Laser FIB: Industrial Applications

Thursday 23 June 2016

Institute for Manufacturing, University of Cambridge, UK

Agenda

09.30-10.00  Registration and refreshments

10.00-10.10  Welcome and Introduction
Martin O’Hara, National Strategy Manager
EPSRC Centre for Innovative Manufacturing in Ultra Precision, Cranfield University

10.10-10.40  Focused ion beams for industry
Dr Richard Langford, Head of the Cavendish Microscopy Suite
University of Cambridge

10.40-11.10  FIB fabrication for metamaterials
Dr Xu Fang, Lecturer
University of Southampton

11.10-11.40  BREAK

11.40-12.10  Micro and nanostructuring mechanical and optical devices by focused ion beam
Prof Xichun Luo, Professor in Ultra Precision Manufacturing
University of Strathclyde

12.10-12.40  Gallium and inert-gas FIB methods for superconducting, nanomechanical and plasmonic devices
Prof Paul Warburton, Professor of Nanoelectronics
University College London

12.45-14.15  LUNCH  will be served in the common room

TOURS  will depart from the reception area


14.15-14.45  Large volume 3D characterization and micromachining using a plasma FIB DualBeam
Dr Rene Dobbe, Product Marketing Manager
FEI

14.45-15.15  Multi-scale high precision machining with ion beams
Dr Fabián Pérez-Willard, Market Segment Manager, Materials Science
Carl Zeiss Microscopy GmbH

15.15-15.45  Increasing the productivity of ultra precision machining through FIB/Laser hybrid processing
Prof Bill O’Neill, Director of the Centre for Industrial Photonics
Institute for Manufacturing, University of Cambridge

15.45  Closing Remarks
Martin O’Hara, National Strategy Manager
EPSRC Centre for Innovative Manufacturing in Ultra Precision, Cranfield University

Refreshments will be served after the event

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