Upcoming Events

09 Dec  ARC Session on grant writing skills and strategies applications: Engineering and Physical Sciences.
When: 9 Dec, 1:00pm to 3:00pm
Where: QBI Auditorium, Building 79
Register: email workshops@research.uq.edu.au with the word “Three” in the subject line

9 Dec  Ultrafast terahertz conductivity studies of semiconductor nanowires, presented by Dr Michael Johnston, University of Oxford
Semiconductor nanowires show great potential as the building blocks of a new generation of electronic and optoelectronic devices. Currently it is difficult to characterise their electronic properties owing to the difficulty of making electrical contacts to individual wires. Terahertz spectroscopy is an excellent method of measuring the conductivity of ensembles of nanowires. Using this technique we have studied ultrafast charge transport in a range of III-V nanowires and established their potential for use in high-speed electronic devices. Michael Johnston is currently a Reader in Physics at the University of Oxford, where he leads a research group working on Terahertz Photonics. His current research interests include terahertz spectroscopy of semiconducting nanostructures.
When: 12pm
Where: 50-T105

15 Dec Pre –Graduation Function and Graduation

Graduations

A pre-graduation function will be held on Wednesday 15 December. It will be for all Mining, Mechanical and Material Engineering Graduates, and will be held in the St Leo’s Boardroom, in St Leo’s College from 8:30am till 11:00am. There will be a professional photographer taking photos of the student cohort, and academic attendance is strongly encouraged.

Need help with IT?

Please contact Faculty IT (helpdesk@eait.uq.edu.au) for all IT related enquired. The IT team will provide quotes where required (laptops) and provide accessories (e.g. laptop bags are kept in stock).

Green office

How can I recycle printer or toner cartridges?
It is easy to recycle printer or toner cartridges simply seal empty cartridges in plastic bags or boxes to contain the toner dust and send empty cartridges in SEALED plastic bags or boxes by internal mail to:
P & F Central Store, Glasshouse Road, St Lucia campus

Scholarships and Fellowships

Australian Bicentennial Scholarships & Fellowships: Applications are invited from Australian postgraduate students or academic staff members for Australian Bicentennial Scholarships and Fellowships tenable in 2010-11. Grants are available for research in the UK for 3 months. The closing date 1 April 2011, further information is available online: http://www.kcl.ac.uk/schools/humanities/depts/menzie/scholar/

Timetables - Sem 2, 2011

Deadline - 19th February 2011

The timetable team will contact course coordinators shortly to request information about semester 2, 2011 course timetable requirements. You can email your requirements to timetables@eait.uq.edu.au or alternatively, please contact Lisa directly (l.deacon@uq.edu.au or X57573) to arrange a convenient time to discuss your course requirements.

This is the last newsletter for 2010. We wish you a merry Christmas and a happy new year
Trek Nepal Challenge

In May 2011, PhD student Carolyn Jacobs will be completing the Trek Nepal Challenge for a children's development organisation called Plan. The aim of this Charity Challenge is to raise much needed funds for the "Because I am a Girl" campaign (http://becauseiamagirl.com.au/2010).

Did you know...?
- One in seven girls in the developing world marry before the age of 15.
- Over 60 million girls do not attend primary school.
- Girls in developing countries are three times more likely to suffer from malnutrition than boys.
- Millions of girls die in pregnancy and childbirth every year.

The Challenge involves a 5 day trek through the Nepalese Himalayan Mountains. Before undertaking this Challenge, Carolyn needs to raise $3000 for GirlsFund, so please dig deep and help her to reach this target. Donations of even $10 will make a big difference and all money will raised will go to GirlsFund. Carolyn has set up:
  All donations of $2 or more are tax deductible.
- a blog where she will post photos from training walks and give details of fundraising events (http://jacobsc.net).
- a Facebook page

Please help support all girls in the developing world by sponsoring Carolyn in her Challenge!

Christmas Collection

The School of Mechanical and Mining Engineering is taking a collection for the Salvation Army Christmas Appeal. If you wish to donate food or gifts to the appeal (please no money for safety reasons). Please drop it off to the SOMME office in the Hawken Engineering Building, by the 15th of December.

Suggested food items:
- Tin of ham
- Tin of salmon/fish/tuna
- Cans of vegetables
- Plum pudding
- Christmas cake
- Tin of fruit
- Packet of jelly
- Custard
- Bottles of soft drink
- Tin/packet biscuits
- Christmas goodies (nuts, lollies, pretzels, chocolates, etc.)
- Tea/coffee

Gift suggestions:
- New toys
- Clothing
- CDs
- Books
- Toiletry items

Children in need are the same as all other children and like to have the latest popular toys, gifts and clothing. Please remember children of all ages, including teenagers. We often experience a shortage of gifts for older children/teenagers, particularly adolescent boys aged 10-16 years.

Congratulations - recent grant awards

ARC Discovery Project Funding
- Dr Zhigang Chen, et al: Development of nanostructured sensors for ultra-sensitive, label-free and selective detection of biological and chemical species
- Dr Kamel Hooman: A novel air-cooled fuel cell system
- Dr Ya-Feng Yang: Net shape manufacturing of titanium alloys by powder metallurgy
- Prof Jin Zou, et al Understanding the role of catalysts in the epitaxial growth of multinary III-V semiconductor nanowires and nanowire heterostructures

Linkage Infrastructure, Equipment & Facilities (LIEF)
- Prof John Drennan, Prof Jin Zou, et al: Ultra-high resolution and advanced analytical scanning electron microscope facility
- A/Prof Ming-Xing Zhang, Dr Dong Qiu, Prof Arne K Dahle, A/Prof John A Taylor, Dr Matthew S Dargusch et al: Vacuum induction furnace for casting titanium alloys
- Prof John Zhu, Prof Victor Rudolph, Prof Joao C Diniz da Costa, Dr Greg R Birkett, Dr Bo Feng, et al: A novel high-pressure system for multiple gas adsorption
- Prof Jin Zou, Prof John Drennan, Prof Halim Gurgenci, Dr Zhigang Chen et al: An integrated system for measuring thermoelectric properties of advanced materials
- Andrej Atrens et al (Deakin): Facility for the development of new lightweight extruded alloys