Graduations
Eighty-three higher degree research students have completed their degrees and will be graduating in the December graduations. Congratulations to you all.

First Year Proposal Review and Commencement of Candidature
First Year Proposal Reviews are due no later than one year after first enrolment in the thesis subject (for doctoral and masters by research, both full-time and part-time). This review is an important step in ensuring that the research project is based on a strong academic footing, that the student has the skills required to complete the project at the required standard, that the supervisory arrangements are appropriate to the project, and that the project can be undertaken adequately with the resources available. You can download the guidelines and form at http://www.uow.edu.au/research/rsc/files/forms/1styr-research-proposal.pdf.

June Toussis, Enrolments Officer, Research Student Centre has commenced meetings with Faculties in order to advise and follow-up. If you have any questions contact June on extension 5453 or by email to junet@uow.edu.au.

**Annual Progress Reports**

The 2005 Annual Progress Reports were released to HDR students via SOLS on Monday 17 October. ALL APRs MUST be completed on-line via SOLS (hard copies will not be accepted). The APR MUST be discussed by the student and supervisor BEFORE completion.

Due dates are as follows:

<table>
<thead>
<tr>
<th>Date</th>
<th>Task</th>
</tr>
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<tbody>
<tr>
<td>7 November</td>
<td>HDR candidate should submit the final version of Section 1 of their Progress Report on to their Principal Supervisor. – <strong>NOW OVERDUE</strong></td>
</tr>
<tr>
<td>28 November</td>
<td>Principal Supervisor should complete Section 2 and publish to Student.</td>
</tr>
<tr>
<td>5 December</td>
<td>HDR candidate should complete Section 3 and submit the Progress Report to the Head of Postgraduate Studies.</td>
</tr>
<tr>
<td>30 December</td>
<td>The Head of Postgraduate Studies should forward the APR to the Dean of the Faculty.</td>
</tr>
<tr>
<td>23 January</td>
<td>The Dean of Faculty should return the APR to the Research Student Centre.</td>
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PLEASE READ THE GUIDELINES BEFORE COMPLETING YOUR APR. Guidelines are available at: http://www.uow.edu.au/research/rsc/hdrhb/annual-progress-reports.html

If you have any questions please contact Kim Roser (4221 5525 or kim_roser@uow.edu.au) or Erin Hood (42215452 or erin_hood@uow.edu.au)

**Higher Degree Research (HDR) Student Orientation and Enrolment Day**

The 2006 Autumn Session Higher Degree Research (HDR) Student Orientation and Enrolment Day will be held on **Tuesday, 21 February 2006**.

Information will be sent to students early in the new year. In the mean time, if you have any questions or would like further information please contact Jessica Lopez, HDR Events Officer in the Research Student Centre on (02) 4221 5454, jessica@uow.edu.au,

Note for continuing students – Re-enrolling students will be automatically processed on receipt of a completed APR.

**Research Services Office**

**Successful ARC Research Council (ARC) grants for 2006**

“Wollongong scores above the national average” - New researchers, particularly in the areas of science and engineering, have helped boost the outcome for the UOW in the hotly-contested 2006 Australian Research Council grants announced by Education, Science and Training Minister, Dr Brendan Nelson on 9th November.

Wollongong’s overall success rate for its researchers was 26.9 per cent against a national average of 24.4 per cent. Under the Discovery Projects Scheme, UOW researchers were awarded the 11th highest level of national funding overall with 25 grants totalling $7.4 million.

One of the highlights from the minister’s announcement was the awarding of two prestigious Queen Elizabeth II Fellowships to Dr Dan Li (Science) who will join the University’s Intelligent Polymer Research Institute from the University of California in Los Angeles and Dr Clive Schofield (Centre for Maritime Policy, Faculty of Law). Only 16 QEII Fellowships are awarded nationally.

Among other faculties, **Engineering** scored six Discovery grants, one Linkage International grant and one Linkage Infrastructure; **Informatics** received three Discovery grants and a Linkage grant; and **Health and Behavioural Sciences** also received three Discovery grants.
UOW also received funding for three Linkage Infrastructure grants, two Linkage grants and one Linkage International Award. These included a Linkage grant awarded to the Business School on supply chain management.

A full list of the successful UOW researchers and the titles of the funded projects can be found at: http://www.uow.edu.au/research/ro/grants/outcomes/external/

Successful NHMRC Project Grants for 2006

Congratulations to Mark Walker and John Aquilina. Their three-year project entitled, “Investigation of the localization, transport and vaccine potential of group A streptococcal cell surface protein” was awarded $495,000.


2005 URC New Partnership Grants

The primary objective of this scheme is to support, on a competitive basis, high quality industry related research projects and pilot research projects of modest cost conducted by researchers of proven excellence in collaboration with partners who provide matching support. The research project should relate to and enhance key areas of research strength in the University. It is expected that researchers with projects supported under this scheme will submit an application in the year following for external funding through, for example, the ARC Linkage Projects Scheme. Projects must demonstrate a collaborative research program. This scheme has an open deadline and applications can be submitted at any time to the Research Services Office. Forms are available at:


Please contact Julie Matarczyk on ext: 5874 or juliema@uow.edu.au if you have any questions regarding this scheme.

Ethics Meetings coming up…

• Next Biosafety Committee Meeting Date is Thursday 2nd March 2006 (with Agenda Deadline 16th February).

• The final Animal Ethics Committee Meeting Date for 2005 is Thursday 8th December (with Agenda Deadline 17th November).

• Next Health and Medical HREC meeting is scheduled for 13th December with agenda deadline 28th November, while the next Humanities, Social Science and Behavioural HREC is scheduled for 20th December with agenda deadline 5th December.

Professorial Lecture Series

The Professorial Lecture Series gives the campus community the opportunity to hear about the high standard of research conducted at our university. Last month we heard from Prof. Chao Zhang from the Faculty of Engineering. This month you have the opportunity to hear about developments in “Textile Biofeedback Technology – from bouncing breasts to noisy knees” by Professor Julie Steele from Health and Behavioural Sciences. More information about Julie’s presentation is at: http://www.uow.edu.au/research/proflectureseries/stele.html

Julie will be speaking on 23rd November from 12:30 pm – 1:30pm in building 14 (G01). All staff and students are welcome to attend. The program for the series is listed at: http://www.uow.edu.au/research/proflectureseries

Nominations for Uni in the Brewery 2006

The Uni in the Brewery presentations have finished for the year – but the 2006 program is currently being coordinated. If there is a topic of research or a particular researcher you would like to see give a presentation, let us know. Nominations are now open until the end of the year. Please e-mail vwallace@uow.edu.au

Making UOW Research Visible

Increasing the visibility of research is a key aim for UOW. In 2006 this will be assisted by the establishment of ‘Research Online’ - a research repository providing worldwide access to articles by UOW authors.
The University has selected Proquest’s Digital Commons to host Research Online. Material stored in the repository is likely to assist in the Federal government’s processes for introducing the Research Quality Framework.

Digital Commons will be implemented during the Christmas - New Year period and rolled out in 2006. Members of staff will be encouraged to submit material to the repository. It has been found that placing research material on open access institutional repositories increases citation rates by a factor of 50-300%.

The Research Online project will be managed by RaID and the University Library. For further information contact Michael Organ, Project Coordinator, ext 3108.

**MICDs**

**MICD Faculty Responsibilities**

Carig Peden  
Engineering, Informatics, Commerce, Creative Arts  
Ext: 5704  
Email: cpeden@uow.edu.au

Aapo Skorulis  
Science, Arts, Health and Behavioural Science, Education  
Ext: 4578  
Email: aapo@uow.edu.au

**Industrya**

Students from the University of Wollongong (UOW) formed Industrya, a pilot company for the Young Achievement Australia (YAA) biotechnology entrepreneur program. Recently launched at the Unicentre, the students have coordinated the development and production of an interactive book teaching children about biotechnology.

The book targets children between the ages of 8 and 12 years. It allows kids to learn about the science behind biotechnology through a series of easy-to-do and interesting experiments, fun facts and puzzles. Guided by Dr Eugene and Ms Dee Nay children can read about traditional biotechnology as it applies to food, make plastic using milk and discover the pathways of genetics in their family with the DNA detective.

Supported by the UOW UniCentre, the book has also received sponsorship from UOW Centre for Student Development, Minuteman Press, Ahmads Foodhouse and Rotary International Minnamurra.

Having sold out of its first production run, Dr Eugene and Dee Nays Laboratory Secrets is now back in stock at the Unicentre bookstore just in time for Christmas, and costing only $15.00. All proceeds from the sale of the book will be donated to the Wollongong Hospital Children’s Ward.

Karen Walton a PhD student from the Faculty of Health and Behavioural Sciences and the Human Relations Director of Industrya was named as the NSW Biotechnology Entrepreneur of the Year.

**Commercialisation Expo**

There is a commercialisation expo to be run by Knowledge Commercialisation Australia and the Australian Institute of Commercialisation in Melbourne on 18-20 June 2006. There is an opportunity to participate in the Peter Doherty prize for Innovation valued at $100,000 (closing date 21 April 2006). Entry is an A1 poster of your innovation and a five page commercialisation plan. For further information see your relevant MICD.

**Trailblazer**

The University of Wollongong will again be running a trailblazer ideas competition in 2006 so the time to start thinking of new innovations is now! The competition will open in April 2006 with a closing date of 19 May 2006.

**Research Commercialisation Workshops**

UOW, in conjunction with UniQuest, will be running two interactive workshops in 2006 at the Novotel Twin Towers resort on Sunshine Coast QLD.

*Academic staff Research Commercialisation Workshop* – from pm 15 March to pm 17 March 2006. There will be a number of fully and partially subsidized places available on a competitive basis and applicants will be asked to identify matching funding if available.
HDR Student Commercialisation Workshop - from pm 29 March to pm 31 March 2006. The workshop is open to all UOW higher degree research students and there will be special career development sessions that feature speakers with PhDs who are now working in a range of fields. Application forms will be available on the web shortly. Places are limited, competitive and fully funded for travel, accommodation and food.

Venture Capital Demystified: A workshop for staff and students

Thursday 24th November, 4 pm - 6 pm at the UoW Function Centre

Presenters Jonathon Wolfe and David Landers will aim to explain venture capital funding. They have extensive experience in the industry regarding seeking funding and assessing ventures with respect to suitability for funding.

The workshop session aims to highlight:

- how the Venture Capital industry works – from start to end. ie
  - how funds are established and who invests in them,
  - who manages them and the expectations on them,
- what fund managers look for – spread risk/areas of expertise
- information required to assist determinations
- timing of returns and investments
- expectations from investments
- exit strategies

To register for the workshop please contact Vanessa Pagett (vanessa_pagett@uow.edu.au), from the Career Development Unit (CDU) or phone: 02-4221 4929

Student Innovation Network (SIN)

A very successful SIN seminar/networking event was held on October covering Authorship and Copyright and how they relate to higher degree research students. If you would like a copy of the presentation slides just drop an email to aapo@uow.edu.au

UOW Research Notebooks

The importance of good research practice across all disciplines at the University of Wollongong (UoW) is further highlighted by changes in patent legislation in various jurisdictions across the world. A research notebook is a complete legal document recording research activities. They are vital in proving that the researcher conducted the research. A properly kept notebook is invaluable in proving the right to own a related patent in Australia, or obtain one in the United States (where patent rights are assigned on a ‘first to invent’ basis, rather than the ‘first to file’ system that applies in Australia). One of the most effective methods to prove that a researcher was the ‘first to invent’ something is via a well-kept laboratory notebook.

To assist in the maintenance of sound research practice and ensure that the UoW maximises its opportunities with respect to the protection and subsequent exploitation of intellectual property developed at UoW, it is proposed to produce specific UoW research notebooks.

The research notebooks would contain information on:

- how best to record information to ensure that it best meets research and patent requirements,
- general information on the protection on intellectual property, and
- specific information on the procedures to undertake at the UoW to secure and identify intellectual property developed on campus and potentially, procedures to follow for commercial research activities.

Further updates on how the production of the UOW Research Notebooks is progressing will be made available in future newsletters. In the meantime if you would like more information on the UOW Research Notebook contact Aapo Skorulis, aapo@uow.edu.au
Library News

Extended access to Science Direct

The recent upgrade of ScienceDirect access allows researchers to utilise all Elsevier journal titles on the database from 1995 onwards. Popular titles (such as Tetrahedron, Desalination and Physica C) which were previously available only via transactional access or document delivery, are now freely accessible from your desktop.

This provides a significant enhancement in terms of the range of available fulltext titles. Early implementation gives you the opportunity to make use of the database over the Christmas/New Year period.

It will no longer be necessary to use transactional access to read articles from non-subscribed titles published after 1995. However, access to a number of non-Elsevier titles (CRC Press, Anderson Publishing, American Institute of Chemical Engineers) on the database will continue to require transactional access or use of the Library’s document delivery service.

For more information please contact Journals Access staff:

- Pam Epe, T: 02 4421 3165,
  E: pam_epe@uow.edu.au
- Neil Grant, T: 02 4221 3547,
  E: neil_grant@uow.edu.au

Searching patents with Scopus

Patent searching is an invaluable part of the research strategy, aiding the identification of literature and research development. Patents also provide a primary source of technical information, with 80% of patent literature not published elsewhere.

Your research can benefit from patents, with the capacity to:

- Offer the earliest source of information
- Provide full details of inventions
- Show what competitors are doing
- Display trends and key players in technology
- List prior art/existing literature

The Scopus database provides an easy option for searching full text patents. Click on Databases on the Library homepage to find Scopus, then:

1. Enter your keywords in the Basic Search form
2. Click on Search
3. Click on the Patents tab at the top of the screen

When entering your keywords, remember to use truncation, for example educat* will retrieve educate, education, educating etc.

For more information please contact the Research Training Librarian, Lucia Tome at lib_researchtraining@uow.edu.au

Have breakfast with us!

Come along to the Library for a Researchers’ Breakfast in February 2006 for demonstrations of the latest research tools, updates on services for researchers, topical discussion and networking with your peers. And of course a FREE bite to eat!

Full details will be provided in the next issue of Research & Innovation News and via the Library homepage early in the new year. We hope to see you there.

What's on in the Faculties?

Building Research Bridges between Wollongong and Dubai

The University of Wollongong in Dubai has over forty active researchers in business and IT who are interested in research collaboration with Wollongong academics.

Some of the specific areas of interest in business include corporate governance, finance, Islamic banking, accounting and accounting education, international trade, supply chain management,
human resource management, marketing, cross-cultural communication and leadership, and strategic management.

In IT, interests include information retrieval and data mining, usability, network security, optimization algorithms, data hiding, line coding, distributed systems and grid computing, and software engineering.

There are a number of projects currently under way in the above areas, and anyone interested in collaborating with academics at UOWD on these projects, is welcome to contact the Chair of the Research Committee in Dubai, Lejla Vrazalic on lejla@uow.edu.au

PERFORMING THE NATION II:
Aboriginality & Globalisation
UBC Workshop 23–25 October 2005

On the 23rd and 25th of October 2005 a small delegation of staff and students travelled from the University of Wollongong to the University of British Columbia to participate in a unique collaborative workshop examining Indigenous issues in Canada and Australia through the framework of globalisation. The forum was organised by Professor Richard Cavell, Director of the International Canadian Studies Centre at UBC, in collaboration with the Centre for Canadian-Australian Studies at Wollongong.

Entitled “Aboriginality and Globalisation”, the event saw 4 UoW Postgraduates and 1 Honours student, travelling with Gerry Turcotte and Aunty Barbara Nicholson, Honorary Fellow in Law and an elder of the Wadi Wadi people. Turcotte and Nicholson delivered keynote addresses at the forum, followed by talks from the students focused on their research activities. Australian speakers included Ernie Blackmore, Kimberley McMahon-Coleman, Roslyn Weaver, Colin Salter and Rebecca Jane Smith. Canadian students similarly presented their work in what is hoped was a creative and constructive dialogue between individuals and institutions.

The workshop built on a long-standing research project conducted by the Centre for Canadian-Australian Studies & the Identity and Cultural Transformation Research Group in the Faculty of Arts. The first conference was run on the 27th–28th of June 2003 and featured some 25 presenters, half of whom were international guests.

Starting Young

The Faculties of Science and Education were involved in judging the recent St. Josephs Science Research Expo held on the 13th of October. The Expo organized by Dr Kerry Ayre, a local high school teacher, aims to engage students in open-ended investigations. The students under guidance from their teachers must design and perform experiments. The students are then able to display the results of their research and explain to judges what they discovered. Next year the University will be involved in assisting Dr Ayre in expanding the program to include a regional expo to be held on the 24th October 2006.

Australia Malaysia Higher Education Forum,
2 - 4th November: Research Forum Breaks New Ground in Regional Research Collaboration

CAPSTRANS hosted several Malaysian research academics in the Australia Malaysia Higher Education research forum from 2nd-4th November 2005.

The Malaysian participants in this bi lateral forum was led by Prof Morshidi Sirat, the Director of the Malaysian Research Institute in Higher Education one of Malaysia’s top researchers.

Other members included Prof Ambigapathy Pandian, Assoc Prof Shanthi Balray Bahboo and Dr Rozinah Jamaludin from the Universiti Sains Malaysia. Assoc Prof Kew Yew Lie from Universiti Kebangsaan Malaysia and Assoc Prof Vincent Pang Universiti Malaysia Sabah also presented.

The forum funded by the International Centre for Excellence in Asia Pacific Studies (ICEAPS) and CAPSTRANS attracted over 40 academics and interested members of the university community from Malaysia, Australia, China, Thailand, New Zealand and Taiwan.
The forum explored issues such as transnational markets in higher education in Malaysia, international student experiences in Malaysia and Australia, private higher education institutions and the practicalities of international bi-lateral research collaborations. One of the themes explored the relationship and importance of higher education in nation building in the Asia Pacific region.

The forum enabled experts and novice postgraduate students to explore policy and practice issues in research, teaching and policy. CAPSTRANS and education students Mr Huai Jiang, Ms Koolchalee Chongcharoen and Ms Lakhvin Srinarula presented at the conference on forthcoming doctoral research.

“The forum generated enthusiasm and energy for a network of researchers interested in working on issues in higher education” said Assoc Prof Peter Kell the Australia Malaysia forum convener.

“Outcomes include a commitment by members of the forum to maintain a regional network with a view to meeting next year in Malaysia to continue the bi-lateral dialogue. Part of this dialogue will be the production of an edited publication of the papers” said Dr Kell.

Canada and Australia’s experiences in WW2 - Centre for Canadian-Australian Studies and the War, State, Civilisation and Community Research Group, 10 November 2005

On the day before Remembrance Day, the Centre for Canadian-Australian Studies and the War, State, Civilisation and Community Research Group at the University of Wollongong hosted a seminar about Canada and Australia’s experience of World War Two featuring discussion by Professor Jeffery Keshen, from the University of Ottawa.

Professor Keshen, a 20th-century Canadian history expert, offered insights into the parallel experiences of the two nations during the war. He established that both countries grew as a nation after the war, in part because of its brutal human cost and the soul searching it entailed: “The war was the most important event in 20th-century Canadian history,” said Keshen. “It left a stronger, more confident nation, it’s just tragic that these realizations were made through war.”

Keshen argued that the war’s end led to the basis for the modern welfare state, increased accessibility to remote Canadian regions, provided more opportunity for women and encouraged Canada to become involved in, and to try to solve, international grievances.

Professor Keshen’s Keynote address was followed by an afternoon session of presentations by PhD candidates including: Linda Wade, who discussed “Still Clinging Daughtertwise: The Memorial to the AIF at Villers Bretonneux,” John Kwok, who discussed “The Australian 8th Battalion and the Battle for Singapore” and Karl James who presented “The Final Campaigns: Bougainville 1944-45”.

In the end the event was a resounding success, both because of the excellent contribution of the speakers, but also because of the way it brought a comparative light on one of the major events in contemporary world history.

The Faculty of Arts Annual Postgraduate Conference

The Faculty of Arts is hosting its Annual Postgraduate Conference on 17th & 18th November - a number of postgraduates will be presenting at this two day event. Papers from the conference will be published in their on-line Postgraduate Journal, Alpheus.

During late afternoon on 17th November they will also use this event as an opportunity to launch a book by one of their academic staff, Richard Howson. The book “Challenging Hegemonic Masculinity” will be launched by visiting Professor Peter Beilharz of LaTrobe University at 5pm in the Arts Common Room (19.1047).

Check out the TITR Newsletter at http://www.titr.uow.edu.au/newsletters/index.shtml TITR Newsletter
Awards and Achievements

Mr Nathan Miles, PhD, Earth and Environmental Science and Ms Ann Mills, PhD Chemistry have been announced winners in the 2005 Science and Innovation Awards for Young People in Agriculture, Fisheries and Forestry. Winners receive up to $10,000 to complete a project of long-term benefit to Australia’s agriculture, fisheries, forestry, food or natural resource management industries.

Professor Anatoly Rozenfeld has won a $240,000 research grant from NASA to study the effects of radiation on humans during long-term space missions, such as future expeditions to Mars. Anatoly and his team of the Centre for Medical Radiation Physics at UOW are collaborating with US researchers to develop portable instrumentation in order to understand the qualities of the radiation and how it affects a person’s cells and DNA. The project involves launching radiation-monitoring devices into orbit at different latitudes, Anatoly, whose research interests focus on treating cancer, hopes the results will enable researchers to model the likelihood of astronauts contracting the disease as well as learn more about possible treatments.

Dr Chao Deng, Department of Biomedical Science, was successful in obtaining a Clive and Vera Ramaciotti Foundations Biomedical Research Awards ($25,000). The Clive and Vera Ramaciotti Foundations Biomedical Research Awards aim to promote quality in biomedical research, particularly in new fields. He will use this award to set up a video tracking system for animal behavioral tests in the research projects for studying feeding behaviours and establishing an animal model of schizophrenia by collaborating with A/Prof. Xu-Feng Huang.

Associate Professor Diana Conroy, Faculty of Creative Arts, has received a distinguished research award from the Australian Council of University and Design Schools.

Mr George Mickhail, Faculty of Commerce has been invited as Professeur des Universités Invité to engage in teaching and research at the Université d’Orleans, France. The appointment was made after a national competitive process.

Karen Walton, PhD student, Faculty of Health and Behavioural Science and HR Director of Industry was named as the biotech business person of the year in NSW and the company took out the NSW prize as best biotech company.

Van Badham, PhD student, Faculty of Creative Arts won the prestigious Queensland Premier’s Literary Award for Drama worth $15,000 for her play Black Hands/Dead Section.

A/Prof Natalie Stoianoff (Faculty of Law), recently presented the paper, Conserving Native Vegetation on Private Land: Subsidising Sustainable Use of Biodiversity? at the 6th Annual Global Conference on Environmental Taxation University of Leuven, Belgium, 22-24 September 2005. This is the second paper developed in collaboration with Dr Andrew Kelly (also Faculty of Law) on the theme of taxation incentives for the conservation of biological diversity. A third is already in the planning for the 7th global conference in Canada, 2006.

Please note that the next issue of Research & Innovation News will be available in February 2006. Vicky Wallace, Research Promotions Officer, Research Services Office, will be taking over the administration of the newsletter in 2006. If you have a research event happening or have some news on research achievements and awards you would like to include please email the details to Vicky Wallace at vwallace@uow.edu.au