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The logo for the Ceramics and Composites Laboratory (CCL) at The University of Sheffield. It features the letters 'CCL' in a large, bold, black sans-serif font, centered between two horizontal yellow bars.

Ceramics and Composites Laboratory
The University of Sheffield

Publications

PA Bingham, RJ Hand, SD Forder, A Lavaysierre, F Deloffre, SH Kilcoyne & I Yasin, "Structure and properties of iron borophosphate glasses", Phys. Chem. Glasses: Eur. J. Glass Sci. Technol. B 47 (2006) 313-317.

FM Zhao, Z Liu and FR Jones, "Photoelastic determination of interfacial shear stresses in model composites", Key Engineering Materials, Volumes 334-335, 2007, pp.289-292.

KR Whittle, GR Lumpkin, FJ Berry, G Oates, KL Smith, S Yudintsev and NJ Zaluzec "The structure and ordering of zirconium and hafnium containing garnets studied by electron channelling, neutron diffraction and Mossbauer spectroscopy" - J Solid State Chemistry Vol 180 (2007) pp. 797-803. An image from this paper was chosen for the Journal's cover artwork.

Out and about

Derek Sinclair and Ian Reaney attended the Electronic Symposium of the Annual Conference on Advanced Ceramics and Composites, organised by ACERS at Daytona Beach, Florida, USA. They gave invited presentations on 'TTB structured ceramics' and 'CaCu₃Ti₄O₁₂'.

Tony West gave a Departmental Seminar at the University of Surrey entitled "Electroceramics - from solid state chemistry to materials engineering" on the 1st February.

Sanyo visit

Tony West took part in a meeting with members of Sanyo, Japan. Sanyo are considering establishing a European Research centre in Sheffield and have expressed an interest in dielectric materials. Tony presented the facilities and experience of the department in relation to dielectrics research. The meeting was joined by Prof Andy Bell, who presented similar information for the materials department in Leeds.

Funding success

Congratulations to Denis Pasero who has received 3200 € to support collaborative work in Hamburg, Caen and Madrid. The funds for this work have come from FAME.

Good luck

Alan Barnes left the CCL at the end of January. I am sure that you will all join me in wishing him the best of luck for the future.

Departmental seminars

The following departmental seminars may be of interest to CCL members:

- 14 Feb Dr Isaac Abrahams “Defects and Dopants - Structure Stability and Conductivity in Bi₂O₃ Based Solid Electrolytes”
- 18 April Dr Richard Walton “Inorganic Materials Synthesis”
- 25 April Prof Alfred Cerezo “The 3-D Atom Probe: Chemistry of Materials at the Atomic-Scale”
- 2 May Dr Jamshed Anwar “Science, Rational Thought, and Faith”
- 16 May Dr Neil R Cameron “Functional Porous Macromolecular Materials”
- 23 May Dr Giuseppe Battaglia “Self-assembling Polymers: Properties and Applications”

Best Wishes Helen Fletcher H.L.Fletcher@sheffield.ac.uk
