

# Joint International Conference on The 8th ICMAP & The 9th ISFM

January 17-20, 2021 | Online Conference

|   |                                       |
|---|---------------------------------------|
| <b>[MB3] 2D Materials and Their Application to Nano/Micro Devices V</b> |                                       |
| <b>Date / Time</b>  | January 18 (Mon.), 2021 / 16:10-17:30 |
| <b>Place</b>  | Channel B                             |
| <b>Session Chair(s)</b>   | Jae Bum Choo (Chung-Ang Univ., Korea) |

## **[MB3-1] Invited**

**16:10-16:40**

### **Valley Magnetic Domain: A New Pathway to Valleytronics**

Jae Dong Lee

*DGIST, Korea*

## **[MB3-2]**

**16:40-17:00**

### **Hardware-Based Cryptographic Primitives Using MoS<sub>2</sub>**

Jaeseo Park<sup>1</sup>, Jung Woo Leem<sup>2</sup>, Zahyun Ku<sup>3</sup>, Jun Oh Kim<sup>1</sup>, Won Chegal<sup>1</sup>, Sangwoo Kang<sup>1</sup>, and Young L. Kim<sup>2</sup>

*<sup>1</sup>KRISS, Korea, <sup>2</sup>Purdue Univ, USA, <sup>3</sup>AFRL, USA*

## **[MB3-3] Invited**

**17:00-17:30**

### **Nanoplasmonic Microdevice Platforms for In Vitro Diagnostics**

Jaebum Choo

*Chung-Ang Univ., Korea*