

<b>Session Title:</b>	<b>[We3I] Laser Assisted Novel Device Fabrication</b>
<b>Session Date:</b>	<b>August 7 (Wed.), 2024</b>
<b>Session Time:</b>	<b>15:45-17:15</b>
<b>Session Room:</b>	<b>Room I (118)</b>
<b>Session Chairs</b>	<b>TBA</b>

**[We3I-1] [Invited] 15:45-16:15**

**Amplifying the Gas Sensing Sensitivity with Femtosecond Laser Irradiation**

Hyoungwon Park (Fraunhofer Inst. for Ceramic Technologies and Systems, Germany)

**[We3I-2] 16:15-16:30**

**Ultra-Bright Blue-Shifted Emission from Photo-Polymers via Femtosecond Pulsed Laser Processing**

Hui Zhang, Simone Lamon, Weizhao Gu, Qiming Zhang, Min Gu (Univ. of Shanghai for Science and Tech., China)

**[We3I-3] 16:30-16:45**

**Laser-Induced Graphene (LIG) Based Diffraction Optical Systems and Implementation of Higher Precision Attitude Measurement Sensor.**

Younggeun Lee, Dongwook Yang, Hyeokin Kang, Hyogeun Han, Han Ku Nam, Taewon Kim, Hyeonwoo Kim, Hyosang Yoon (KAIST, Korea), Joohyung Lee (Seoul Nat'l Univ. of Science and Tech., Korea), and Young-Jin Kim (KAIST, Korea)

**[We3I-4] 16:45-17:00**

**Optical Fourier Volume Defined by Holographic Recording of Photopolymers and Nanoparticles**

Dongjae Baek (Korea Univ., Korea), Jun Choi (POSTECH, Korea), Jaepil Jo (KAIST, Korea), Yongjun Lim (Korea Univ., Korea), Unyong Jeong (POSTECH, Korea), Yongkeun Park (KAIST, Korea), and Seungwoo Lee (Korea Univ., Korea)

**[We3I-5] 17:00-17:15**

**A Study on Nanosecond Laser Interaction Characteristics of Polyimide Tape for Metal Battery**

H. Kim, M. Seong, M. Park, and D. Lee (Kongju Nat'l Univ., Korea)