



The Korean Institute of
Communications and
Information Sciences

2024

KICS-NA IT Workshop

**Toward 6G Wireless Communications:
Technologies and Services**



February 16- February 17, 2024
Samsung San Diego Lab.
9808 Scranton Road STE 1000
San Diego, CA 92121

Organizers: KICS North America Chapter
Sponsors: Samsung Electronics, LG Electronics

Program

Day 1

18:00~ Reception

Day 2

10:00~10:15 Greeting from KICS

10:15~10:30 Greeting from KICS-NA Chapter President

10:30~11:00 6G Research Trends & WRC-23
Prof. Kwang Soon Kim (Yonsei University)

11:00~11:20 Coffee Break

11:20~11:50 FDD Massive MIMO: How to Eliminate CSI
Feedback?
Prof. Namyoon Lee, Korea University

11:50~12:20 On the dual computational structures of uFDM digital
transmission systems
Dr. Sung-Moon Michael Yang, Baycore Technology

12:20~14:00 Lunch Break

14:00~14:30 Private distribution estimation through the lens of
combinatorial designs
Prof. Si-Hyeon Lee (KAIST)

14:30~15:00 Fundamental Tradeoff of Joint Communication and
Quickest Change Detection
Prof. Daewon Seo (DGIST)

15:00~15:20 Coffee Break

15:20~15:50 Machine learning techniques for LDPC decoders to
mitigate the error-floor
Prof. Hee-Youl Kwak (University of Ulsan)

15:50~16:20 5-seq LRCs with availability from Golomb rulers
Prof. Hong-Yeop Song (Yonsei University)

16:20~ Closing Remark

Committee

General Chairs

Dr. Byung Kwan Yi (UCSD)
Prof. Hong-Yeop Song (Yonsei University)

Technical Program Co-Chair

Prof. Dongkyun Kim (Kyungpook National University)
Prof. Bang Chul Jung (Chungnam National University)

Technical Session Chairs

Morning: Dr. Sung-Moom Michael Yang (Baycore Technology)
Afternoon: Prof. Hong-Yeop Song (Yonsei University)

Registration

Please send email to keebong.s@samsung.com
taesangy@qti.qualcomm.com and
sanggook.kim@lge.com before February 10, 2024

Further Information:

Email: sanggook.kim@lge.com, Phone: +1- 858-775-9159
keebong.s@samsung.com, taesangy@qti.qualcomm.com

Participants from Korea

Registration Fee: KRW 300,000
Registration Deadline: February 10, 2024
Bank Transfer: Bank Name: WOORI BANK, Account No.:1005-701-124065,
Account Name: ((사)한국통신학회)
Credit Card: Download the form [here](#) and send it back to
international@kics.or.kr
(+82-2-3453-5555(6))

Banquets

* February 16, 2024 Reception sponsored by KICS
* February 17, 2024 Lunch sponsored by LG Electronics
* February 17, 2024 Banquet sponsored by KICS