

Session Title:	[Mo4I] Laser Surface Treatment
Session Date:	August 5 (Mon.), 2024
Session Time:	17:00-18:30
Session Room:	Room I (118)
Session Chairs	TBA

[Mo4I-1] 17:00-17:15

Correlation Analysis between Laser Shock Peening Effects and Spatiotemporal Profile of Laser Beam

Geonhui Lee, Sanghyun Park, Hanjin Jo (Handong Global Univ., Korea), Seungjin Hwang, Sungyoon Lee (HILLAB Inc., Korea), Seokjun Yu (Pavetech Co., Ltd., Korea), and Tae Jun Yu (Handong Global Univ., Korea)

[Mo4I-2] 17:15-17:30

Formation of Cu-Sn High-temperature Phase by Ultra-short Pulse Laser Irradiation

Hiroto Seki, Taketo Furuichi (Tokushima Univ., Japan), Keisuke Takabayashi, Eibon Tsuchiya, Tsubasa Endo (The Univ. of Tokyo, Japan), Makoto Yamaguchi (Akita Univ., Japan), Tatsuya Okada (Tokushima Univ., Japan), Yohei Kobayashi (The Univ. of Tokyo, Japan), and Takuro Tomita (Tokushima Univ., Japan)

[Mo4I-3] 17:30-17:45

Self-assembled Al-PS Metamaterial for Low-power Laser Coloration by Controllable Oxidation and Deformation

Maxim Elizarov, Ning Li, Fei Xiang, and Andrea Fratalocchi (King Abdullah Univ. of Science and Tech., Saudi Arabia)

[Mo4I-4] 17:45-18:00

Dual Laser Annealing for Improved Phosphorous-Dopant Activation in Advanced Silicon Devices

R. A. Taiwo and J.H. Shin (Kongju Nat'l Univ., Korea)

[Mo4I-5] 18:00-18:15

Wedge Prism Scanner for Laser Surface Cleaning

HA-MY HOANG and JI-WHAN NOH (Korea Inst. of Machinery & Materials, Korea)

[Mo4I-6]

18:15-18:30

Study on the Effect of Laser Micromachining on the Physical Properties and Grain Structure of Tungsten in Nuclear Fusion Science

Haotian Yang, Ryo Yasuhara, Hiroyuki Noto (The Graduate Univ. for Advanced Studies, SOKENDAI, Japan), Daisuke Nagata (Nat'l Inst. for Fusion Science, Japan), Masayuki Tokitani, Haruki Kawaguchi, Chihiro Suzuki (The Graduate Univ. for Advanced Studies, SOKENDAI, Japan), Reina Miyagawa (Nagoya Inst. of Tech., Japan), and Hiyori Uehara (The Graduate Univ. for Advanced Studies, SOKENDAI, Japan)