Session on Network Softwareization Sangheon Pack (Korea Univ.)	[SG6C]Korea Telco 6G Jungsook Bae (ETRI)	[SG6C] Interactive Session 4 Hewon Cho (ETRI), Mingun Kim (ETRI)
11:50~13:10	Lunch							
	Industrial Session I Chair: Prof. Hyosu Kim (Chung-Ang Univ., Korea)	A05	B05	C05	D05	E05	F05	P05
13:10~14:40 (90min)	- Invited Talk 11: Yun Hong Ju, Executive Solution Manager, Huawei Korea, "Mobile AI Era, Building Intelligent Connection to Enable AI Everywhere" - Invited Talk 12: Sunghye Yun, Co-Founder & CTO, EruBio, Inc., "Convergent AI Innovation - From Protein Folding Breakthroughs to Agentic AI for Sustainable Future"	Network & Systems 1 Junsu Kim (Tech Univ. of Korea)	[AIPC] Generative AI and LLMs Yeonwoong Kyung (Seoul National Univ. of Science and Technology)	Workshop on Core Networks, NWDAP & Slicing Hyeonho Noh (Hanbat National Univ.)	ICT workshop of big data, CPs, and 5G&6G communication networks (IWBCN) III Sungrae Cho (Chung-Ang Univ.)	ICTC Workshop on Intelligent Secure Underwater Communications (IWSUC) Namyeon Lee (POSTECH)	[SG6C]Opening Ceremony Hyowoon Seo (Sunggyunkwan Univ.)	[Main Track] Interactive Session 5 Sang-Hyo Kim (Sungkyunkwan Univ.)
14:40~15:00	Coffee Break							
15:00~16:30 (90min)	Plenary Session II: Keynote Speeches (Crystal 1) Chair: Dr. Namsueok Ko (ETRI, Korea) Keynote Speech 3: Sameh Yamany, SVP and Chief Technology Officer, VIAVI Solutions, "6G Digital Twin: The AI revolution for innovative 6G applications" Keynote Speech 4: Moe Z. Win, Robert R. Taylor Professor, Massachusetts Institute of Technology (MIT), "Quantum Nexus for Sensing, Communication, Control, and Computing" Keynote Speech 5: Mérouane Debbah, Professor, Director of the KU 6G Center, Khalifa University, "Pioneering Intelligent Connectivity for the Future of Generative AI"							
16:30~17:30	Best Paper Award (Photo Zone)							
17:30~19:30 (120min)	Banquet (Crystal 1, 2, 3) Welcome Address: Dr. Yongsook Bae, OC Chair of ICTC 2025 TPC Report: Prof. Byunghyo Shim, TPC Chair of ICTC 2025 Awards Ceremony Banquet Performance (Atilla Jun)							
October 16th (Thursday)								
Room	Crystal 1	Crystal 2	Crystal 3	Charlotte	Pearl	Ruby	Emerald	Foyer
08:00~17:00	Registration							
	SPC Special Session V: Connected Robots Chair: Prof. Howon Lee (Ajou Univ., Korea)	A06	B06	C06	D06	E06	F06	P06
08:30~10:00 (90min)	- Invited Talk 10: Ji-Woong Choi, Professor, DGIIST, "Future in-vehicle networking (IVN) technologies for connected and autonomous driving" - Invited Talk 11: Ismail Guvenç, Professor, North Carolina State University, "AERPAW and Its Digital Twin for Supporting AI Research with Autonomous Vehicle Networks" - Invited Talk 12: Aylin Yener, Roy and Lois Chope Professor, The Ohio State University, "Connecting with Purpose for 6G and Beyond"	Machine Learning 3 Intae Hwang (Chonnam National Univ.)	[AIPC] AI and Quantum Approaches for Communication Soohyun Park (Sookmyung Women's Univ.)	[SG6C]Mobile Core Yeonwoong Kyung (Seoul National Univ. of Science and Technology)	ICTC Workshop on Super connected and collaborated unmanned autonomous mobility (IWSUMIMIT) JungWoo Sohn (Kumoh National Institute of Technology)	Workshop on AI for Sensing, Vision & Edge Simeon Okechukwu Ajakwe (Kumoh National Institute of Technology)	[SCSS] Technical Session 1 In-Ho Lee (Hankyong National Univ.)	[Main Track] Interactive Session 6 Seunghyun Kim (MIT)
10:00~10:20	Coffee Break							
	Industrial Session II Chair: Dr. Younghee Kim (NIA, Korea)	A07	B07	C07	D07	E07	F07	P07
10:20~11:50 (90min)	- Invited Talk 13: Sangyun Uhm, CEO, ID Quantique Ltd., "Building Quantum-Resilient Networks with Quantum-Safe Technologies" - Invited Talk 14: Philip Farah, VP, ItoN2, "Quantum Computing Meets Networking: The Infrastructure of a Quantum-Enabled Economy"	Network & Systems 2 Jaehoon Paul Jeong (Sungkyunkwan Univ.)	[AIPC] 6G Global (ITRC) 6G and AI Kyoungjae Lee (Chung-Ang Univ.)	[SG6C]Radio and Components Jung Hwan Hwang (ETRI)	ICTC Workshop on Hanyang Univ Beyond-6 Center Hyeong-Gun Joo (Hanyang Univ.)	ICTC Workshop on intelligent mobility system and security (IWMISS) Jiwoong Choi (DGIIST)	[SCSS] Opening Ceremony & Keynotes Sungtek Kahng (Incheon National Univ.)	[SG6C] Interactive Session 7 Heechul Yang (Chungnam National Univ.), Nam I Kim(ETRI)
11:50~13:10	Lunch							
13:10~14:40 (90min)	Plenary Session III: Keynote Speeches (Crystal 1) Chair: Prof. Seunghoon Hwang (Dongguk University, Korea) Keynote Speech 6: John Smeed, Senior Vice President, Qualcomm, "Designing 6G: Pioneering Intelligent Connectivity for Tomorrow" Keynote Speech 7: Kyung-A Yoon, SVP, Head of Agentic AI Lab, KT, "From Architecture to Application : The Rise of AI Agents" Keynote Speech 8: Harish Viswanathan, BL fellow, Head of Radio Systems Research, Nokia Bell Labs, "Future of Mobile: Extreme Connectivity, AI-Native and Beyond Communications"							
14:40~15:00	Coffee Break							
	SPC Special Session VI: 6G Technologies: AI & Semantic Communications Chair: Prof. Yongjune Kim (POSTECH, Korea)	A08	B08	C08	D08	E08	F08	P08
15:00~16:30 (90min)	- Invited Talk 13: Yo-Seb Jeon, Associate Professor, POSTECH, "Towards Realizing Digital Semantic Communications: Challenges and Potential Solutions" - Invited Talk 14: Deniz Gündüz, Professor, Imperial College London, "Pragmatic Communications"	Machine Learning 4 Taesoo Jun (Kumoh National Institute of Technology)	Network & Systems 3 Junseon Kim (The Catholic Univ. of Korea)	[SG6C]RAN YoungJo Ko (ETRI)	Special Session on Korea University Quantum Internet Youngchul Ko (Korea Univ.)	Special Session on 6H Next-Generation Mobile Communications Een-Keo Hong (Kyung Hee Univ.)	[SCSS] Technical Session 2 Pansoo Kim (ETRI)	[SCSS] Interactive Session 8 Heejung Yu (Korea Univ.), Sunghwan Cho (Korea Military Academy)
16:30~16:50	Coffee Break							
	Industrial Session III Chair: Prof. Bang Chul Jeong (Ajou Univ., Korea)	A09	B09	C09	D09	E09	F09	P09
16:50~18:20 (90min)	- Invited Talk 15: Donggio Shin, CEO, Mobilint, "Key Enabler of the AI Era: AI Chips as Infrastructure" - Invited Talk 16: Thomas Magedanz, University Professor, TU Berlin / Fraunhofer FOKUS, "Open 6G Research Infrastructures and Toolkits enabling an 'Open 6G for all'"	Network & Systems 4 Yo-Seb Jeon (POSTECH)	Security 1 Jeong Seon Yeom (Hankyung National Univ.)	ICTC Workshop on 6G Core Network Yun Won Chung (Soongsil University)	ICTC Workshop on Next Generation Channel Coding and Its Applications (IWNGCCA) Sang-Hyo Kim (Sungkyunkwan Univ.)	ICTC Workshop on 6G RI with AI Kyunghan Lee (Seoul National Univ.)	ICTC Workshop on ETRI Human Understanding AI Paper Challenge (IWETRIA) Hyun-Tae Jeong (ETRI)	[Main Track] Interactive Session 9 Taesoo Jun (Kumoh National Institute of Technology)
October 17th (Friday)								
Room	Crystal 1	Crystal 2	Crystal 3	Charlotte	Pearl	Ruby	Emerald	Foyer
08:30~10:20	Registration							
	SPC Special Session VII: Telco Cloud Networks Chair: Prof. Hyowoon Seo (Sungkyunkwan Univ., Korea)	A10	B10	C10	D10	E10	F10	P10
08:30~10:00 (90min)	- Invited Talk 15: Satoru Matsumura, Technical Meister, SoftBank Corp., "Transforming Mobile Networks with Internet-Architecture Principles: SRv6 Mobile User Plane for Scalable 5G & Edge Innovation" - Invited Talk 16: Linda Dunbar, Distinguished Engineer, Futurewei Technologies, "AI-Native Networking: Enabling Scalable and Secure Edge Intelligence through Cloud-Network Convergence"	Machine Learning 5 Jae Min Lee (Kumoh National Institute of Technology)	[AIPC] Secure and Explainable AI Systems Dongwan Kim (Dong-A Univ.)	Shaping the Future of 6G: Innovation, Intelligence, and Sustainability Namsueok Ko (ETRI)	Workshop on Security, Zero-Trust & Privacy Oleuke Babayomi (Kumoh National Institute of Technology)	ICTC Workshop on Efficient Simulation Technologies for Data Center Workloads (IWSTDW) Seokhun Jeon (KETI)	[SCSS] Technical Session 3 Wonjae Shin (Korea Univ.)	[SCSS] Interactive Session 10 Dong-Hyun Jung (Soongsil Univ.), Do-Yup Kim (Incheon National Univ.)
10:00~10:20	Coffee Break							
	Industrial Session IV Chair: Prof. Hywon Kim (Chungnam Univ., Korea)	A11	B11	C11	D11	E11	F11	P11
10:20~11:50 (90min)	- Invited Talk 17: James Hyeonhan Han, CTO, Nokia Korea, "AI Native Mobile communication vision and trends" - Invited Talk 18: Nicholas Chubierre, 5G Solution Line Manager, Thales Alenia Space France, "A satellite network component for the 6G network"	Wireless Communications 4 Jeong Seon Yeom (Hankyung National Univ.)	ICT Convergence 2 Seyoon Kim (Korea Univ.)	AI for 6G and Beyond: Intelligent Networks and Digital Twin Synergies Dr. Luis Cordeiro	ICTC Workshop on Semantic Communication Yo-Seb Jeon (POSTECH)	ICTC Workshop on Information and Communication Strategic Technology for Industry Convergence (IWCIST) Wooyong Lee (ETRI)	[SCSS] Special Session on Ajour 6GRC/RRC Jae-Hyun Kim (Ajou Univ.)	[Main Track] Interactive Session 11 Seunghyun Kim (MIT)