Micro Manufacturing

Wednesday 25 February 2015

The Manufacturing Technology Centre, Coventry

Tilly Shilling Conference Room

Agenda

09.30-10.00  Arrival and Registration

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

10.10-10.40  An Introduction to The Manufacturing Technology Centre
Professor Ken Young, Technology Director
The Manufacturing Technology Centre

10.40-11.10  Laser-Initiated Liquid-Assisted Microstructuring of Surfaces
Dr Magdalena Ulmeanu, University of Bristol

11.10-11.30  BREAK

11.30-12.00  Advantages of Sensing and Programmability in Nano-/Micro-Robotics
Dr Ian Holton, Acutance Scientific

12.00-12.30  Microinjection Moulding – A New Avenue in Manufacturing
Dr Cristina Tuinea-Bobe, Research & Knowledge Transfer Development Officer
University of Bradford

12.30-13.45  Networking Lunch and Tours
Tour 1 and Tour 2

13.00-13.45  Tour 1 and Tour 2

14.00-14.30  Microstructuring by Diamond Machine Turning
Dipl.-Ing. Oltmann Riemer, Head of Department
Laboratory for Precision Machining LFM, University of Bremen, Germany

14.30-15.00  Nanoscale Plasma Etching
Colin Welch, Principal Applications Engineer
Oxford Instruments Plasma Technology

15.00-15.30  Turning a Science into a Process
Gary Marriott, Technical Sales Manager
Muhammad Eesa, Technical Research Manager
Advanced Chemical Etching Ltd

15.30-15.50  BREAK

15.50-16.20  Disciplines and Tooling for Mechanical Micro Machining
Arthur Turner, Rainford Precision Machines Ltd

16.20-16.50  The Next Generation of Micro Injection Moulding using Ultrasonics
Enric Sirera, Ultrasion SL, Spain

16.50  Closing Remarks
Martin O’Hara

17.00-17.45  Tour 3