



## [WeB2] Millimeter-wave, THz and Optical Propagation

<b>Date / Time</b>	Oct. 24 (Wed.), 2018 / 16:30-18:30
<b>Place</b>	Room B (Grand Ballroom 2)
<b>Session Chairs</b>	Tae-In Jeon (Korea Maritime and Ocean University, Korea) Minseok Kim (Niigata University, Japan)

### WeB2-1

16:30-16:50

#### Multilevel Modulation by LED Luminance Distribution for Optical Camera Communication

Masahiro Kinoshita, Takuya Zinda, and Wataru Chujo  
*Meijo University, Japan*

### WeB2-2

16:50-17:10

#### 300-GHz Dual-Beam Frequency-Selective On-Chip Antenna for High- $T_c$ Superconducting Receivers

Xiang Gao<sup>1</sup>, Ting Zhang<sup>2</sup>, Jia Du<sup>1</sup>, and Y. Jay Guo<sup>2</sup>  
<sup>1</sup>*CSIRO Manufacturing, Australia*, <sup>2</sup>*University of Technology Sydney, Australia*

### WeB2-3

17:10-17:30

#### Development of Link Context-Aware Millimeter-Wave Beam Switching System Using Depth-Sensor

Minseok Kim, Hideaki Momose, and Tomoyuki Nakayama  
*Niigata University, Japan*

### WeB2-4

17:30-17:50

#### Long Distance Propagation of THz Pulses Having 0.4-THz Bandwidth

Gyeong-Ryul Kim<sup>1</sup>, D. Grischkowsky<sup>2</sup>, and Tae-In Jeon<sup>1</sup>  
<sup>1</sup>*Korea Maritime and Ocean University, Korea*, <sup>2</sup>*Oklahoma State University, USA*

### WeB2-5

17:50-18:10

#### Analysis of Delay and AOD Spread at 67 GHz for an Urban Micro Street Canyon Scenario

Michael Peter<sup>1</sup>, Wilhelm Keusgen<sup>1</sup>, Taro Eichler<sup>2</sup>, Kiyoshi Yanagisawa<sup>2</sup>, Koshiro Kitao<sup>3</sup>, Tetsuro Imai<sup>3</sup>, Minoru Inomata<sup>3</sup>, and Yukihiro Okumura<sup>3</sup>, and Takehiro Nakamura<sup>3</sup>  
<sup>1</sup>*Fraunhofer Heinrich Hertz Institute, Germany*, <sup>2</sup>*Rohde & Schwarz, Germany*, <sup>3</sup>*NTT Docomo, INC., Japan*

### WeB2-6

18:10-18:30

#### Analysis of the Effect of Antenna Beamwidth on Received Power in Large Indoor Environments Based on Millimeter-Wave Channel Measurements

Juyul Lee, Kyung-Won Kim, Jae-Joon Park, and Myung-Don Kim  
*ETRI, Korea*