

**Aberration Corrected and Quantitative (S)TEM & Advances in Tomography III,
11 & 12 April 2011, Mappin Hall, University of Sheffield, UK**

Programme

Day I Monday 11 April 2011 TEM

Focus on

- **Aberration Correction in TEM/ STEM**
- **Monochromation and Energy filters**
- **In-Situ TEM, Dynamic TEM**
- **Atomic resolution TEM**
- **Quantitative Image Interpretation**

09:00 – 09:30	Registration
09:30 – 10:00	Quantitative scanning transmission electron microscopy of nanoclusters Jun Yuan (York)
10:00 – 10:30	Aberration-corrected imaging and spectroscopy for atomic-scale chemical analysis of nanostructure Lothar Houben (Juelich)
10:30 – 11:00	The secret lives of nanoparticles: Mapping phase diagrams for metal and metal oxide nanoparticles Angus Kirkland (Oxford)
11:00 – 11:30	Coffee break
11:30 – 12:00	contributed talk
12:00 – 12:30	Instrumentation for improved atomic imaging and measurements Max Haider (Heidelberg)
12:30 – 13:00	contributed talk
13:00 – 14:30	Lunch
14:30 – 15:00	Title TBC Th. Walther/ I.M. Ross (Sheffield)
15:00 – 15:30	contributed talk
15:30 – 16:00	Title TBC David Bell (Harvard)
16:00 -	slots for optional manufacturers presentations (10min)

Day 2, Tuesday 12 April 2011 Tomography

Focus on:

- **Biological objects (TEM, light microscope)**
- **Materials objects (TEM, SEM, FIB, X-rays)**
- **Multidisciplinary Tomography**
- **Novel Optical & Diffraction Tomography**
- **Reconstruction algorithms**

09:00 - 09:30	Registration
09:30 – 10:00	Title TBC T Starborg (Manchester)
10:00 – 10:30	Next steps towards quantitative electron tomography Sara Bals (Antwerp)
10:30 – 11:00	Non-destructive and quantitative imaging by ptychographic hard X-ray scanning microscopy Andreas Schropp/ Christian Schroer (Dresden)
11:00 – 11:30	Coffee break
11:30 – 12:00	contributed talk
12:00 – 12:30	Exploring the micron and sub-micron scales by X-ray tomography Phil Withers (Manchester)
12:30 – 13:00	contributed talk
13:00 – 14:30	Lunch
14:30 – 15:00	Nanostructured materials: from dry to wet samples H Friedrich (Utrecht)
15:00 – 15:30	contributed talk
15:30 – 16:00	TBC
16:00 -	slots for optional manufacturers presentations (10min)