

Language: English

Date : April 26(Fri), 2013, 15:00 ~ 16:00

Location : Cooperation Center, 4F Meeting Room, W426
(研究交流棟4階会議室 W426)

Title : Towards efficient manufacture
of functional devices and surfaces
with dynamically structured light

Speaker : Dr. Geoff Dearden
(University of Liverpool, UK)

Ultra short pulse laser (USPL) processing of materials has undergone rapid advances due to the wide range of possibilities including highly selective ablation, the creation of laser induced period surface structures (LIPSS) and the inducing of material changes due to non-linear multi-photon absorption at high energy densities. This presentation will give an overview of research at the University of Liverpool aimed at creating dynamically structured USPL light and exploring how this may be applied in novel approaches for efficient manufacture of functional devices and surfaces. The use of a spatial light modulator (SLM) is common to these approaches.