School of Mechanical and Mining Engineering

SCHOOL NEWS

Upcoming Events

17 Sep  | Final exam papers (hard copy and soft copy on USB) due to the School office

18-19 Sep | Undergraduate Research Conference
When: 9:00am - 4:30pm
Where: Innes Room, UQ Union Complex,
Register for the conference (and 3MT) here

19 Sep  | Undergraduate Research Conference: The Great Debate
When: 5:30pm - 7:30pm
Where: Schonell Theatre
Download the invitation and register here

20 Sep | A Taste for Place? Architecture, Edification and Citizenship in Queensland
Further details: http://www.cccs.uq.edu.au/atch
When: 5:30 – 6:30pm
Where: UQ Art Museum, Building 11

21 Sep  | Final exam papers must be uploaded

02 Oct  | Supplementary/Deferred exam papers due to the Chief Examiner

08 Oct  | Supplementary/Deferred exam papers (hard copy and soft copy on USB) due to the School office

12 Oct  | Supplementary/Deferred exam papers must be uploaded

31 Oct  | The 2012 Chemical Inventory is due

Travel

Travel involving experimental work
If you are applying for travel that will involve any experimental work, ensure that appropriate procedures and risk assessments equivalent to UQ standards are in place for the work and that these are followed.

This applies even if the experimental work is to be undertaken in a laboratory at another university or research organization. Review the procedures and risk assessments that the organization has in place and, if there are not appropriate, complete a risk management analysis using the UQ system.

If your travel involves fieldwork outside a laboratory (http://www.uq.edu.au/ohs/pdfs/OHS-Work-OffCampus-Guideline.pdf), ensure that you

(1) complete or have completed successfully the Field Safety module on Blackboard,
(2) develop risk assessments for all work off-campus activities,
(3) develop a “Work Off-Campus Plan” (see example at http://www.uq.edu.au/ohs/pdfs/OHS-Work-OffCampus-Plan.doc) and have that approved by your supervisor prior to commencement of the fieldwork, and
(4) include the section for “Field Work Approval” in your travel application.

Navigating Bureaucracy - Tips and Tricks

Inductions
To ensure that we comply with OH&S requirements, all staff members must complete an induction on their first day. In order to facilitate an efficient process, all occupational trainees and visiting academics are contacted to confirm the date of their arrival, and we then advise them of the date and time of their induction. This advance notice allows us to make the necessary arrangements for their arrival.

UQ News

UQ deepens its relationships in Chile
UQ is the first university to sign an agreement with the world’s largest copper producer – The National Copper Corporation of Chile (CODELCO). This new agreement is the result of prior collaboration between COLDELCO and UQ’s Sustainable Minerals Institute (SMI) as well as the School of Mechanical and Mining Engineering respectively. Read more here: http://www.uq.edu.au/news/index.html?article=25133
UWA UQ Bilateral Research Collaboration Awards (BRCA):

Applications are now open for the UWA – UQ Bilateral Research Collaboration Awards (BRCA) for funding in 2013. The scheme provides funding for new or developing initiatives between collaborators from UQ and The University of Western Australia, which will lead to strengthened ties between the two institutions. A maximum of $20,000 will be available for each successful project, to allow multiple short-term exchanges between the two institutions during the 2013 calendar year. UQ-led applications must be submitted to UQ Research & Innovation (UQR&I) by 5.00pm, Thursday 27 September 2012. For more information on how to apply for the scheme, as well as a downloadable Application Form and Guidelines for Applicants, please visit: http://www.uq.edu.au/research/rid/internal-brca

UQ Postdoctoral Research Fellowships for Women – Update on Assessment Process

You will be aware that applications for 2013-2015 UQ Postdoctoral Research Fellowships for Women are closing with Schools, Centres and Institutes. Applicants were required to submit one original and two identical hardcopies of their completed application to their proposed administering organisational unit by Friday 7 September 2012.

Heads and Directors are reminded that we are now entering Part 1 of the assessment process, with applications to be assessed and ranked in the first instance at the School/Centre level. Specific details regarding this stage of the assessment process are outlined in the Information on Assessment Process document available on the UQR&I website at: http://www.uq.edu.au/research/rid/fellowships-women.

Supported eligible applications should be ranked and referred by you to the Faculty/Institute for further assessment no later than 17 September 2012. Each application should be accompanied by the Assessment by Head of School or Centre/Institute Director Form, available at the end of the attached document.

Further advice will be sent to Executive Deans/Institute Directors in early October regarding Part 2 of the assessment process. If you have any queries regarding the scheme, please do not hesitate to contact Vicki Sheehy at UQFellowships@research.uq.edu.au.

Bibliographic Data Collection

Each year, the University collects the bibliographic details of any research publications produced by UQ staff and students in the previous academic year. Data from the collection is reported to the Commonwealth Department of Innovation, Industry, Science, Research and Tertiary Education (DIISRTE) and is used internally by UQ to determine the allocation of Federal government money to the Faculties and Institutes. This information is also used for the Excellence in Research for Australia (ERA) collection and the Q-Index.

The bibliographic data collection for 2013 is underway (for publication year 2012). It is imperative that all relevant research publications are included in the submission. Note that this information should be given to school administrative staff by 30 November 2012 to enable the data to be entered into the database in time to meet central deadlines.

What work do I submit?

The four categories of research publications we report to DIISR are books, book chapters, peer reviewed journal articles and peer reviewed fully published conference papers.

What do I have to do?

Log-on to eSpace to view your publication list (http://espace.library.uq.edu.au/). There are three tabs:

- My Research – these are publications that belong to you. Check these are correct, and note if any are missing
- Possibly My Research? - this lists publications that may belong to you. You can claim or reject publications on this list
- Add Missing Publication – you can add missing publications here. The School is still happy to enter publications on your behalf so you can email your list of missing publication to enquiries@mechmining.uq.edu.au

If a publication is easily accessible, then we do not require a hardcopy (e.g. most referred journal papers are listed on the Web of Science, so you will not need to provide a hardcopy of these).

We will still require hardcopies of publications that are not as accessible, such as conference papers or book chapters. If you are unsure if you need to provide a hardcopy, email enquiries@mechmining.uq.edu.au for assistance.
Airbus Fly Your Ideas 2013
Registration now open!

Are you passionate about the environment? Do you have innovative ideas for a greener aviation industry? Do you want to pitch your ideas to a global aerospace leader? Here is your chance!

**Airbus Fly Your Ideas challenges students worldwide to develop ideas for a greener aviation industry. The 2013 competition is more exciting than ever before.**

Fly Your Ideas is open to teams of 3 to 5 students from around the world, studying a first degree, Masters or PhD in any academic discipline, from engineering to marketing, business to science and philosophy to design.

You have until 30 November 2012 to register your team online at [www.airbus-fyi.com](http://www.airbus-fyi.com); or check out the discussion board on the Fly Your Ideas Facebook app here where you can find other students who share your interests and could form a team with you.

The final will take place in June 2013 when the best teams will present their ideas to a panel of experts, for a chance to win €30,000.

**Find out more about innovation at Airbus and register your team at**
[www.airbus-fyi.com](http://www.airbus-fyi.com)

**It’s time to fly your ideas!**
Green Office Update

UQ Representatives Tackling Energy

Electricity was the largest source of greenhouse gas emissions at the University in 2011 with 71.5% of the emissions total. This quarter, the Green Office is focusing on reducing energy consumption at UQ, and wants to know what you are doing in your office to help. Saving energy can be achieved in a few simple steps, and if we all work together, we can have a greater impact. Here are a few suggestions:

- Switch off computer monitors during lunch breaks and at the end of the day
- Unplug appliances at the end of the day or over the weekend
- Purchase energy-star rated office equipment
- Install motion sensor lighting to help staff "Switch Off" when a room is left unattended. Contact P&F for further information.

Create an Action Plan this quarter to set goals that you want to achieve in your office. Find fun and innovative ways to engage your co-workers and encourage them to reduce their energy consumption. Implement monitor “switch off” contests with prizes for the best energy saver, and get the whole office to participate. If you have already implemented something similar in your office, great! We want to hear about how you’re promoting sustainable practices in your office. Successful initiatives could be highlighted in the next Newsletter, and who knows, you may even inspire another office representative to engage their office with a sustainable initiative.

Did you Know...

UQ has installed solar-LPG hot water systems at Gatton Campus and Moreton Bay Research Station, reducing energy consumption and greenhouse gases.

Saving Energy by the Thousands

Since the installation of the photovoltaic array in 2011, UQ has generated over 2,000,000 kWh of energy, which is a savings of more than $250,000! Photovoltaic panels are located on four buildings at the St. Lucia campus, and additional sites are located at Gatton, Moreton Bay Research Station and Heron Island Research Station. St. Lucia’s site contains over 5000 panels, which is equivalent to filling 1.5 rugby fields. Solar power is a great natural resource to obtain clean energy and reduce greenhouse gas emissions. This initiative is just one way UQ is committing towards having a sustainable campus. View live updates of the photovoltaic array and see how much energy UQ has generated today.

In a Hurry?

If you need to travel on campus, you can hire vehicles through P&F Fleet Services. Among the selection of cars, you can request hybrids and zero emission vehicles (ZEVs) that are powered through UQ solar with energy from the photovoltaic solar energy grid. ZEVs are available at St. Lucia and Gatton campuses and can be booked here.
Attention Coffee Lovers
Fairtrade coffee is now being offered at the three UQ Union locations on St. Lucia campus: Darwin’s, Pizza Caffè and Physiol Eatery and Café. UQ Union will be providing free fairtrade coffee to those who attend the Update Session on September 20th. Don’t forget to bring your UQ Sustainability KeepCup when you go and enjoy a nice hot cup of coffee!

Green Office Annual Report
Results from the 2012 Green Office Annual and Baseline Assessments are now available. The overall average for existing areas was 75%, an increase of 5% from last year, and improvements were made in all sections of the assessment! These results are a great reflection of the effort put in by our representatives and their desire to make our working environment at UQ more sustainable. For more details and full results, you can access the full report here.

Training Session: New and Improved
The Green Office New Representative Training Session has recently been updated to allow for more brainstorming and implementation of sustainable office initiatives. If you know of someone who would like to be a Green Office Representative, or if you would like to form a team in your office, invite them to the next Training Session on October 16th.

Energy Myth-Busting
1. Appliances don’t use energy when turned off
   - Myth! Many appliances will continue to consume energy even when switched off. Unplugging devices is the only way to ensure no energy is being used.
2. Leaving fluorescent lights on all day is better than turning them off and on
   - Myth! Even though frequent switching of lights on and off will reduce the lamp’s life, leaving them on for long periods of time will not only reduce the lamp’s life, but also increase the amount of times it will need to be replaced.
3. Energy efficiency = energy conservation
   - Myth! Energy efficiency means getting the same result by using less energy (e.g. using energy efficient equipment). Energy conservation means reducing the amount of energy used (e.g. dimming the lights).

Upcoming Events

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<tr>
<th>Event</th>
<th>Date</th>
<th>Details</th>
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<tr>
<td>Green Office Update Session, St Lucia - Biodiversity Tour</td>
<td>Thursday 20th September, 10:00-11:00am, Meet at Campbell Place, water refill station</td>
<td>Please RSVP by Tuesday 18th September to: <a href="mailto:greenoffice@pf.uq.edu.au">greenoffice@pf.uq.edu.au</a></td>
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<tr>
<td>World Car Free Day</td>
<td>Saturday 22nd September</td>
<td>For more information, visit: <a href="http://www.worldcarfree.net/">http://www.worldcarfree.net/</a></td>
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<td>New Representative Training Session, St Lucia</td>
<td>Tuesday 16th October, 9:30-11:30am, Brian Wilson Chancellory (61A), Room 560</td>
<td>To enrol, visit: <a href="https://staffdevelopment.hr.uq.edu.au/course/EM0009">https://staffdevelopment.hr.uq.edu.au/course/EM0009</a></td>
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For further information contact the Sustainability Office, Property & Facilities Division:
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