
In this issue:

- Publications
- Out and about
- New CCL member
- Changes to the processing of EPSRC grants
- Funding awarded
- Discounts in stations



Publications

Adams TB, Sinclair DC, West AR, "Decomposition reactions in $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ ceramics", J. Amer. Ceram. Soc. 89 (9): 2833-2838 SEP 2006

Out and about

Karl Whittle went to ANSTO (Australian Nuclear Science and Technology Organisation), based in Lucas Heights, Sydney, New South Wales. It is the location for both nuclear waste development and the Bragg institute (X-ray and Neutron diffraction). He was there to help develop a collaboration he has with some of the people there. The majority of the time there Karl worked to develop a theory of radiation stability based on the bonding present in a structure. He gave a talk on this while there, titled "Radiation Stability in $\text{A}_2\text{B}_2\text{O}_7$ - an MO interpretation", which he is also due to give at the MRS meeting in November this year. The second part of Karl's work was to develop a new method for determining the degree of disorder in structures using both X-ray diffraction and neutron diffraction.

N. Reeves and Y. Wu spent a day performing neutron diffraction using an instrument called Super-D2B. They got the time through a special UK access programme. It (D2B) has been significantly upgraded over the last few years, and in recognition of the fact that this was partly funded by EPSRC some time was held back to be awarded only to UK users. The samples investigated were $\text{Li}_x\text{Co}_{1-x}\text{O}$ and other Li-based oxides.

Peng Zheng attended the 20th European Conference on Biomaterials (ESB2006) held in Nantes, France from 27th Sept ~ 1st Oct. She presented a poster titled '3D surface reconstruction and FIB microscopy of worn alumina on alumina ceramic hip prostheses following in-vitro microseparation'.

Tony West visited Nagoya in Japan from 30 October to 3 November to attend the International Workshop on Advanced Ceramics (IWAC) where he presented an invited lecture: "Recent Advances in Homogeneous and Heterogeneous Electroceramics".

Mark Rainforth attended the One Day Meeting on Research in Advanced Ceramics on the 9th November 2006 at the School of Materials University of Manchester. Mark gave a talk entitled "Focused ion beam studies of worn ceramic surfaces".

Derek Sinclair gave an invited talk entitled 'Dielectric properties of $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ and related phases', in Symposium on Science and Technology of Dielectrics for Active and Passive Devices at the 210th Electrochemical Society Meeting in Cancun, Mexico, Oct 29th to Nov 3rd 2006.

New CCL member

Welcome to Emma McCabe who has recently join the CCL. Emma has come from The University of Birmingham and she will be working with Tony West.

Funding awarded

Dr Russell Hand has been awarded a grant of £8,058 by EPSRC for support of Esg'2006 conference in Sunderland.

Discounts in stations

A new scheme has been launched that could save you money when you are out and about. Bitecard is a free card that offers a 25% discount at a selection of food and drink outlets in all stations. These outlets include uppercrust, and burger king. To apply you go to the weblink below:
<http://www.bitecard.co.uk>

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