



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