Upcoming Events

9 Aug  3MT competition (School Heat)
       When: 3-4pm
       Where: 50-N202

15 Aug  Café Scientific – the history and future of flight. Presented by Dr Tom Crouch from the Smithsonian Institute and WGCDR Tony Blair. See page 4 for further details.
       When: 6pm
       Where: Studio 188, Brisbane Street, Ipswich

16 Aug  Seminar: Mining overview of the factors affecting mining investment in Latin America. See page 5 for further details.
       When: 10am-12:30pm
       Where: Level 19, Central Plaza One, 345 Queen St, “Seminar Room West”

16 Aug  Requests for end of semester examinations must be entered online

20 Aug  Quanser presentation.
       Quanser is a Canadian manufacturer of Mechatronics, Control and Aerospace teaching & research equipment. See page 3 for further details.
       When: 10am
       Where: Axon Building 47, Room 211

30 Aug  Closing date of School Teaching Awards

13 Sept  Final Examination Paper submitted to Chief examiner

20 Sept  Final Examination Paper submitted to School office (hardcopy and electronic version)

Electives in the BE program

An updated set of guidelines for choosing electives in the BE program are now available online: http://www.eait.uq.edu.au/be-electives

Online tests of integration

Michael Jennings (Maths), Lydia and Liza have developed a set of online tests of integration that can be used to check the knowledge of our cohorts (e.g. Riemann sums, Integration of polynomials, Stokes’ theorem etc.). There are over 20 different tests (with more being added, including non-integration ones), and they have been designed to run through your Blackboard site. Solutions (in PDF) are also available on the same site as the quizzes.


By completing these tests (as relevant to your course):
   1. students can self-evaluate their integration skills and revise where necessary, and
   2. you can determine what proportion of the cohort may need support to enable them to complete the course successfully.

Students will need to be informed that the tests are available and their intended application(s).

If there is problems with the login, or should you need a test that is not on the list, please contact Michael Jennings directly on msj@uq.edu.au

Sustainability Week

UQ Sustainability Week will be held from August 12-16. There will be a wide range of activities that you can get involved in, including various tours, lunchbox lectures, workshops and tree planting.
**Research**

**Prestigious postgraduate scholarships open for applications**

Applications are now open for a number of prestigious scholarships, including the Rhodes, Monash and Fulbright Scholarships. These prestigious scholarships recognise some of the best and brightest scholars and provide a unique opportunity for students to undertake further studies and research. Further information about each of these scholarships are available on the Office of Undergraduate Education website: [www.uq.edu.au/undergraduate/scholarships-grants-and-awards](http://www.uq.edu.au/undergraduate/scholarships-grants-and-awards)

**UQ Travel Awards for International Collaborative Research for 2014**

The UQ Travel Awards for International Collaborative Research aim to promote interchanges between UQ and universities in other countries. Prospective applicants should consider the scheme Guidelines and Conditions of Award available on the UQ Research and Innovation (UQR&I) website, prior to completing an application. To access these documents, the Application Form, and further information, please refer to the [UQR&I website](http://www.uq.edu.au/undergraduate/scholarships-grants-and-awards). Completed applications should be forwarded to the Head/Director of the proposed host School/Centre/Institute by the closing date: Tuesday 27 August 2013.

**DIICCSRTE Study Overseas Short Term Mobility Program (STMP)**

The Office of Undergraduate Education (OUE) has recently received information about the DIICCSRTE Study Overseas Short Term Mobility Program (STMP). As in previous years, there is no restriction on the number of applications that may be submitted for funding for the 2014 round, however, the University is required to rank each of the submitted applications in the order of importance/suitability, based on the international student mobility goals of the institution. A selection committee, comprising of the DVC (I), DVC (A) and the Director (OUE), will rank the applications prior to submitting them to DIICCSRTE. The deadline for submission to the HoS is **5pm, Thursday, 15 August**. The guidelines and application form are available by emailing enquiries@mechmining.uq.edu.au.

**OHS**

**OH&S Policy**

A recent internal OH&S Audit identified the need to ensure staff and RHD students are aware of the following:

- The right to elect a Workplace Health and Safety Representative (WHSR). Nominations were called for in 2010 and Mr Doug Malcolm was appointed for three years (he was the only nominee). Another call for nominations for a further three year term will be done later in 2013.
- Accessing minutes from committees: OH&S committee minutes are posted on the School’s website (go to Staff intranet).
- All staff and RHD students now need to complete a “New Worker OH&S Induction Checklist” and Training Needs analysis at the time of appointment. These need to be signed by supervisors with a record kept in the School.

**Role of the WHSC**

The same Audit identified a need to advise staff of the role of the Workplace Health and Safety Coordinator (WHSC). The role of the WHSC is done by the building managers. Note that these officer’s roles are to deliver and assist with inductions and to advise on health and safety matters as set out below. Supervisors remain responsible for ensuring all workers and students are inducted into labs and receive training prior to commencing work.

- Advise the head of organisational unit or manager about responsibilities under the Act and the overall state of occupational health and safety at the workplace;
- Report identified hazards and appropriate risk control measures to the head of organisational unit;
- Assist in identifying appropriate training programs in occupational health and safety, in consultation with the [OH&S Division](http://www.uq.edu.au/undergraduate/scholarships-grants-and-awards);
- Act as executive officer for the local work health and safety committee, if there is one;
- Conduct annual workplace audits to identify hazards and unsafe workplace conditions and work practices; and
- Where the WHSC is also a supervisor they are required, for the area under their supervision, to review the circumstances of work injury, illness and dangerous events, identify any corrective action and request any additional resources or assistance required to undertake this corrective action (see [PPL 2.10.07 Workplace Injury, Illness and Incident Reporting](http://www.uq.edu.au/undergraduate/scholarships-grants-and-awards)).

**Dangers of compressed gas cylinders**

Many of you work with compressed gases, and are aware of the toxic, flammable and simple asphyxiation hazards. However the potential energy of the compressed gas is often over looked. This [news article](http://www.uq.edu.au/undergraduate/scholarships-grants-and-awards) is an example of what can go wrong with non-flammable non-toxic gas cylinders - one worker died and six others received serious injuries.

**Operational Plan**

Mechatronics, Control & Aerospace Presentation & Demonstration

WHEN: 10:00am-11:00am, Tuesday 20 August 2013
WHERE: 211 in the Axon Building (Bldg. 47)
PRESENTERS:
  • Stephen Frank (Quanser, Canada)
  • James Witkowski (Emona Instruments, Australia)

ABSTRACT:
The presentation will provide an overview of Quanser’s state-of-the-art Teaching and Research equipment in Mechatronics, Robotics and Structural Dynamics. This will be followed by a live demonstration of a selection of our key experiments. The Demonstration component will cover experiments varying from an introduction to controls to more complex and exiting Rotary - Inverted pendulum swing-up experiments.

After the presentation and demo, Quanser’s representative will be at hand for casual discussion on UQ’s teaching & research focus, as well as collaborative initiatives in Robotics, Structural Dynamics, Haptics, Rehabilitation and Remote Surgery - Telepresence Systems. Quanser growth in Industrial Sector is creating a bridge for extensive R&D collaborations between universities and industrial partners.

About Quanser:
Quanser (www.quanser.com) was founded in 1990 by Dr. Jacob Apkarian to enhance and advance controls theory education and research by introducing over 60 platforms in a variety of disciplines. Quanser has an extensive expertise in outfitting Controls, Mechatronics and Robotics Laboratories in over 1200 universities worldwide. Quanser goes to great lengths to provide the Highest Quality of Products, Flexibility through Open Architecture and Modular Components, Complete Course Curriculums and Superb Technical Support to ensure that your investment today can be used for growth into the future, to create more complex and advanced lessons.
CAFÉ SCIENTIFIC – THE HISTORY & FUTURE OF FLIGHT
THURSDAY, AUGUST 15TH, 6PM
STUDIO 188, BRISBANE ST, IPSWICH

Ipswich’s first Café Scientific featuring DR TOM CROUCH from the Smithsonian Institute & WGCDR TONY BLAIR, Commanding Officer of the RAAF’s Basic Flying Training School at Tamworth

Come along for an evening of networking and discovery as we host Dr Tom Crouch, Senior Curator, Aeronautics, National Air and Space Museum, Smithsonian Institute and WGCDR Tony Blair.

Dr Crouch will be discussing the history of aerospace as seen through the history and collections of the National Air and Space Museum. Dr Crouch is the President’s Appointee and Chairman of the First Flight Centennial Federal Advisory Board and is in Australia to help us celebrate National Science Week 2013.

WGCDR Tony Blair started flying with the RAAF in 1989. Initially training as a Navigator he flew on the P3C Orion before going to 25 Squadron for ISNC (Intro Strike Navigator Course) on the Macchi and then to Amberley for F111 Operational Conversion and a tour at 1 Squadron. From there, he became a QNI (Qualified Navigation Instructor) and trained Navigators and Naval Observers at the School of Air Navigation at RAAF Base East Sale. Then to the F111 as a pilot for tours at 1 and 6 Squadrons, flying all variants of the F111. FIC (Flying Instructors Course) was completed at RAAF East Sale in 2002 to become a QFI (Qualified Flying Instructor).

Places are limited for this event and with finger food and drinks served on the night, registration is free. To register, simply click on the link below:

http://historyofflight.eventbrite.com.au

This event is made possible by the Queensland National Science Week Coordinating Committee.

Contact Details:
Andrew Peach
apeac10@eq.edu.au
0467 727 811
INVITATION

SEMINAR - MINING OVERVIEW
COLOMBIA – PERU – ECUADOR

What are the factors affecting mining investment in Latin America?

This event provides an opportunity to be informed of development challenges and opportunities in the mining industries of Colombia, Peru and Ecuador by mining engineering academics from three leading universities: National University of Colombia – Catholic University of Peru – and Azuay University of Ecuador.

Date: Friday 16 August 2013.
Time: 9.45 am for a 10.00 am start to conclude by 12.30 pm. Tea, coffee and canapés will be served.
Venue: Level 19, Central Plaza One, 345 Queen St, Brisbane, QLD 4000, “Seminar Room West”.
RSVP: by 5.00 pm Tuesday 13 August 2013. Please note that places are strictly limited.
Contact: For more information and to register, please contact Henry Camacho: h.camacho@auslat.com.
Welcome to 2013 Equity Alert, a bulletin for UQ’s volunteer networks of Discrimination & Harassment Contact Officers (DHCOS) and Equity & Diversity Information Networkers (EDINs).

Please ensure that you distribute widely amongst your organisational areas via email, electronic attachments and hard copy printouts.

New Protections from Discrimination Start 1 August 2013

The Attorney-General has announced that new federal protections against discrimination on the basis of sexual orientation, gender identity and intersex status will commence today, 1 August 2013.

“From today, the Commission will be able to accept, investigate and resolve complaints alleging discrimination on the basis of sexual orientation, gender identity and intersex status alongside existing grounds of race, disability, age and sex,” said Commission President, Professor Gillian Triggs. “We will be able to accept complaints on these new grounds, which also extend coverage to same-sex couples, for discrimination that occurred on or after 1 August 2013.”

The Sex Discrimination Amendment (Sexual Orientation, Gender Identity and Intersex Status) Act 2013, which implements these changes in the Sex Discrimination Act, received royal assent in June 2013.

“Most states and territories have some form of protection against discrimination on the basis of sexual orientation and gender identity,” Professor Triggs said. “The significance of these federal amendments is that they introduce more inclusive definitions and address gaps - such as where acts or practices of the federal Government have not been covered in the past – and add the new ground of intersex status.”

Professor Triggs said the Commission is now looking forward to engaging with lesbian, gay, bisexual, transgender and intersex individuals and organisations, as well as the government and business sectors, to provide guidance on the rights and obligations provided by these new amendments.

The Commission has information on the changes on its website: www.humanrights.gov.au/new-protection

Wear It Purple Day 2013

Wear It Purple Day (http://wearitpurple.org) will fall on Friday, 30 August. Wear it Purple began in 2010 when reports of a number of suicides occurred at the hand of bullying based on sexuality and/or gender diversity. A few young Australians gathered together and decided that one life lost was too many, and that something had to be done. The message is simple: You have the right to be proud of who you are – sexuality or gender identity does not change this.

Wear It Purple Day is a chance to support this message, by wearing purple to work. You might like to take an extra step and bring purple cupcakes for morning tea, use purple font in your emails for the day, and share the promotional video (http://www.youtube.com/watch?v=j3Q133o_u8s) with your friends, family and colleagues.

To celebrate Wear It Purple Day at UQ, the Equity Office and the Ally Network will host a light lunch.

Venue: Alumni Court, Mansfield Place

Date/Time: Friday 30th August, 12:30

Sandwiches and drinks will be provided. Please email equity@uq.edu.au to RSVP, and wear purple!
### Call for Submissions for New Transgender Studies Journal

_Transgender Studies Quarterly_ is a new journal edited by Paisley Currah and Susan Stryker to be published by Duke University Press. TSQ aims to be the journal of record for the interdisciplinary field of transgender studies and to promote the widest possible range of perspectives on transgender phenomena broadly defined. Every issue of TSQ will be a specially themed issue that also contains regularly recurring features such as reviews, interviews, and opinion pieces. To learn more about the journal and see calls for papers for future special issues, visit [http://lgbt.arizona.edu/tsq-main](http://lgbt.arizona.edu/tsq-main).

TSQ is now calling for submissions for volume 2.1: Making Transgender Count. Submissions are due by 31 December 2013. For full details, visit [http://is.gd/HejefM](http://is.gd/HejefM).

### Incapacity and Work

The Anti-Discrimination Commission Queensland has produced a new fact sheet outlining the rights and responsibilities of workers and employers when a worker’s ability to perform the job is affected by physical or mental ill-health. It provides simple but comprehensive information about more complex human rights issues and topics that are the basis of many enquiries to the ADCQ. The factsheet can be found here: [http://is.gd/VbX2QV](http://is.gd/VbX2QV). Be sure to also visit our webpage here: [http://www.uq.edu.au/equity/staff-with-disabilities](http://www.uq.edu.au/equity/staff-with-disabilities).

### Record Payout for Race Discrimination

George Barney, a residential care officer who assists people with a disability, has been awarded the highest amount of damages ever for a race discrimination complaint under the _Queensland Anti-Discrimination Act._

Mr Barney, a descendent of the Butchulla tribe, went on sick leave after he found out that co-worker Ms Petersen had made comments about his race to colleagues and refused to work with him because he is a “black fella”.

When Ms Petersen was directed to apologise, she again made reference to Mr Barney’s race. The Queensland Civil and Administrative Tribunal (QCAT) found that Ms Petersen’s comments ‘significantly caused’ the complainant’s depression and anxiety, as did her failure to apologise appropriately.

After a five-day hearing in late 2012, QCAT found that Ms Petersen had treated Mr Barney ‘less favourably’ by making racial comments and refusing to work with him. The complaint of race discrimination was upheld, and the respondents ordered to pay the complainant a total of $76,704.81, comprising $40,000 for general damages, $8,416 interest on general damages, $21,089 past economic loss, $2,779.56 past superannuation and $4,423.25 for interest on past economic loss.

_Barney v State of Queensland and Anor_ [2012] QCAT 695 (1 November 2012). (This decision was affirmed on appeal to the QCAT Appeal Panel.)

### Workplace Diversity – what is stopping businesses?

Although the business sector has maintained a commitment to workplace diversity for many years, a new survey reveals many organisations are still at the foundation stage of their diversity programs and have a declining focus on diversity strategy. The survey findings also suggest corporations don’t fully realise the business benefits of inclusive workplaces. Korn/Ferry International, Futurestep and Diversity Council Australia (DCA) surveyed more than 100 diversity managers and human resources leaders in Australia and New Zealand to learn the profile of diversity functions within organisations and the professionals leading and implementing diversity strategy. The survey revealed a lack of strategic engagement, with 81% of respondents believing senior leadership is critical to the success of a diversity and inclusion strategy. However, most senior level managers were only ‘somewhat involved’ or ‘not very involved’.

Read full details on the [Diversity Council Australia](http://is.gd/t1GcPl) website here: [http://is.gd/t1GcPl](http://is.gd/t1GcPl)