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Visitors to the CCL

On the 4th May Tony West hosted a meeting as part of the FAME project. The aim of the meeting was to discuss the management and reporting of the work package that Tony heads.

Prof. R Kanno (from Tokyo University) and Prof. A Jacobson (from Houston University) will be visiting the CCL from the 5th - 9th June. They will spend time with members of Tony West's group discussing Li ion batteries and mixed conducting oxides respectively.

Publications

Maso N, Beltran H, Cordoncillo E, Escribano P, West AR, "Electrical properties of Fe-doped BaTiO₃" J. Mater. Chem. 16 (17): 1626-1633 2006

Zhang SW, Jayaseelan DD, Bhattacharya G, Lee WE, "Molten salt synthesis of magnesium aluminate (MgAl₂O₄) spinel powder", J. Amer. Ceram. Soc. 89 (5): 1724-1726 2006

New CCL member

Welcome to Liang Hou who has recently join the CCL in late March. Liang will be working with Frank Jones and Simon Hayes on the self-sensing and healing of aerospace composites for 2 years.

Out and about

Gabi Miles went to Malaysia for 10 days (9th - 20th) to assist Khaw and Kar Ban with their structural studies on XRD and ND data - and to supervise them writing up the structure chapter of their PhD theses (Characterisation of pyrochlore phases in the system ZnO-Bi₂O₃-Ta₂O₅ Khaw, Characterisation of pyrochlore phases in the system ZnO-Bi₂O₃-Nb₂O₅ Kar Ban).

Members of Tony West's group have attended a meeting entitled "New Directions in Materials Chemistry" at Liverpool University on the 7th June. The meeting has been supported jointly by the CCL and Matt Rosseinsky's Portfolio Partnership who are each covering the costs of one invited speaker. Denis Pasero gave a presentation on "Oxygen Non-stoichiometry in some Lithium Ion Battery Materials".

Funding success

Hong Zheng has been awarded a WUN Exchange scheme grant of £1400 to undertake research at the University of Nanjing, P. R. China for 3-4 weeks in September this year.

Frank Jones has received funding from the "Research assistants industrial secondments funded from the EPSRC Collaborative Training Account" scheme that the University ran. The funding received is for two projects:

1. The long term durability of glass-rubber composite and validation of a micromechanical model (£29,447), working with NGF Europe Ltd.
 2. Interaction of new high strength glass fibres with epoxy resins for wind farm rotor blades (£29,201), working with European Owens Corning.
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Industrial Forum

We are planning to hold an Industrial Forum for the CCL on the 7th September. The event is planned to help the CCL strengthen its links to industry. We will have a mixture of talks, some from industry, some from CCL academics and some from CCL PDRA's. We also plan to have a poster session. Can everyone try to keep the date clear in their diary so that they are able to attend.

Confirmed external speakers are:

Paul Curtis, Qinetiq
Andy Hosty, Morgan technical ceramics
David Payne, University of Illinois
Paul Hatton, Sheffield University
Jim Thomason, Owens Corning Fiberite

We hope the event will be of interest to a lot of relevant industry.

Technical Meeting

Thank you to everyone who gave up their time to give presentations at the CCL Technical Meeting last week. The talks were all of a high standard and the afternoon was a great success.

The next Technical Meeting will be planned for late summer/early autumn.

Best Wishes

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Diary dates:

Ryoji Kanno visiting the CCL June 5th-7th

Allan Jacobson is visiting the CCL June 7th-9th

Joint Sheffield-Liverpool Solid State Chemistry meeting 7th June

CCL Industrial Forum Meeting on 7th September.

Remember - you can check CCL events on our website:

<http://www.sheffield.ac.uk/ccl/calendar.html>