

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

January 17-20, 2021 | Online Conference

<b>[MC2] Plasma Modeling and Simulation Techniques II</b>	
<b>Date / Time</b>	January 18 (Mon.), 2021 / 14:10-16:00
<b>Place</b>	Channel C
<b>Session Chair(s)</b>	De-Qi Wen (Michigan State Univ., USA)

## **[MC2-1] Invited**

**14:10-14:40**

### **Dynamics of Two-Dimensional Dusty Plasmas Modified by One-Dimensional Periodic Substrate**

Yan Feng

*Soochow Univ., China*

## **[MC2-2]**

**14:40-15:00**

### **Hybrid Simulation on the Instability in Capacitively Coupled CF<sub>4</sub>/Ar Plasmas Driven by an Asymmetric Dual Frequency Waveform**

Wan Dong, Yi-Fan Zhang, Yuan-Hong Song, Zhong-Ling Dai, and You-Nian Wang

*Dalian Univ. of Tech., China*

## **[MC2-3]**

**15:00-15:20**

### **Effect of Driving Frequency on the Plasma Parameters and Electron Heating Mechanism in Very High Frequency Capacitive Discharges**

Nishant Sirse<sup>1</sup>, Sarveshwar Sharma<sup>2</sup>, Miles M Turner<sup>3</sup>, and Albert R Ellingboe<sup>3</sup>

*<sup>1</sup>IPS Academy, Indore, India, <sup>2</sup>Inst. for Plasma Research, India, <sup>3</sup>Dublin City Univ., Ireland*

## **[MC2-4]**

**15:20-15:40**

### **Investigation of Collision Effect on Ion Incident Angle at Biased Target in Magnetized Hydrogen Plasma**

Myeong-Geon Lee<sup>1</sup>, Nam-Kyun Kim<sup>2</sup>, Jamin Song<sup>1</sup>, Ki-Baek Roh<sup>1</sup>, and Gon-Ho Kim<sup>1</sup>

*<sup>1</sup>Seoul Nat'l Univ., Korea, <sup>2</sup>Samsung Electronics Co., Ltd., Korea*

## **[MC2-5]**

**15:40-16:00**

### **Breakdown Process of Dual-Frequency Capacitively Coupled Plasma: A Collective Simulation**

Hao Wu<sup>1</sup>, Youyou Zhou<sup>2</sup>, Jiamao Gao<sup>1</sup>, Zhijiang Wang<sup>1</sup>, Yanli Peng<sup>3</sup>, and Wei Jiang<sup>1</sup>

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