

The First Joint Workshop on Electrical & Information Engineering Between Beihang University & KAIST

September 25 (Mon), 2017

Room 2201, 2nd Floor, Electrical Engineering Building (E3-2)

Time	Title	Speaker
10:00~10:15	Welcome remark & Introduction of KAIST EE	Jaekyun Moon (Head of KAIST EE)
10:15~10:30	Welcome remark & Introduction of Beihang Univ.	Rongke Liu (Vice Dean, Beihang)
10:30~10:50	Optimal filter design for generalized frequency-division multiplexing	Youngchul Sung
10:50~11:10	Implementation of an OFDM communication system	Qiang Gao
11:10~11:30	Low-complexity concatenated polar codes with excellent scaling behavior	Sunghwan Yoon
11:30~11:50	Polar code with its applications	Rongke Liu
11:50~13:00	<i>Lunch _ Faculty Club (2nd Floor, E5)</i>	
13:00~13:20	RF/analog IC design activities in NICE Lab	Sang-Gug Lee
13:20~13:40	TFT display device and integrated circuit	Hongge Li
13:40~14:00	Multiplexed dual-comb fiber lasers - enabling new applications for microwave, terahertz, and photonics	Zheng Zheng
14:00~14:20	Silicon-based integrated optoelectronic devices for communication and sensing applications	Kyoungsik Yu
14:20~14:40	<i>Break</i>	
14:40~15:00	High-capacity transmission systems using directly modulated lasers	Hoon Kim
15:00~15:20	Optical devices for label-free surface wave biosensing and miniaturized spectroscopic analysis	Yuhang Wan
15:20~15:40	Education and training in space science and microwave technology using small satellite programs	Seong-Ook Park
15:40~16:00	Research on broadband EMC modeling method for electronic equipments	Shuguo Xie
16:00~16:20	<i>Break</i>	
16:20~16:40	Active plasmonics in low dimensional materials	Minseok Jang
16:40~17:00	Analysis, construction, and encoding of QC-LDPC codes in Frequency domain	Qin Huang
17:00~17:20	Unequal error protection coding approaches to the noisy 20 questions problem	Hye Won Chung
17:20~18:00	Discussion	
18:00~	<i>Dinner _ Faculty Lounge (E3-2)</i>	