



The Korean Institute of
Communications and
Information Sciences

2019

KICS-NA IT Workshop

5G Wireless Communication Technologies and Network Services



February 8- February 9, 2019

LG Electronics Mobile Research (LGEMR)
10225 Willow Creek Rd, San Diego, CA 92131

Organizers: KICS North America Chapter

Sponsors: LG Electronics

Program

Day 1

18:00~ Reception

Day 2

10:00~10:15 Greeting from KICS Honorary President
Prof. Jong-Seon No (Seoul National Univ.)

10:15~10:30 Greeting from KICS-NA Chapter President
Dr. Byung Kwan Yi (UCSD)

10:30~11:00 Versatile Video Coding for Higher-quality Video
Services and Emerging Applications
Dr. Seung Hwan Kim (LGE Mobile Research)

11:00~11:20 Coffee Break

11:20~11:50 Overview of PQC Proposals to NIST
Prof. Jong-Seon No, Mr. Yong-Woo Lee,
(Seoul National Univ.)
Prof. Young-Sik Kim (Chosun Univ.)

11:50~12:20 Traceability of UFOs – 3GPP Perspectives
Dr. Ki-Dong Lee (LGE Mobile Research)

12:20~14:00 Lunch Break

14:00~14:30 Machine Learning-Based Multi-Hop MU-MIMO
Communications with One-Bit Distributed
Relaying
Prof. Namyoon Lee (POSTECH)

14:30~15:00 Milewski Sequences Revisited, and Its
Generalization
Prof. Hong-Yeop Song (Yonsei Univ.)

15:00~15:30 Two-bit Min-Sum Decoding of LDPC Codes
Prof. Kyuoncheol Yang (POSTECH)

15:30~15:50 Coffee Break

15:50~16:20 Circadian rhythm-based wearable healthcare
Prof. Dae Hwan Kim (Kookmin Univ.)

16:20~ Closing Remark

Committee

General Chairs

Dr. Byung Kwan Yi (UCSD)
Prof. Jong-Seon No (Seoul National Univ.)

Technical Program Co-Chairs

Prof. Suk Chan Kim (Pusan National Univ.)

Technical Session Chair

Morning: Dr. Sang G. Kim (LGE Mobile Research)
Afternoon: Prof. Hong-Yeop Song (Yonsei Univ.)

Registration

Please send email to sanggook.kim@lge.com before January 31st

Further Information:

Email: sanggook.kim@lge.com, Phone: +1- 858-775-9159

Participants from Korea

Registration Fee: KRW 100,000

Registration Deadline: February 1st, 2019

Bank Name: WOORI BANK, Account No.: 1005-701-124065, Account

Name: ((사)한국통신학회)

Email: icn@kics.or.kr, Tel: +82-2-3453-5555(4)

Banquets

* February 8th, 2019 Reception sponsored by KICS

* February 9th, 2019 Lunch sponsored by LG Electronics

* February 9th, 2019 Banquet sponsored by LG Electronics