News from Head of School

George Osborne Visit

The Chancellor of the Exchequer visited the Centre for Mesoscience and Nanotechnology in the School of Computer Science on October 3rd to see for himself where the Nobel prize winning work on Graphene took place. He later announced a 50 million pound injection to help exploit the Graphene work and realize its potential for industrial applications. This amazing material is transparent, stronger than steel and an excellent conductor of electricity. Future applications could include flexible touch screens, faster computer chips and higher density storage devices.

The full University article can be found at: http://www.staffnet.manchester.ac.uk/news/display/?id=7484

Events

Nanomagnetics and Graphene 5 Oct 11
Dr. Matthew Bryan, University of Sheffield
1615, Atlas 1, Kilburn Building.

Contributions to Nanomagnetism and Nanoelectronics 5 Oct 11
- Past, Present and Future.
Dr. Mihai Cerchez, Condensed Matter Physics Laboratory, Heinrich-Heine-Universität Düsseldorf, Germany
1100, Atlas 1

UG Open Day Volunteers STILL REQUIRED 8 Oct 11

Having navigated confirmation and clearing, our attention is turning to the upcoming Undergraduate Open Day, scheduled for Saturday October 8th. The October Open Day is the key recruitment event in the 2011/12 calendar and an opportunity to speak directly to students considering joining undergraduate programmes in September 2012. The day is all the more important given that these students will be the first to pay higher level tuition fees. In order to make the day a success we are in need of a number of volunteers to give talks, run demos, chat to prospective students and their parents, and generally help us present the School as a welcoming and vibrant place to study. Please contact Jez Lloyd in External Affairs asap.

Snoopy on Radar and Phased Arrays and Their Amazing Breakthroughs and Einstein’s Duality Theory 10 Oct 11
Dr. Eli Brookner, Principal Engineering Fellow with Raytheon Integrated Defense Systems.
1200, Room C-24 (The HIVE), Sackville Street Building (No. 1 on Campus Map)
More Information

RCS Research Computing Courses dates in Oct-Nov 11

IT Services for Research is running its popular series of courses aimed at staff and postgraduates who run computer simulations as part of their research. These courses are free to all University researchers and are aimed at passing on skills to help with the computational aspect of research.
Full details on each of the above courses, and the application process, are available from the course [website](#).

**LMS Computer Science Colloquium 11 Oct 11**

The aims of the meeting are to showcase state of the art scientific computing applications, to identify some of the challenges posed by next generation high performance machines and indicate promising approaches to tackling the problem. Tuesday 11 October, 10.30. 16.30 De Morgan House, 57-58 Russell Square, London, WC1B 4HS. (Nearest tube: Russell Square) [More Details](#)

**Support Staff Meeting 13 Oct 11**

There will be a support staff meeting with Ursula and Jim Miles on Thursday, 13th October at 1200 in Atlas 1/2.

**CS Away Day 4 Nov 11**

The School is planning an away day for all academic staff and a number of PSS staff in CS on 4th November 2011. This is the last day of Reading Week and the day after the CS Research Symposium. It is likely to run from mid/late morning until the end of the afternoon and it will not be held very far away. We will be discussing a range of important topics that relate to the future of the School, and the outcome of the day will feed directly into the next School plan. I will provide further details as soon as possible, but in the meantime please could you put this in your diaries. Please could you reply to Lynn Howarth to confirm your presence.

**University of Manchester: Headstart 9 11 Nov 11**

We are now arranging the ninth running of HEADSTART, the University of Manchester's Leadership Development Programme. Completed applications should be endorsed by the candidate's HOS/line manager and Dean/Director as set out in the brochure link below. Applications should be sent to Emma Rygielska in STDU by 11 November. If a hard copy of this information is required, please contact Emma. If you require any more information about the Headstart programme please contact Paul Dixon.

- [HEADSTART Distribution Memo (doc)](#)
- [HEADSTART Brochure 2011 (pdf)](#)
- [HEADSTART 9 APPLICATION FORM (doc)](#)

**New Funding and Award Opportunities**

**EPS Faculty strategic fund 17 Oct 11**

In line with the Faculty’s long-term strategic plan we have managed to develop, and maintain, a small strategic fund to further support research and teaching activities across the Faculty. This investment is alongside our major strategic investments, which I will continue to highlight at the Faculty’s Open Meetings. Similar to last year, I would welcome short proposals (maximum 2-pages) to enhance our teaching and research activities as outlined in the attached document. All proposals must be submitted to Colin Bailey by 17th October 2011.

[Faculty of Engineering and Physical Sciences Strategic Fund](#)

**Royal Society International Exchanges Scheme 17 Oct 11**

*Aim:* This scheme is for scientists in the UK who want to undertake a collaboration with scientists overseas through either one-off visit or bilateral travel. **Eligibility requirement:** The scheme covers all areas of the life and physical sciences, including engineering, but excluding clinical medicine.

[More Information](#)

- China cost-share round closing date for approved applications: 10 October 2011
- 2011/R2 round closing date for approved applications: 17 October 2011
**RAoE - Engineering Enterprise Fellowships 21 Oct 11**

The Royal Academy of Engineering has launched a new scheme, Engineering Enterprise Fellowships, which provide funding and support to outstanding entrepreneurial researchers, working in UK Universities, to enable them to spend 12 months developing the commercial potential of their research. Deadline for applications is **Friday 21 October 2011**. Further details are available [here](#).

**Royal Society Research Grants 25 Oct 11**

Aim: This scheme provides ‘seed corn’ funding for new projects initiated by research scientists at an early stage of their career (within the first 5 years). The objective of the scheme is to increase the availability of specialised equipment, consumable materials and services, and to support essential field research. The scheme also provides support for research in the history of science or to assist with publication of scholarly works in the history of science.

**Subjects covered:** All areas of the life and physical sciences, including engineering, but excluding clinical medicine. Additionally, the scheme provides support for research in the history of science and we welcome any research proposal or publication in the area of Royal Society history.

**Eligibility:** Applicants must be resident in the UK. They should have postdoctoral level or equivalent status at the time of the application and have a permanent or a named limited-tenure position in an eligible organisation.

**Opening date:** 30 August 2011  
**Closing date for approved applications:** 25 October 2011

**RAEng’s Research Fellowship scheme 31 Oct 11**

The Academy’s Research Fellowship scheme is now open for applications. In brief, it’s a 5 year fully funded post-doctoral Research Fellowship scheme aimed at the best early career researchers. Applications are welcome from all engineering disciplines and applicants should have up to 3 year’s post-doctoral experience at the time of application. If you have any questions on the scheme please contact either [Angus Barker](#) or [Rob Barrett](#). The submission deadline for Stage 1 is **Monday 31 October 2011**. Full details are available on the website [Here](#).

**MRC E-Health Informatics Research Centres (E-HIRCs) Call 1 Nov 11**

The Medical Research Council, in partnership with Arthritis Research UK, the British Heart Foundation, Cancer Research UK, the Economic and Social Research Council, the Engineering and Physical Sciences Research Council, the National Institute of Health Research, the National Institute for Social Care and Health Research (Welsh Assembly Government), the Chief Scientist Office (Scottish Government Health Directorates) and the Wellcome Trust invite proposals for Centres of Excellence in research linking electronic health data. The Centres will pursue cutting-edge research, deliver innovative linkage and analysis of health-related data sets, build research capacity and expertise and act as an interface with industry, practice and policy with the aim of building and sustaining a vibrant health informatics research capability in the UK.

**RAEng Research Exchanges 4 Nov 11**

The next round of the of the Research Exchanges with China and India scheme run by The Royal Academy of Engineering is now due to start. The scheme provides funding to enable researchers in engineering departments at UK universities to spend time at academic centres of excellence in China or India, and academic engineering researchers in China or India to spend time at a UK university. The deadline for applications is 4 November 2011. Further information...
Royal Society Wolfson Research Merit Awards 8 Nov 11

Jointly funded by the Wolfson Foundation and BIS, this scheme aims to provide universities with additional support to enable them to attract to this country, or retain, respected scientists of outstanding achievement and potential. Awards are made to the university and as such researchers must remain at the university named on the application. Website

**Closing date for approved applications:** 08 November 2011

Toshiba Fellowship Programme 2012

The Toshiba Fellowship Programme offers outstanding PhD-level researchers studying or working in a UK academic or Governmental institution the opportunity to join Toshiba’s R&D Laboratories in Japan for up to two years on a Research Fellowship Contract. Applications for the 2012 intake are now open. The programme offers a generous package including support for the re-location of the successful candidate and their family.

**Key research topics for 2012:**
- Materials & Devices
- Media Technologies
- Mechanical Engineering
- Network
- Software

Other Research Topics

Proposals from applicants for new advanced research topics which are relevant to Toshiba’s research areas are also welcome.

For further information on the research topics, please visit: http://www.toshiba.eu/fellowship

**The closing date for applications for the 2012 Programme is 12th December 2011.**

**Further Information**

For queries, please contact Mr Yasuhiro Katsube (Senior Technology Officer for Europe) or Mr Ian Robinson/Ms Sheila Harkins (TFP Office) at Toshiba of Europe Ltd on 020 7332 9888 or email ian.robinson@toshiba-toel.com

Research Awards

eFuturesXD: Crossing the Boundaries
Funding Body: Newcastle University
PI: Steve Furber
Award Amount: £6063

Title: Smart and Low Power Memory Hierarchies for Multicore Systems
Funding Body: Royal Society
PI: Steve Furber
Award Amount: £66000