Upcoming Events

27 Jan  All course profiles to be published
30 Jan  ‘Using the Grade Centre in Blackboard’ training. You can enrol in the workshops through the Staff Development website.
9 Feb   Class sign-on opens for SoMME students
10 Feb  Getting started with Turnitin
        When: 2-3:30pm
        Where: 78-208
        RSVP: e.fink@uq.edu.au
20-24 Feb Orientation Week
27 Feb  Semester 1 commences

UQ Stories

The Sunday Mail’s North Qld correspondent is seeking research story ideas relevant to North Qld. If you are undertaking any research in or about North Qld please forward the details to Madeleine Flanagan (m.flanagan@uq.edu.au).

Building Managers

All job requests should now need to be sent to facilities@eait.uq.edu.au instead of directly to the building manager.

The Faculty has implemented a “ticketing system” for building management and repair jobs that is envisioned to work in much the same way that the IT ticketing system currently works in the faculty.

The drive behind this is to improve the level of service we receive from the building managers by allowing them to pool their resources and therefore be able to better balance their workloads, to allow for better coverage when a particular building manager is absent and, to allow better tracking of outstanding jobs.

Conferences

IEEE Robotics and Automation society are holding their flagship automation conference in Seoul, on August 20-24. They are proposing a special session on “Automation in Mining” as it fits in well with an emphasis the conference places on automation in heavy industries. For further details visit: http://www.case2012.org/index.html


How do I get a contract signed?

If you are presented with a contract, deed of confidentiality, occupational trainee convention or anything requiring a signature for a company or other organisation, please contact the School Manager (k.lamb@uq.edu.au) for advice. All such matters need the signature of either the Director, Research & Innovation Division or the Executive Director of Operations. The School Manager will assist with speedy resolution of the matter.

Tecplot

Tecplot has released a new product, Tecplot Chorus. Until 31 March 2012 it can be used as part of the Engineering site license for Tecplot 360. After that date if you want to use Tecplot Chorus there will be a price adjustment of approximately 20%.

More information on Tecplot Chorus is available on the Tecplot website. Basically Tecplot Chorus offers the advanced post-processing features found in Tecplot 360, plus: Powerful project management, Manage tens to hundreds of sets of CFD cases as a single project, Analytical functions, Data comparisons and batch plot creation, Calculate differences between field variables on a grid, Create and apply plot templates across a set of cases. For more information visit www.cts.com.au or email info@cts.com.au.
Flagship Collaboration Fund Clusters

The Flagship Clusters are significant high impact activities where CSIRO seeks to engage external partners to help us deliver against the National Research Flagship Program. Flagship Clusters will be funded for three years at approximately A$1 million per annum. They are particularly seeking expertise to assist our Flagships in the following areas:

- Technology and Engineering for Extreme Events – Climate Adaptation Flagship
- Marine and Coastal Carbon Biogeochemistry – Wealth from Oceans Flagship
- Future Grid – Energy Transformed Flagship

More detailed information and contact details are available at www.csiro.au/Flagship-Cluster and the closing date for applications is 24 February 2012.

Vice-Chancellor's Senior Research Fellowships

Details of the application procedure and scheme documentation (UQVCSRF Guidelines, Application Form and Instructions for Applicants) is available at http://www.uq.edu.au/research/rid/vcsrf

Faculties/Institutes must submit applications to the R&ID, by Friday 27 January 2012.

ARC Discovery Projects for Funding Commencing 2013 - Opening of Applications


Information on the UQ internal application process, including useful templates and proformas, is available here (http://www.uq.edu.au/research/rid/grants-arc-discovery). Please note the closing date for ARC applications to the Head of School is 27 January 2012.

Queensland - Smithsonian Fellowship Program

The Program provides Fellowships each year to enable Queenslanders to undertake research projects at the Smithsonian Institution, the world’s largest museum complex and research organisation. The duration of a Fellowship is for a maximum of 26 weeks and a minimum of 13 weeks, with a maximum award of $30,000. For further details visit www.science.qld.gov.au and click on “Financial incentives”. Applications close at 5:00pm on Friday 9 March 2012.

Timetabling

One of the Student Lifecycle Project’s undertakings was to ‘improve the class and exam timetabling systems’. Following a formal tender process and demonstrations to an evaluation panel comprising central administration, faculty and school timetable coordinators, a recommendation report was submitted to the Strategic Information Management Committee (SIMC). Syllabus Plus was selected as the product best suited to meet the needs of the University and our students. Syllabus Plus is used extensively by other Australian universities.

Syllabus Plus will enable UQ to –

1) Use teaching space optimally, accommodating wherever possible different teaching functions, modes and learning styles;

2) Re-engineer business processes, which will include critically assessing the manual work currently undertaken by the University’s 72 timetabling coordinators;

3) Move to a system that not just allocates rooms but schedules classes based upon constraints;

4) Reduce business continuity risk by replacing the current high-risk technology with a more significantly supported system;

5) Respond more effectively to emerging student and program needs by providing staff with advanced system functionality (such as course pathways);

6) Improve timetables through modelling (‘what if’ scenarios) rather than just rolling forward a previous timetable;

7) Improve communication to staff and students of timetable changes and adjustments;

8) Record all teaching and room space in a single system so a) rooms can be more easily found and booked b) usage rates can be determined;

9) Better integrate the class timetabling system with other UQ systems such as SI-net, Echo 360, Building Management System, Access Control System.

A project team will be established shortly with the Semester 1 2013 timetable to be delivered using Syllabus Plus. The project will run from March until December 2012. Further information will be provided through-out 2012.

If you have any immediate queries, please contact Andrew Jell (Project Manager), on 336 51087 or a.jell@uq.edu.au.
Congratulations to Prof Russell Boyce who was elevated to the level of Associate Fellow by The American Institute of Aeronautics and Astronautics (AIAA). To be selected for the grade of Associate Fellow an individual must be an AIAA Senior Member with at least twelve years professional experience, and be recommended by a minimum of three current Associate Fellows.

Congratulations to the below staff who have been promoted:
- Han Huang (to Professor, level E)
- Matt Dargusch (to Associate Professor, level D)
- Peter Jacobs (to Associate Professor, level D)
- Mehmet Kizil (to Associate Professor, level D)
- Saiied Aminossadati (to Senior Lecturer, level C)
- Kamel Hooman (to Senior Lecturer, level C)
- Zhi-Gang Chen (to Research Fellow, level B)

Congratulations to Prof Mark Kendall (AIBN), winner of the Australian Innovation Challenge (http://www.ug.edu.au/news/?article=24195). Prof Kendall is a former PhD student of the School (supervised by Richard Morgan).


Congratulations to A/Prof Mehmet Kizil and collaborators for receiving Faculty Teaching and Learning Strategic Funding for 2012 and 2013 for their project on Enabling Visible and Effective Learning in Engineering.

The School did extremely well in the latest round of ARC Grant outcomes for funding to commence in 2012. The successful chief investigators from the School are:

**Linkage Projects**
Matt Dargusch, Gui Wang and David StJohn
 Grain size refinement of near beta titanium alloys - a route to developing new advanced medical implants and devices
$220,000.00
Cook Medical Australia Pty Ltd

**Future Fellowships**
Han Huang (Mech & Mining)
Mechanisms and innovative technologies for machining nanoscale multilayered thin film solar panels
$821,476.00

**Discovery**
Russell Boyce and David Mee (Mech & Mining)
Flow physics of porous wall fuel injection for scramjet combustion and drag reduction
$320,000.00

Matt Dargusch (Mech & Mining)
Understanding grain boundary segregation - a route to developing new advanced engineering materials
$340,000.00

Alexander Klimenko and Matt Cleary (Mech & Mining)
Achieving fuel flexibility in modern combustors
$310,000.00

Richard Morgan (Mech & Mining)
Ablative thermal protection systems
$540,000.00

David StJohn and Kaz Nogita (Mech & Mining)
A comprehensive theoretical and simulation model for control of nucleation, prediction of as-cast grain size, and design of grain refining technology
$420,000.00

Martin Veidt (Mech & Mining)
Towards autonomous structural safety prognostics: integrating in-situ imaging and predictive modelling
$285,000.00

Yong Wang (Mech & Mining)
Controllable growth of magnetic semiconductor quantum dots for future spintronic and optoelectronic devices
$210,000.00

Vince Wheatley (Mech & Mining)
The converging shock driven Richtmyer-Meshkov instability in magnetohydrodynamics
$120,000.00

**Discovery Early Career Researcher Awards (DECRA)**
Hideaki Ogawa (Mech & Mining)
Design optimisation and physical behaviour of fuel injection and mixing for innovative scramjet concepts
$375,000.00

Vince Wheatley (Mech & Mining)
The general Richtmyer-Meshkov instability in magnetohydrodynamics
$375,000.00

**Linkage Equipment and Infrastructure**
Jin Zou (Mech & Mining and CMM)
National in-situ transmission electron microscope facilities
$440,000.00