



Spring 2005 Conference on EPSRC-ILL Millennium Projects

May 25-27, ILL Grenoble, France



Speakers

- Albinati, Alberto (Milan) Structure and Dynamics of Transition Metal Hydrides
Attfield, Paul (Edinburgh) The Super-D2B project: Welcome and Overview
Battle, Peter (Oxford) Solid state chemistry of oxides and nitrides
Carlile, Colin (ILL) Welcome by the Director
Ceretti, Monica (Rennes) A decade of stress analysis by neutron diffraction at the LLB
Davidson, Matt (Bath) Strong Weak Hydrogen Bonds
Eccleston, Roger (Sheffield Hallam) Opportunities for a Centre of Industrial Collaboration
Edwards, Lyndon (Open University) Nuclear Applications of Neutron Stress Measurement
Enderby, Sir John (IOP and RS) Guest of Honour Dinner Speaker
Forsyth, Trevor (Keele and ILL) The structure of PPTA (Kevlar) from neutron fibre diffraction
Grage, Stephan (Karlsruhe) The Mechanosensitive Channel Protein MscL
Guerard, Bruno (ILL) Large Gas Filled 2D Neutron Detectors
Howard, Judith (Durham) The D19 Detector Project: Welcome and Overview
Hutchings, Michael (Open University) The Early Days of Strain Measurement at UKAEA
James, Neil (Plymouth) The Potential Impact of FaME38 on Engineering Science
Jones, Peter (Pro Vice Chancellor, Keele) Official Opening of the Deuteration Laboratory
Kuhs, Werner (Gottingen) Prospects for structural studies on ice phases and clathrate hydrates
Lawrence, Jayne (King's College London) Deuteration in the study of gene delivery systems
Margadonna, Serena (Edinburgh) Ammoniated alkali fullerides at large interfullerene separations
McCabe, E.E. and Greaves, Colin (Birmingham) Characterisation of $\text{Bi}_2\text{Sr}_{1.4}\text{La}_{0.6}\text{Nb}_2\text{MnO}_{12}$.
Oliver, Ed (ISIS) Phase Transformations
Paradowska, Anna (Monash) Investigation of Residual Stress in Single and Multi-Bead on Plate
Parrot, Ingrid (Keele & ILL) Selective deuteration studies of DNA: new results from D19
Podjarny, Alberto (Strasbourg) Neutron and X-ray studies of perdeuterated Aldose Reductase
Preuss, Michael (Manchester) Residual stresses in friction welded aeroengine components
Redfern, Simon (Cambridge) Phase transitions and minerals
Ruiz-Hervias, Jesus (Madrid) Residual stresses and stress corrosion behaviour in eutectoid steel
Sittner, Petr (IOP Czech Republic) Deformation/transformation processes in NiTi
Steed, Jon (Durham) Strong Hydrogen Bonding
Steuwer, Axel (Fame38) Recent Developments at FaME38
Suard, Emmanuelle (ILL) The Super-D2B Instrument
Thomas, Bob (Oxford) The important role of deuteration in neutron reflection experiments
Van Vuure, Thorwald (ILL) Manufacture and test of the new D19 banana
Watts, Anthony (Oxford) Deuterium labelling in solid state NMR studies of membranes
Webster, Peter (Salford) The FaME38 Engineering Laboratory



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Posters

- Budayova-Spano, Monika (EMBL/ILL) Large protein crystal growth for neutron crystallography
- Cardin, Christine (Reading) Bis-intercalator molecules and higher order DNA motifs
- Evans, Alex (ILL) Determination of laser shock peening residual stresses by neutron diffraction
- Fragneto, Giovanna (ILL) Translocation domain of diphtheria toxin in model membranes
- Haertlein, Michael (DLAB Grenoble) THE ILL-EMBL Deuteration Laboratory
- Helliwell, John R (Manchester) Neutron protein crystallography (nPX) development
- Hewat, Alan (ILL) Very high intensity diffractometers on continuous neutron sources
- Hutchings, Michael T (Open University) Strain Response to Uniaxial Stress in Annealed Mild Steel
- Magen, Cesar (ICMA Aragon) The magneto-caloric compounds $RE_5(Si_xGe_{1-x})_4$
- Meilleur, Flora (ILL) Neutron Macromolecule Crystallography with LADI
- Mikula, Pavol (Rez) Bent perfect crystal monochromator at the monochromatic focusing condition
- Muransky, Ondrej (Salford) Austenite transformation kinetics in Mn-Si TRIP steel
- Oliver, Edward (CCLRC) Displacive phase transformations
- Pirling, Thilo & Bruno, Giovanni (ILL) SALSA, Strain Analyser
- Redfern, Simon (Cambridge) High-T disorder in oxides: insights for the deep Earth?
- Ross, Keith (Salford) Neutron scattering and hydrogen storage
- Sitepu, Husin (Virginia Tech.) R-phase in Ti-Ni-Fe shape memory alloy
- Smirnova, Olga (Aveiro, Portugal) Ion Dynamics in $N_{0.8}Ni_{0.6}Sb_{0.4}O_2$, A New Mixed Antimonate
- Stephenson, Richard (University College London) CCP14: Collaborative Computer Project No14
- Swallowe, Gerry (Loughborough) Strain Distribution in loaded Double Lap Adhesive Joints
- Teixeira, Susana (ILL and Keele) IMPase, target of the mood-stabilising drug lithium
- Vrana, Miroslav (Rez) Bent perfect crystal monochromator at the monochromatic focusing
- Wills, Andrew (University College London) Spin transfer in Prussian blue
- Zhang, Lingfei (Salford) Deuteration in the study of gene delivery systems