Session Title:	[Tu2I] Ultrafast Laser Processing for Device Fabrication
Session Date:	August 6 (Tue.), 2024
Session Time:	16:00-17:30
Session Room:	Room I (118)
Session Chairs	Prof. Yves Bellouard (EPFL, Switzerland)

[Tu2I_1] [Invited] 16:00-16:30

Investigation of Ultrafast Dynamics after Femtosecond Laser Pulse Irradiation and Its Application to Ultrafast Processing of Transparent Materials

Yusuke Ito and Guoqi Ren (The Univ. of Tokyo, Japan)

[Tu2I_2] 16:30-16:45

Effect of Picosecond Laser Irradiation on Metal Electrode of P-type Gallium Nitride

Kaito Fukuda, Naoya Suto, Hiroto Seki, Takuya Kawakami (Tokushima Univ., Japan), Tsubasa Endo (The Univ. of Tokyo, Japan), Keisuke Takabayashi (Akita Univ., Japan), Yohei Kobayashi (The Univ. of Tokyo, Japan), Makoto Yamaguchi (Akita Univ., Japan), Kentaro Nagamatsu, Yuusuke Takashima, Yoshiki Naoi, and Takuro Tomita (Tokushima Univ., Japan)

[Tu2I_3] 16:45-17:00

Ohmic Contact Formation on 4H-SiC Using Pico-second Laser Irradiation

Naoya Suto, Hiroto Seki, Takuya Kawakami (Tokushima Univ., Japan), Keisuke Takabayashi (Akita Univ., Japan), Eibon Tsuchiya, Tsubasa Endo (The Univ. of Tokyo, Japan), Yuusuke Takashima, Kentaro Nagamatsu, Yoshiki Naoi (Tokushima Univ., Japan), Makoto Yama

[Tu2I_4] 17:00-17:15

Spectroscopic Investigation of Nd/Al Silica Glass Based on Laser Additive Manufacturing Method

Jiaming Li (South China Normal Univ., China), Nan Zhao (Guangdong Polytechnic Normal Univ., China), Shangming Ou, Qiongxiong Ma, and Qingmao Zhang ((South China Normal Univ., China)

[Tu2I_5] 17:15-17:30

Smart Window Applications Enabled by Laser-Induced Graphene

Tongmei Jing, Han Ku Nam, Dongwook Yang, Younggeun Lee (KAIST, Korea), Rongke Gao (China Univ. of Petroleum, China), Seung-Woo Kim (KAIST, Korea), Liandong Yu (China Univ.

of Petroleum, China), and Young-Jin Kim (KAIST, Korea)