

JST PRESTO Open Seminar Frontier in Photonics

Date & Time: 2017.10.30 (mon.) 9:30–16:00

Place: Institute of Laser Engineering, Osaka Univ.

Organizer:

Japan Science and Technology Agency (JST) and
Institute of Laser Engineering, Osaka University

Welcome

09:30–10:00 Welcome address, Ryosuke Kodama, Director of ILE, Osaka U.

Biophotonics

10:00–10:25 Interrogating gene expression dynamics by single-cell imaging and optogenetics, Akihiro Isomura, JST (Kyoto U.)

10:25–10:50 Precise control of protein expression by light to manipulate living presses, Shinzi Ogasawara, JST (Hokkaido U.)

Nano/micro-photonics

11:00–11:25 Light-driven nanomotor by designed plasmons, Yoshito Tanaka, Tokyo U.

11:25–11:50 Flexible molecules and dynamic soft materials, Shohei Saito, Kyoto U.

12:00–13:20 Lunch

Message

13:30–14:00 Beyond the limit, Ken-ichi Ueda, Supervisor, PRESTO

Power photonics

14:00–14:25 Ion Acceleration and Magnetic Reconnection Experiments on LFEX Laser, Akifumi Yogo, Osaka U.

14:25–14:50 Ion acceleration and heavy ion ionization with high-intensity and high-contrast ultrashort laser pulse, Mamiko Nishiuchi, QST

Material Science

15:00–15:25 Nonequilibrium physics in superconductivity studied by intense terahertz pulse, Ryusuke Matsunaga, Tokyo U.

15:25–15:50 Investigation of ultracold collisions in a laser-cooled atom-ion hybrid system, Takashi Mukaiyama, Osaka U.

15:50–16:00 Concluding Remarks Ken-ichi Ueda