

Session Title:	[Tu1I] Femtosecond Laser Structuring
Session Date:	August 6 (Tue.), 2024
Session Time:	11:00-12:30
Session Room:	Room I (118)
Session Chair(s)	Dr. Jiyeon Choi (KIMM, Korea)

[Tu1I-1] [Tutorial] 11:00-11:45

Transforming and Tuning Materials Properties with Femtosecond Lasers, from 3D Part Fabrication, Photonics and Beyond

Yves Bellouard (EPFL, Switzerland)

[Tu1I-2] 11:45-12:00

Fabrication of 2D Periodic Surface Nanostructures for Functionalization of Titanium Surface by Femtosecond Laser Pulses with GHz Burst Mode

Shota Kawabata, Felix Sima, Shi Bai, Kotaro Obata, Kazunari Ozasa (RIKEN Center for Advanced Photonics, Japan), Godai Miyaji (Tokyo Univ. of Agriculture and Tech., Japan), and Koji Sugioka (RIKEN Center for Advanced Photonics, Japan)

[Tu1I-3] 12:00-12:15

Laser-Assisted-Etching for Hybrid Polymer-Silica Lab-on-chip

George T Ong, T. Lee, P. Maniewski, S. McQuillan, M. Beresna, R. Ismaeel, and G. Brambilla (Univ. of Southampton, UK)

[Tu1I-4] 12:15-12:30

Femtosecond Laser Written Waveguides in CVD Diamonds

D. Perevoznik, J. Locmelis, D. Zuber, A. Glukhovskoy (Leibniz Univ. Hannover, Germany), A. Afentaki, M. Hinkelmann (Laser Zentrum Hannover e.V., Germany), F. Dencker, M. Wurz, and U. Morgner (Leibniz Univ. Hannover, Germany)