Upcoming Events

10 Oct  Martin Hicks (Rio Tinto Technology and Innovation) guest lecture  
When: 9:00-9:50 am  
Where: General Purpose South 78-353

When: 18:00 to 19:00 (to be followed by refreshments in the ELEX)  
Where: 50-T203  
RSVP: QldSec@imechenetwork.org

24 Oct  SoMME Review Information Session  
When: 3:00pm  
Where: AIBN Seminar Room (77-132)

29 Oct  SIGEE / TLD Lunch  
When: 12:00 – 13:30  
Where: ELGX, Hawken Building #50  
RSVP: tracey.papinczak@uq.edu.au by 15 October & indicate any special dietary needs

30 Oct  Faculty Update meeting  
When: 12 noon  
Where: Raybould Lecture Theatre 1 (50-T203)  
RSVP to loretta@uq.edu.au for catering purposes

31 Oct  The 2012 Chemical Inventory is due

27 Nov  School Retreat  
When: 8:00am- 4:30pm  
Where: Riverglen (70 Kate Street, Indooroopilly)  
RSVP: www.surveymonkey.com/s/79X72SS

28 Nov  Teaching and Learning Forum  
When: 8:15-16:00pm  
Where: Hillstone, St Lucia  
RSVP: tracey.papinczak@uq.edu.au

14 Dec  Pre-Graduation Party  
When: 11:00 TBC  
Where: St Leo’s College

Graduation  
When: 2pm  
Where: UQ Centre

Well Spotted

Peter Jacobs noticed that the image above has been reversed – well spotted! We never noticed ... but since it looks good, we aren’t changing it 😊

Congratulations

Congratulations to Prof Han Huang who was elected as a Fellow of International Society for Nanomanufacturing on 26 July 2012.

First Aid

Karen Foster is the new First Aid officer for the School. Karen is located in the Frank White Building (43), Room 201.

Welcome

The School had 12 PhD/MPhil students commence at the start of Research Quarter 4 (2 October). We would like to welcome:

- Yunhui CHEN (Mechanical: Han Huang)
- Min HONG (Materials: Jin Zou and Zhigang Chen)
- Chengwei KANG (Mechanical: Han Huang)
- Pisan KULKAEW (Mechanical: Ross McAree)
- Haibo LU (Mechanical: Paul Meehan)
- Johannes REINER (Mechanical: Martin Veidt and Matt Dargusch)
- Tamara SOPEK (Mechanical: Russell Boyce)
- Yingying SUN (Materials: Ma Qian)
- Ben YANG (Mining: Sailed Aminossadati)
- Lei YANG (Materials: Zhigang Chen and Jin Zou)
- Hongyi ZHAN (Materials: Gui Wang and Matt Dargusch)
- Yichao ZOU (Materials: Jin Zou)

Navigating Bureaucracy – Tips and Tricks

If you haven’t already done so, please finalise all travel reconciliations by the end of November. The finance staff need to do these to enable reporting to the State Government. They will be in contact with you.
Funding

Mailing lists
Subscribe to one or more of the mailing lists run by UQR&I -
- Research Bulletin: A fortnightly newsletter with updates on conferences, events and funding opportunities
- ARC Updates: Occasional mailouts relevant for anyone holding or intending to hold a grant with the Australian Research Council
- NHMRC Updates: Occasional mailouts related to NHMRC grants
- Bibliographic Collection: Reminders and procedures for submitting publications to the bibliographic collection


ARC Linkage Projects for funding commencing in 2013
The Research Management Office has recently received a number of enquiries regarding the opening of the round for ARC Linkage Projects to commence funding in 2013. They have been actively liaising with the ARC regarding the opening date which was previously advertised by the ARC as September 2012. We were informed that the ARC is currently unable to announce the revised dates as they have not yet been determined. Please rest assured that the University will continue discussions with the ARC in earnest, and we will notify the research community immediately when the dates are notified. **UQ's internal closing date of 17 October (based on the timeline previously provided by the ARC) will be revised.** The new internal close will be announced when we are aware of the ARC's opening date.

2013 UQ Major Equipment and Infrastructure (MEI) funds
The Deputy Vice-Chancellor (Research) has called for applications for the 2013 UQ Major Equipment and Infrastructure (MEI) grants. MEI grants are funded from the University's Research Infrastructure Block Grant (RIBG) and must be spent in accordance with the RIBG Guidelines and Conditions of Grant, available at: http://www.innovation.gov.au/Research/ResearchBlockGrants/Pages/ResearchInfrastructureBlockGrantsScheme.aspx. As in previous years, the MEI grant will contribute a maximum of 65% of the quoted price or the invoiced price (whichever is the lesser) for any successful application. That is, every application for MEI funding must include a contribution from Schools/Centres and Faculties/Institutes, and/or the Faculty/Institute NHMRC Equipment Grant Allocation, equivalent to at least 35% of the total value. Applications should be submitted to Faculties/Institutes by Friday 2 November 2012. More information and the Application Form is available for download from http://www.uq.edu.au/research/rid/grants-internal-meifund

Teaching and Learning

Nominate for internationalisation awards
The Vice-Chancellor Awards for Internationalisation seek to recognise outstanding achievements in teaching and learning, the promotion of overseas mobility for both staff and students, and leadership in community engagement. Nominations for an award should illustrate activity that has resulted in a strengthening of internationalisation across a single discipline or organisational unit, across a number of consortia of organisational units within the University, or in the community. Nominations should include, where appropriate, information demonstrating: levels of engagement and extent of impact; long-term sustainability; and scalability. Nominations close Tuesday, October 16. Visit the following website for further information: http://www.uq.edu.au/international/vc-internationalisation-awards.

Staff Development

Places are still available in the following courses:

**Professional**
- **Using the UQ Brand** on Friday, October 12
- **New Green Office Representatives** on Tuesday, October 16
- **Project Funding – Accounting for Grants** on Wednesday, October 17
- **Radiation Safety with Unsealed Sources – intro.** on Thursday, October 18
- **SITS Vision Online Application System Coursework** on Friday, October 19

**Teaching and Learning**
- **Managing difficult situations in lectures & tutes** on Tuesday, October 16
- **Who's in my class?** on Thursday, October 18
- **Applying for Continuing Appointment or Promotion** on Friday, October 19 at Ipswich

For further details, visit the Staff Development Program website.

UQ Graduate School Scholarship Eligibility Guide

The guide explains the guidelines and process used by the Graduate School when determining the applicant's eligibility to be nominated for Graduate School scholarship support. The information is intended to cover the majority of applicant cases. See page 4 for further details.
Prize Winning Engineering

Dylan Wise - The ‘Professor Raymond Stalker Prize’ for best presentation related to Mechanical and Aerospace Engineering

**Forced Transition of Hypervelocity Boundary Layers**

It is well documented that in order to provide the most robust scramjet propulsion system, a turbulent boundary layer is required at the inlet interface. As scramjets are pushed into the hypervelocity regime for access to space, the ability to reliably predict and control the state of the boundary layer becomes vital for both flight and tunnel testing. Little hypervelocity transition data within the literature meant that to successfully test scramjets at hypervelocity conditions in T4 a transition experiment was required. These experiments on a flat plate resulted in a trip configuration capable of tripping a boundary layer at 3.5 km/s.

Luigi-Jules Vandi - The Professor Gordon Dunlop Prize for best presentation relating to Materials Engineering

**Using SEM-EDX to characterize an epoxy/fluoropolymer interface: optimization and solution to fluorine mobility**

Precisely characterizing epoxy/thermoplastic interfaces on the nanometre scale using SEM-EDX represents a current challenge due to the large X-rays generation volume and phenomena arising from specimen decomposition. The results indicate that fluorine mobility due to specimen damage by electron beam irradiation is the principal factor affecting interface width measurements. An effective solution using a microtome sliced specimen allows accurate interface width measurements.

John Dudley - The Best 1st Year Presentation Prize

**Motion feedback applied to assist non-line-of-sight teleoperation of a bulldozer**

Teleoperation provides an attractive means of removing humans from direct exposure to hazardous environments but often at the cost of reduced performance levels. Experiments have been conducted to investigate the potential for motion feedback to improve performance in teleoperation. The specific application considered is teleoperation of a bulldozer. A six degrees-of-freedom motion-base has been integrated with a bulldozer teleoperation system to enable evaluation of the effect of introducing different motion cues. Results demonstrating the potential to reduce the completion time of an idealised bulldozing task by 11% through the provision of isolated pitch motion feedback will be presented and discussed.
UQ Graduate School Scholarship Eligibility Guide

This guide explains the guidelines and process used by the Graduate School when determining the applicant’s eligibility to be nominated for Graduate School scholarship support. The information is intended to cover the majority of applicant cases. In some cases, where an applicant’s situation does not fall within these guidelines, the nominations will be considered by the Dean or Deputy Dean.

Applicants can view standard eligibility conditions from the Graduate School website and staff from enrolling units can also view a summary table, “Graduate School Scholarship Support”, located in the Staff and Examiners section on the Graduate School website.

Scholarship rounds

The Graduate School awards APA, UQ Centennial/IPRS, UQI (tuition fee and living allowance), UQRS, UQ Advantage scholarships and GSITA in four rounds each year – February, May, August and November/December. The Scholarship round dates are published in the staff and examiners section of the Graduate School website (Scholarship information and rounds). The November/December round will have a later timeline for domestic applicants to ensure that Honours or Masters students who have recently completed their studies and who are now waiting for their final results can be considered.

Each scholarship round consists of two phases for international applications, and one phase for domestic applications.

**International Phase one:** UQ Centennial/IPRS, APA, and UQ Advantage scholarships are awarded. Other combinations of tuition fee and living allowance scholarships may occasionally be awarded depending on the availability of funding.

**International Phase two:** UQI scholarships (co-funded by enrolling units) are awarded.

**Domestic:** APA, UQRS and UQ Advantage Scholarships are awarded.

Applicants must always have an unconditional offer of a place by the relevant closing date to be considered for a scholarship. The only exception to this will be in the December domestic round. Applicants who have completed an Australian Honours or Masters program and have yet to receive their results will be considered in the December round on the proviso that this is the only outstanding condition they need to meet.

International applicants can be nominated for scholarships in the first and/or second phase at the discretion of the enrolling unit. On completion of phase one, enrolling units are given an opportunity to review their nominations or make new nominations for UQI (tuition fee & living allowance) scholarships by the deadline for phase two of the scholarship round.

**Awarding Graduate School scholarships**

Graduate School scholarships are awarded at commencement or confirmation.

For students who have already commenced at UQ and completed the confirmation milestone, nomination for a scholarship must be made in the scholarship round immediately following confirmation, and not in subsequent scholarship rounds. Nominations past the confirmation milestone will only be considered in EXCEPTIONAL circumstances.
Regardless of when a scholarship is awarded, there will be no retrospective scholarship payments under any circumstances. The living allowance scholarship starts from the enrolment date for applicants who have not commenced. For those who have already enrolled, the scholarship commences from the date the scholarship is awarded by the scholarship selection committee.

**Domestic applicants**

APA & UQRS applicants may only apply for a scholarship twice. The first nomination must be made prior to commencement or in the scholarship round immediately following commencement. The second nomination must be made within 12 months of the first nomination and must also take place either before commencement or in the scholarship round immediately following commencement.

If an applicant has already applied for a scholarship at admission and has been unsuccessful, begins candidature and then applies for a second time at confirmation, the applicant is only eligible for a UQRS 50:50 co-funded scholarship. The applicant must be nominated in the scholarship round immediately after confirmation.

Students who are upgrading from MPhil to PhD at confirmation who have not previously applied for a UQ scholarship may apply at confirmation and be considered for a fully funded UQRS or APA, depending on eligibility. The student may only be nominated once and must be nominated in the round immediately after confirmation.

Generally, if a domestic applicant has not previously been considered for a scholarship and their circumstances change significantly, e.g. from part-time to full-time, then they can be nominated for a scholarship in the next round and will be eligible for consideration for a full scholarship (either fully-funded UQRS or APA, depending on eligibility). An applicant does not need to change to full-time before being awarded a scholarship. However, if the applicant is successful, the applicant must change immediately to full-time or relinquish the scholarship, unless they meet the criteria for holding a part-time award ([http://www.uq.edu.au/grad-school/content/future-applicants/scholarship-general-conditions.pdf](http://www.uq.edu.au/grad-school/content/future-applicants/scholarship-general-conditions.pdf)).

**International Applicants**

Nominations for UQ Centennial/IPRS scholarships will only be considered prior to the applicant commencing. For UQI (co-funded) scholarships, nominations can be considered prior to commencement or at confirmation.

Applicants can only be nominated for a scholarship twice. The second nomination must be made within 12 months of the first nomination and only if the applicant has not commenced. After the applicant has commenced they are eligible only for a co-funded UQI, with the next opportunity for nomination being in the round immediately after confirmation. Please note that this is slightly different to the domestic situation whereby a domestic applicant can be nominated in the first round post commencement.

If a confirmed applicant is applying for a scholarship for the first time and is unsuccessful, they cannot be considered for a second time in a future round.

**Applicants upgrading from MPhil to PhD**

Transferring from MPhil to PhD is a change in program (not a new admission), and is not considered to be a change in circumstances and in itself does not make applicants eligible for scholarship
consideration. However, a student who is upgrading and has never applied for a UQ scholarship will be eligible to do so in the scholarship round immediately following the upgrade. The scholarship will be reduced by the duration of the already consumed EFTSL. In addition, students who currently hold a scholarship may transfer into a PhD and have the scholarship reset to the usual period for a PhD less the previous period for which the scholarship has been held.

**Applicants transferring from another institution**

If a domestic or international applicant is transferring from another institution and they hold an APA or IPRS at that institution, the scholarship is not automatically transferred to UQ. The applicant must be nominated and considered in a competitive scholarship round. There is no guarantee they will be successful for the same scholarship at UQ. If a transferring student is awarded a UQ scholarship, the duration will be reduced by the duration of scholarship that has been previously held.

If an applicant is transferring from another institution at a post confirmation milestone, the eligibility to be nominated for a scholarship will be considered on a case by case basis. If approved, the applicant will be considered in a competitive scholarship round. The nomination must be made for the round immediately following commencement and the applicant may only be nominated once.

**UQ International (UQI) tuition fee scholarship**

UQI tuition fee scholarships are awarded to outstanding international RHD students to cover the cost of tuition fees. To be eligible applicants must be in receipt of a competitively awarded living stipend. Please note that applicants are not automatically entitled to a tuition fee waiver because they hold a living allowance scholarship. They must be supported by their enrolling unit and the nomination will be considered on merit by the Graduate School. To be eligible for a tuition fee scholarship the applicant must go through, or have been through, a competitive process.

If an applicant holds a living stipend scholarship from an external funding body, the enrolling unit, or the advisor, they can be nominated for a UQI tuition fee scholarship at any stage throughout their candidature, subject to satisfactory milestone progression.

Where a student commences their RHD studies as a self-funded candidate, UQI tuition fee scholarship nomination may only be considered where there has been a substantial change in circumstances beyond currency fluctuations and financial hardship per se. These applicants will be assessed by the Graduate School as part of a competitive process in a round.

An applicant applying for external scholarship may be offered a UQI tuition fee scholarship prior to being awarded the living allowance scholarship, if it is a requirement of the external scholarship (e.g. CSC scholarship). The UQI tuition fee scholarship will be conditional on the student being awarded the living allowance scholarship. In such situations, the student is not eligible to be nominated in a scholarship round for an IPRS or UQI living allowance scholarship. If the student is unsuccessful in their living allowance scholarship application, the tuition fee scholarship will be withdrawn and the students may be nominated and considered in a future scholarship round. In this scenario, eligibility criteria for the scholarship for which the student is applying must still be met e.g. nomination prior to commencement, enrolling unit support.

Applicants receiving an external government scholarship with a tuition fee component less than the amounts stipulated in the relevant fee band may be nominated for a partial tuition fee scholarship. (e.g. CONICYT, BECAS)
**TUAP (top-up assistance program)**

The top-up assistance program (TUAP) is available to support foreign government sponsored applicants whose living allowance is below the APA rate. Under this scheme, the Graduate School and the enrolling unit will supplement the living allowance by co-funding the difference between the foreign government scholarship stipend and the current APA rate. Where the difference between the foreign government scholarship and the APA rate is greater than $10,000 per annum, the Graduate School’s contribution will be capped at $5,000 per annum.

This scheme is **only** available to students who commenced from 1 January 2010. The start date will be the date of commencement in the RHD program or the date of approval by the Graduate School if the applicant has already commenced candidature. **Please note that no retrospective payments will be approved.**

As the value of the TUAP will not be automatically increased each year to match the increase in APA rate or fluctuations in exchange rate, enrolling units should review the TUAP value on an annual basis (one year after the commencement of TUAP) to ensure that the student has an adequate living allowance. The enrolling unit can submit a request to the Graduate School for an adjustment of the TUAP amount. The Graduate School strongly supports annual review of the TUAP payments for each candidate on the anniversary of their commencement.

**UQ Advantage RHD Scholarship**

UQ Advantage RHD scholarships are awarded to attract outstanding RHD students to enrol at UQ. It is only available to students who have not commenced their program. The value of the scholarship is $5000 per annum, co-funded with the enrolling unit.

Nominations for this scholarship must be made together with nominations for the UQ Centennial/IPRS, APA or UQRS before commencement and only those awarded these scholarships are considered for the UQ Advantage RHD scholarship in the same round.

A student who is awarded an IPRS, APA or UQRS scholarship cannot be considered in a future round for a UQ Advantage RHD scholarship.

**Establishment grant**

The purpose of the Establishment Grant is to help with costs such as relocation expenses or purchasing necessary equipment (for example, a laptop). The grant is valued at $2500.

Only those applicants who are awarded an APA, or UQRS who have not enrolled or are newly enrolled since the last scholarship round are entitled to an Establishment Grant. UQ Centennial/IPRS and UQI recipients are not eligible for this grant.

Applicants transferring to UQ after starting their research higher degree at another university and are awarded an APA or UQRS qualify for the Grant.

Applicants who have already commenced and who are awarded the scholarship at confirmation or who are enrolled in the PhD or MPhil concurrently with another UQ program are not eligible for the establishment grant.
Those who relinquish the scholarship within 3 months of receiving the Establishment grant may be required to repay the grant to the University.

**Graduate School International Travel Awards (GSITA)**

GSITAs are awarded in four rounds per year. The dates closely align with the main scholarship rounds and are published in the staff and examiners section of the Graduate School website ([Scholarship information and rounds](#)). GSITAs are awarded to support overseas travel for at least one distinct study related purpose that is relevant and academically justifiable but not essential to the completion of the thesis. This award does not support travel to attend overseas conferences, complete courses or to visit an advisory team. However, an overseas trip that has more than one purpose (combining, for example, essential research travel, non-essential research travel and conference attendance) may be part-funded by the Graduate School, but the application should clearly identify the components of the trip for which Graduate School funding is sought. The Graduate School will fund only those parts of the trip which fall within these guidelines. Acceptable travel purposes that can be funded by the GSITA include accessing research material or facilities that are unavailable in Australia (e.g. libraries, archives, laboratories) and working in a research environment with resources not currently available to the candidate.

To be eligible an applicant must be a confirmed RHD candidate enrolled full-time at UQ (part-time students are eligible to apply but must be enrolled full-time while overseas). Confirmed candidates can apply at any stage but must complete their travel before the thesis review milestone. A GSITA will only be awarded to a student once during their candidature. GSITAs are not awarded for retrospective travel. Travel must take place within six months of the date of award. Any changes to the destination, purpose or dates of travel require approval from Graduate School.

If the applicant is unable to travel within the approved period, or does not abide by the conditions, the applicant will need to return any funds paid by the Graduate School.

Applicants are to submit their GSITA applications to their enrolling unit for approval before sending to the Graduate School. The application must contain all the necessary signatures.

Unsuccessful applicants may reapply.

27 June 2012