

| | |
|-----------------------|--|
| 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 Chairs | TBA |

| | |
|---------------------------|--------------------|
| [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)