

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
Group 1: 13.20 Group 2: 13.25 Group 3: 13.30 Group 4: 13.35 Group 5: 13.40
- 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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