

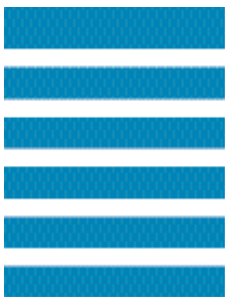
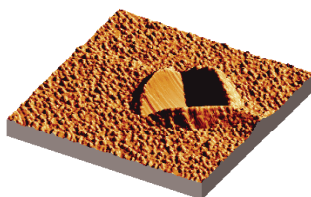
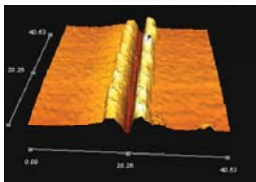
# Micro Materials Nanomechanical Testing Workshop - An innovative tool in intelligent materials design

Tuesday 9th March 2010

Micro Materials Ltd

Yale Business Village

Wrexham LL13 7YL



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- 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

