

# British Crystallographic Association - Industrial Group Autumn Meeting

Thursday 9<sup>th</sup> November 2006  
Pilkington European Technical Centre

## Impact of Crystallography in an Industrial Environment

### Programme

- 10:00           **Coffee & Registration**
- 10:30 – 10:40   **Welcome**  
Jeremy Cockcroft, Chair of the Industrial Group
- Morning Session Chair: Jeremy Cockcroft
- 10:40 – 11:00   **Introduction to Pilkington**  
Mary Ormsby, Senior Manager, Head of Off Line Coatings and Science Support Group
- 11:00 – 11:30   **High Throughput Screening: How to use Raman Spectroscopy and XRPD Together.**  
Gordon Barr, Department of Chemistry, University of Glasgow
- 11:30 – 12:00   **The Evolution Of FAFNIR, And The Application Of FENRIS To Crystallite Size And Strain Determinations In Pyrolytic Silicon Carbide.**  
Ian Ferguson, Retired (UKAEA).
- 12:00 – 12:30   **Combinatorial CVD- X-ray powder diffraction mapping for the formation and quantification of new coatings on glass**  
Prof Ivan P Parkin, Department of Chemistry, University College, London
- 12:30 – 14:00   **Lunch and tour of Pilkington Exhibition**
- Afternoon Session Chair: David Taylor
- 14:00 – 14:20   **Applications of XRPD and X-ray Reflectometry in the glass industry**  
Mark Farnworth, Off Line Coatings and Science Support Group, Pilkington Group Ltd.
- 14:20 – 14:40   **The role of XRPD at BP**  
Andrew Hodge, BP Chemicals, Saltend, Hull.
- 14:40 – 15:00   **Dog Food 'n Diffraction**  
Richard Morris, Morris Analytical X-ray Ltd, Oldbury
- 15:00 – 15:20   **Characterisation of Advanced Semi-conductor Materials using HR XRD and how this compares with other techniques, such as TEM, PL, SIMS.**  
Chris Staddon, School of Physics & Astronomy, University of Nottingham
- 15:20 – 15:40   **Powder X-ray Diffraction for Process and Product Support in Shell Global Solutions**  
Graham C. Smith, Shell Global Solutions UK,
- 15:40 – 16:00   **Applications of X-ray Powder Diffraction (XRPD) at the Health and Safety Laboratory (HSL)**  
Peter Stacey, Health and Safety Laboratory, Buxton.
- 16:00           **Tea and Discussion**
- 16:30           **Close**