



## 7<sup>th</sup> IEEE Electron Devices Technology and Manufacturing (EDTM) Conference 2023

March 7 – 10, 2023 / COEX Seoul, Korea

### 23B. Advanced Photonics

|                       |                                                                             |
|-----------------------|-----------------------------------------------------------------------------|
| <b>Session Date:</b>  | March 8(Wed.),2023                                                          |
| <b>Session Time:</b>  | 17:00-18:10                                                                 |
| <b>Session Room:</b>  | Room B (#307 bc)                                                            |
| <b>Session Chair:</b> | Prof. Hyungjin Kim (Inha University)<br>Prof. Ki Jun Yu (Yonsei University) |

#### [23B-1] [Invited]

17:00-17:25

#### Heavy Metal-Free Colloidal Quantum Dots For Display Applications

Wanki Bae

*Sungkyunkwan University*

#### [23B-2]

17:25-17:40

#### Analysis and Mitigation of Interference in a Multi-RADAR Environment

Elochukwu Onyegbu<sup>1</sup>, Arman Lee<sup>1</sup>, Aigerim Ashimbayeva<sup>1</sup>, Bikash Nakarmi<sup>2</sup> and Ikechi A.

Ukaegbu<sup>1</sup>

<sup>1</sup>Nazarbayev University, <sup>2</sup>Nanjing University of Aeronautics and Astronautics

#### [23B-3]

17:40-17:55

#### Robust Real-Time 4K-UHD Videos Streaming Transmission through Photonic-Based Terahertz Wireless Communication System

Xuan-Wei Miao, Po-Cheng Su, Fu-Kai Shih, Pouya Torkaman, Kai-Ming Feng and Shang-Hua Yang

*National Tsing Hua University*

#### [23B-4]

17:55-18:10

#### Design and Optimization of a Double Cladding Octo-Wing Segmented Cladding Fiber Using Response Surface Methodology

Marzieh Pournoury and Donghyun Kim

*Yonsei University*