

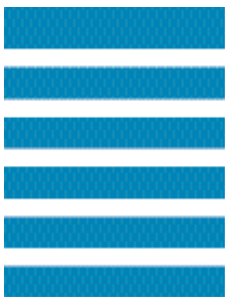
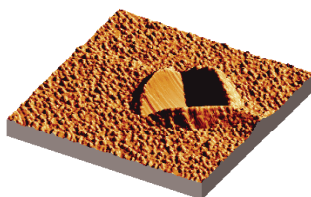
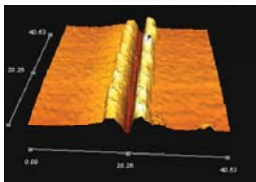
Micro Materials Nanomechanical Testing Workshop - An innovative tool in intelligent materials design

Tuesday 9th March 2010

Micro Materials Ltd

Yale Business Village

Wrexham LL13 7YL



LOT - Oriel Ltd.
1 Mole Business Park,
Leatherhead,
Surrey KT22 7BA

T: 01372 378822
F: 01372 375353
E: info@lotoriel.co.uk
www.lotoriel.co.uk

- 09:30 Registration and coffee
- 10:00 Welcome and introduction
Roslyn Lloyd, LOT Oriel
Denise Hoban, Micro Materials Ltd
- 10:10 **Session 1: Introduction to nanomechanics**
- nanoindentation and nano-scratch
Dr Ben Beake, Micro Materials Ltd
- 10:40 **Session 2: Non-ambient nanoindentation**
Making an impact - testing at high strain rate
Dr Ben Beake, Micro Materials Ltd
- 11:00 **Nanoindentation and Nano-scratch of polymers and biomaterials in liquids**
Dr Ben Beake, Micro Materials Ltd
- 11:15 Coffee
- 11:35 **Session 3: Probing temperature dependent mechanical properties**
Nanomechanics at high (up to 750°C) and low (down to -50°C) temperatures
Dr Ben Beake, Micro Materials Ltd
- 12:05 **Session 4: Extreme Applications**
Using nanomechanics to optimise anti-wear coatings
Dr Ben Beake, Micro Materials Ltd
- 12:35 Lunch
- 13:30 Demonstration of NanoTest System
- 15:30 Discussion/Close

 **Micro Materials**
Excellence in Nanomechanics

