

Taking place at the University of Oxford's Department of Engineering Science and Trinity College, Oxford. Hosted by Diamond Light Source.

Co-chaired by Ian Robinson (UCL, UK) and Alexander Korsunsky (Oxford University, UK)

Size-StrainVII

Diffraction analysis of the microstructure of materials **Oxford UK 21-24 Sept 2015**

Scope:

The Size-Strain VII (SS-VII) talks will focus on materials microstructure and properties, with a special interest in the application of diffraction techniques to polycrystalline materials, methodologies for the study of lattice defects, residual stress and texture in thin films, surfaces and nanostructures, line-broadening analysis, line-profile fitting and modelling based on fundamental parameters for applications in materials science problems. New topics, added at SS-VI, were microbeam diffraction and coherent diffraction. SS-VII will add X-ray and neutron imaging, and PDF (pair distribution function) analysis to the list of methodologies covered.

Confirmed invited speakers:

Clare Grey (Cambridge University, UK)

Thomas Hansen (ILL, France)

Felix Hofmann (Oxford University, UK)

Silke Kurz (MPI Stuttgart, Germany)

Alberto Leonardi (University of Trento, Italy)

Reinhard Neder (University of Erlangen-Nürnberg, Germany)

Cev Noyan (Columbia University, USA)

Tobias Schulli (ESRF, France)

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