

A joint UKSAF / MNT Measurement Club Workshop - Tuesday 9th & Wednesday 10th January 2007

Advanced Data Processing Techniques for Surface Analysis
&
Surface Chemical Analysis for Nanoscale Measurement

Quantitative XPS of surface nano-structures by analysis of the peak shape. Professor Sven Tougaard, University of Southern Denmark.

A guide to the practical use of Chemometrics - with applications for static SIM. Ms Joanna Lee, National Physical Laboratory.

Monte-Carlo methods. Dr Alan Carrick, Acolyte Science.

Data processing for angle-resolved XPS studies. Dr Kevin Robinson, Thermo Fisher Scientific.

Time-of-Flight Secondary Ion Mass Spectrometry for the molecular characterization of organic surfaces. Professor Patrick Bertrand, Unité de Physico-Chimie et de Physique des Matériaux, Université Catholique de Louvain

Characterization of morphology and electronic properties of surface nano-structures by photo- and reflection electron spectroscopy. Professor Sven Tougaard, Department of Physics & Chemistry, University of Southern Denmark.

Nanoindentation & Microscopy: gaining an insight into the small-scale mechanical properties of materials. Professor Trevor Page, School of Engineering & Advanced Materials, University of Newcastle upon Tyne.

The development of the UK MNT Network and its relevance to the nano-bio supply chain. Professor Hugh Clare, Director, MNT Network.

Investigating the surface chemistry of chiral heterogeneous catalysis. Dr Chris Baddeley, School of Chemistry, University of St. Andrews.

Self-assembled monolayers on silicon surfaces. Dr Ben Horrocks, School of Natural Sciences, University of Newcastle upon Tyne.

Some novel nanomaterial processings. Dr Lidija Siller, Institute for Nanoscale Science & Technology, University of Newcastle upon Tyne