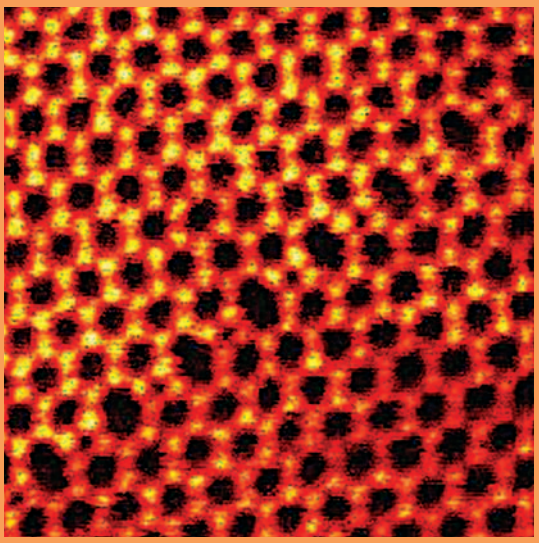
First Announcement



Characterisation, manipulation and fabrication on the nanoscale

EMAG 2007

Electron Microscopy and Analysis Group Conference 2007

3–7 September 2007

Glasgow Caledonian University &
The University of Glasgow

Institute *of* **Physics**

EMAG 2007

Electron Microscopy and Analysis Group
Conference 2007

Microscopists now not only have the ability to probe structure-property relationships at the sub-nanometre level but also to manipulate materials and fabricate structures on this scale. This continues to generate unprecedented opportunities to characterise matter at the atomic level and to fabricate new structures with novel mechanical, optical, electronic or magnetic properties.

The Electron Microscopy and Analysis Group's (EMAG) biennial conference has established a strong reputation as a key event in the calendars of the national and international microscopy communities, since its inaugural meeting in 1946 (then known as the Electron Microscopy Group). EMAG 2007 will continue this tradition in Glasgow, a city that has a long history in science, engineering and innovation. The superb transport links mean that EMAG 2007 will be easily accessible for day visitors as well as for delegates attending the whole conference and the advanced school. A high quality Trade Exhibition is at the heart of an EMAG conference. EMAG 2007 will build on the success of the Exhibition at the University of Leeds in 2005 with a mixture of exhibits and technical workshops to enable delegates to interact with vendors and witness the latest developments in microscopy and nanotechnology.

The scientific themes of EMAG 2007 will be addressed through invited and contributed oral and poster presentations. The plenary lectures will be delivered by Prof. John Chapman (Univ of Glasgow), Prof. Christian Colliex (Univ. Paris-Sud) and Prof. Mike Treacy (Arizona State Univ.) One of the principal features of the conference is the opportunity it gives to young researchers to present their work through both the symposia and the poster sessions. There will be prizes for the best student contributions. The Advanced School is designed for research students to enhance their appreciation of some of the key scientific issues of the conference.

The themes of EMAG 2007 will be:

- Advanced electron microscopy techniques;
- Investigating structure-property relationships in advanced materials;
- Nanophysics and nanotechnology.

Oral and poster contributions within any of these themes are invited. These may address topics such as:

- Imaging dynamic processes
- 3-D microscopy
- Aberration corrected microscopy
- In-situ microscopy techniques
- Biological materials
- Geological microscopy
- Advances in SEM & FIB (CL, EBSD, energy-filters)
- Detector technologies
- High spatial resolution chemical and structural analysis
- Surface imaging and modification
- Electron crystallography
- Functional materials
- Structural materials
- Catalytic materials
- Nano-materials
- Interfacial analysis

Details at http://www.iop.org/Conferences/

EMAG 2007

Electron Microscopy and Analysis Group Conference 2007

Advanced School : "Introduction to EELS and EFTEM," 3–4 Sept 2007

A two day, Advanced School on EELS and EFTEM on Monday 3rd and Tuesday 4th September will precede EMAG 2007. This will consist of a series of lectures and demonstrations by international experts and is aimed at postgraduate students and postdoctoral researchers who wish to learn how to use EELS/EFTEM in their research. The school will be held in the Dept of Physics and Astronomy at the University of Glasgow. Speakers will include Prof A J Craven, Prof R M Brydson, Dr D W McComb, Dr M Mackenzie and Dr A J Scott

Conference and Trade Exhibition, 5–7 Sept 2007

The Conference and Trade Exhibition will take place at Glasgow Caledonian University whose campus is located in the heart of Glasgow city centre. The campus is a one minute walk from Glasgow Buchanan St bus station which has fast, frequent links to Glasgow and Prestwick airports. Glasgow Queen St rail station is five minute walk for connections to Edinburgh and the East Coast mainline. Glasgow Central station is a ten minute walk for connections to the West coast mainline. The Trade Exhibition and posters will be housed in the Arc Health and Fitness centre, with all conference lecture theatres within a one minute walk.

Trade Exhibition

A major Trade Exhibition on electron microscopy and related technologies will be mounted in the Arc Health and Fitness Centre, at Glasgow Caledonian University, in parallel with the oral and poster sessions. The exhibition will be open for conference delegates and day visitors on 5–7 September 2007. To book exhibition space please contact, Jill Cowlard at the address below.

Exhibition enquiries

Jill Cowlard
Optimus Events Ltd
(part of The CEM Group)
1 Doughty Building, Crow Arch Lane
Ringwood BH24 1NZ, UK
Tel: 01425 485040
Fax: 01425 483573
E-mail: **jill@cemgroup.com**

Accommodation

Modern ensuite accommodation has been reserved at Glasgow Caledonian halls of residence. The halls are on campus within a few minutes walk of the lecture theatres and Trade Exhibition.

Social Programme

The social programme will include a Welcome Reception, a Trade Exhibition Buffet and the Conference Dinner.

General Enquiries

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http://www.iop.org/Conferences/

Conference Chair: D W McComb
Programme Organisers: S E Donnelly, R T Baker
Proceedings Editors: P D Brown, G Moebus, R T Baker
Trade Exhibition Organisers: P Lander, K Meade and CEM
Advanced School Organisers: P Nellist, A J Craven, M MacKenzie
Local organisation: I MacLaren, M MacKenzie, M Doughty

Details at http://www.iop.org/Conferences/