CLEO PacificRim 2024 August 4-9, 2024 Songdo ConvensiA, Incheon, Korea

Session Title:	[We2I] Carbon Device Fabrication via Femtosecond Laser Processing
Session Date:	August 7 (Wed.), 2024
Session Time:	10:45-12:15
Session Room:	Room I (118)
Session Chair(s)	Dr. Han Ku Nam (KAIST, Korea)

[We2I-1] [Invited] 10:45-11:15

Fabrication of Carbon Devices with Femtosecond Laser Pulses

Mitsuhiro Terakawa (Keio Univ., Japan)

[We2I-2] 11:15-11:30

Fabrication of Hydrogel-based Microstrip Patch Antenna by Laser-induced Graphitization

Y. Hattori, A. Ito, H. Onoe, and M. Terakawa (Keio Univ., Japan)

[We2I-3] 11:30-11:45

Graphene E-textile Enabled by Femtosecond Laser Pulses Irradiation

Dongwook Yang, Han Ku Nam, Younggeun Lee, Hyeonwoo Kim, and Young-Jin Kim (KAIST, Korea)

[We2I-4] 11:45-12:00

Smart Home Technologies Enabled by Femtosecond Laser-Induced Graphene on Wooden Materials

Han Ku Nam, Tongmei Jing, Dongwook Yang, Younggeun Lee (KAIST, Korea), Manping Wang (China Univ. of Petroleum, China), and Young-Jin Kim (KAIST, Korea)

[We2I-5] 12:00-12:15

Optimised Diamond to Graphite Conversion via a Metastable sp^1-bonded Carbon Chain Formation under an Ultra-short Femtosecond (30 *fs*) Laser Irradiation

Bakhtiar Ali, Han Xu, Robert T. Sang, Maksym Rybachuk, and Igor V. Litvinyuk (Griffith Univ., Australia)