

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

January 17-20, 2021 | Online Conference

[MB1] 2D Materials and Their Application to Nano/Micro Devices III	
Date / Time	January 18 (Mon.), 2021 / 09:00-10:50
Place	Channel B
Session Chair(s)	Ho Cheon Yoo (Gachon Univ., Korea) Won Jong Yoo (Sungkyunkwan Univ., Korea)

[MB1-1] Invited

09:00-09:30

Recent Progress in Device Processes Using 2D Materials

Won Jong Yoo

Sungkyunkwan Univ., Korea

[MB1-2]

09:30-09:50

High-Throughput Virtual Screening of Two-Dimensional Magnesium Hydride for Hydrogen Storage Material via Generative Adversarial Network

Junho Lee, Seonbin Song, and Joonsuk Huh

Sungkyunkwan Univ., Korea

[MB1-3]

09:50-10:10

Efficient Ammonia Sensing at Room Temperature by Ru Decorated Layered V₂O₅ Quasi-2D Nanostructures

Shobha Birajdar¹, Parag Adhyapak¹, Bharat Kale¹, and Dinesh Amalnerkar²

¹Centre for Materials for Electronics Tech., India, ²Savitribai Phule Pune Univ., India

[MB1-4]

10:10-10:30

New Concept 2D Materials-Based Devices and their Applications to Functional Sensors, Memories, and Integrated Circuits

Hocheon Yoo

Gachon Univ., Korea

[MB1-5]

10:30-10:50

High Performance Contact-Doped WSe₂ Field Effect Transistors Fabricated by Selective Oxidation

Inyong Moon, Sungwon Lee, and Won Jong Yoo

Sungkyunkwan Univ., Korea