

Session Title	Visible Light Communication	Session Code	6A2
Date and Time	July 6 (Fri.) / 10:30-12:00 (90')		
Place	Room A		
Session Chair	Sung Man Kim (Kyungsung Univ.)		

6A2-1

10:30-10:45 (15')

Faster-than-Nyquist DFT-S-OFDM over Visible Light Communications

Yingjie Shao, Yang Hong, Shuang Gao, and Lian-Kuan Chen
The Chinese Univ. of Hong Kong, China

6A2-2

10:45-11:00 (15')

100-m Long Distance RGB Visible Light Camera Communication

Yen-Chun Liu¹, Ruei-Jie Shiu¹, Liang-Yu Wei¹, Chin-Wei Hsu¹, Chi-Wai Chow¹, and Chien-Hung Yeh²
¹Nat'l Chiao Tung Univ., Taiwan, ²Feng Chia Univ., Taiwan

6A2-3

11:00-11:15 (15')

Visible Light Communication Using Advertisement-Light-Board and Rolling-Shutter-Effect based CMOS Mobile-Phone Camera

Ruei-Jie Shiu¹, Yen-Chun Liu¹, Chi-Wai Chow¹, Liang-Yu Wei¹, Yung Hsu¹, Chin-Wei Hsu¹, Chien-Hung Yeh², Xin-Lan Liao³, Kun-Hsien Lin³, Yi-Chang Wang³, and Yi-Yuan Chen³
¹Nat'l Chiao Tung Univ., Taiwan, ²Feng Chia Univ., Taiwan, ³Industrial Technology Research Inst., Taiwan

6A2-4

11:15-11:30 (15')

Demonstration of Probabilistic Shaping PAM4 for Visible Light Communications

Dongsheng Wu, Min Zhang, Ze Li, Danshi Wang, Weishu Xu, and Jin Li
Beijing Univ. of Posts and Telecommunications, China

6A2-5

11:30-11:45 (15')

Error-Free Transmission for Rolling-Shutter-based Optical Camera Communication

K. Shintai, K. Mohri, T. Zinda, and W. Chujo
Meijo Univ., Japan

6A2-6

11:45-12:00 (15')

Experimental Demonstration of Indoor Positioning System based on Visible Light Communications

Hao Wu, Haozhe Chen, Junjie Ding, Mingrui Yang, Shihang Bian, Ying Wang, Jie Pang, Wei Liu, Honglong Cao, Minglai Zhou, Jianling Hu, and Shanhong You
Soochow Univ., China