2025 Korea-Finland Chip Design Symposium
"Chips Shaping the Future"

When: Friday, September 12, 2025
09:00 ~ 17:00

Where: Aalto University
H304, Otakaari 1, 02150 Espoo, Finland

Host: Embassy of the Republic of Korea in Finland
Aalto Microelectronics Research Center (METKA)
Aalto University

Organizer:
Prof. Kwantae Kim
Aalto University, Finland

Time	Topic	Speaker	
08:30	Reception / Morning Coffee		
Session 1: Opening			
9:00	Introduction to the Symposium	**Prof. Kwantae Kim** Aalto University, Finland	A! Aalto University
9:20	IC Design Research at Aalto University	**Prof. Jussi Ryynänen** Aalto University, Finland	A! Aalto University
9:40	Break / Networking		
Session 2: Innovations in Sensor Interfaces			
9:50	Energy-Efficient Analog/Mixed-Signal Circuits	**Prof. Taekwang Jang** ETH Zurich, Switzerland	ETH zürich
10:10	Analog/Mixed-Signal ICs for Next Generation Integrated System	**Prof. Dong-Woo Jee** Ajou University, South Korea	AJOU UNIVERSITY
10:30	Break / Networking		
Session 3: AI Accelerators and Systems			
10:40	Automotive System, Computing-in-Memory	**Prof. Kyuho Lee** Yonsei University, South Korea	YONSEI UNIVERSITY
11:00	SoC team from Nokia	(TBD) Nokia, Finland	NOKIA
11:20	LLM Accelerator, Neuromorphic Algorithms	**Prof. Sangyeob Kim** Yonsei University, South Korea	YONSEI UNIVERSITY
11:40	Lunch / Networking		

Session 4: Automatic Generation of Analog ICs

Time	Title	Speaker	
13:00	Programmatic Analog Circuits, RISC-V Processors	**Prof. Marko Kosunen** Aalto University, Finland	
13:20	Automatic Generation of High-Performance Circuits	**Prof. Jaeduk Han** Hanyang University, South Korea	
13:40	Break		

Session 5: ICs for Neural Recording, Neuromorphic, and Industrial Applications

Time	Title	Speaker	
13:50	Analog Front-Ends/Data Converters for Neural Recording	**Dr. Yoontae Jung** imec, Belgium	
14:10	Analog Neuromorphic ICs for Extreme Edge AI	**Dr. Jacek Flak** VTT, Finland	
14:30	Low-frequency noise reduction technique for linear analog CMOS ICs	**Dr.-Ing. Jeongwook Koh** Renesas Electronics, Germany	
14:50	Break		

Session 6: Innovations in mmWave ICs

Time	Title	Speaker	
15:00	Progress in Design and Integration for Near-THz Wireless Communications Systems	**Dr. Yves Baeyens** Nokia Bell Labs, United States	
15:20	mmWave/sub-THz Transceivers for Advanced 5G/6G Applications	**Prof. Aarno Pärssinen** University of Oulu, Finland	
15:40	Break		

Session 7: Advances in Quantum Circuits and System

Time	Title	Speaker	
15:50	KQCircuits – Open-Source Layout Library for Designing Chips with Super Conducting Qubits.	**Pavel Smirnov-Ylikangas** IQM, Finland	
16:10	(TBD)	**Dr. Leif Roschier** Bluefors, Finland	
16:30	Quantum Sensing, Hybrid Integration	**Dr. Jae-Wung Lee** VTT, Finland	

Session 8: Closing

Time	Title	Speaker	
16:50	Closing Remarks / Group Photo	**Prof. Kwantae Kim** Aalto University, Finland	
17:00	Banquet	-	