

Session Title	Indoor Network	Session Code	5A1
Date and Time	July 5 (Thu.) / 08:30-10:00 (90')		
Place	Room A		
Session Chair	Hanhyub Lee (ETRI)		

5A1-1 (Invited)

08:30-09:00 (30')

Experimental Demonstrations of RoF Technologies for 5G Indoor DAS Applications

Seung-Hyun Cho, Hwan Seok Chung, Joonyoung Kim, Minkyu Sung, Joon ki Lee, and Jong Hyun Lee
ETRI, Korea

5A1-2

09:00-09:15 (15')

Demonstration of Indoor Optical Wireless Communications with Spatial Diversity using Repetition-Coding and Space-Time-Block-Coding

Tingting Song¹, Ke Wang², Ampalavanapillai Nirmalathas¹, Christina Lim¹, Elaine Wong¹, and Kamal Alameh³

¹The Univ. of Melbourne, Australia, ²RMIT Univ., Australia, ³Edith Cowan Univ., Australia

5A1-3

09:15-09:30 (15')

3D Indoor Visible Light Positioning System using RSS Ratio with Neural Network

Sheng Zhang, Pengfei Du, Chen Chen, and Wen-De Zhong
Nanyang Technological Univ., Singapore

5A1-4

09:30-09:45 (15')

Receiving Area Enlargement using Expanded Laser Beam for Indoor Optical Wireless Communication

Kai-Min Wang¹, Yi-Lin Yu¹, Huai-Ching Wang¹, Shien-Kuei Liaw¹, Hiroki Kishikawa², and Nobuo Goto²

¹Taiwan Tech, Taiwan, ²Tokushima Univ., Japan

5A1-5

09:45-10:00 (15')

Dimmable Optical OFDM based on Discrete Hartley Transform for Indoor Visible Light Illumination and Communication

M. Che, T. Kuboki, and K. Kato
Kyushu Univ., Japan