

## [TS13W1]

### Nanofabrication Process and Platform 1

<b>Date &amp; Time</b>	July 3(Wed.), 2024 / 09:15–10:30
<b>Place</b>	Room 212
<b>Session Chair(s)</b>	Yeong-Eun Yoo (KIMM), Seok-Jae Lee (NNFC)

**TS13W1\_O\_1** **09:15–09:30**

#### Large-Scale Molybdenum Carbide Membrane for High-Power EUV Lithography

Yongkyung Kim<sup>1,2</sup>, Jonghyuk Yoon<sup>1,3</sup>, Kihun Seong<sup>1,3</sup>, Heongyu Lee<sup>1</sup>, Hyun-Mi Kim<sup>1</sup>, Seul-Gi Kim<sup>1</sup>, Jinho Ahn<sup>2</sup>, and Hyeongkeun Kim<sup>1</sup>

(<sup>1</sup>KETI, <sup>2</sup>Hanyang University, <sup>3</sup>Sungkyunkwan University)

**TS13W1\_O\_2** **09:30–09:45**

#### Large-Scale Pattern Growth through the Extended Replication Mode of Electrohydrodynamic Instability Patterning

Hyunje Park, Heejoon Chae, and Dae Joon Kang

(Sungkyunkwan University)

**TS13W1\_O\_3** **09:45–10:00**

#### Optimization of ALD Process through Real-Time By-Product Analysis

Jun-Hyeok Jeon<sup>1,2</sup>, Hyun-Mi Kim<sup>1</sup>, Sung Kyu Jang<sup>1</sup>, Hye-Young Kim<sup>1,2</sup>, Chang-sub Park<sup>3</sup>, Yong Soo Lee<sup>3</sup>, Geun Young Yeom<sup>2</sup>, Jae-Boong Choi<sup>2</sup>, Sun Gil Kim<sup>1</sup>, Seul-Gi Kim<sup>1</sup>, and Hyeongkeun Kim<sup>1</sup>

(<sup>1</sup>KETI, <sup>2</sup>Sungkyunkwan University, <sup>3</sup>KoMiCo Ltd.)

**TS13W1\_O\_4** **10:00–10:15**

#### Development of Volatile Block Copolymer Synthetic Platform for Nanostructure Fabrication and its Energy Applications

Jeehyun Hong, Yemin Park, and Yeon Sik Jung

(KAIST)

**TS13W1\_O\_5** **10:15–10:30**

#### Direct Growth of Graphite on SiN<sub>x</sub>/Si through Metal Induced Crystallization of Amorphous Carbon for EUV Pellicle

Hyeyoung Kim<sup>1,2</sup>, Seul-Gi Kim<sup>1</sup>, Jun-Hyeok Jeon<sup>1,2</sup>, Yongkyung Kim<sup>1,3</sup>, Kihun Seong<sup>1,2</sup>, Hyeongkeun Kim<sup>1</sup>, Hyun-Mi Kim<sup>1</sup>, and Ji-Beom Yoo<sup>2</sup>

(<sup>1</sup>KETI, <sup>2</sup>Sungkyunkwan University, <sup>3</sup>Hanyang University)