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### External Grant Schemes

**ARC Linkage-Projects**

ARC Linkage-Projects grants support collaborative research and development projects between higher education researchers and Partner Organisations which are undertaken to acquire new knowledge and involve risk or innovation. Proposals must contain a cash and in-kind contribution from a Partner Organisation.


**ARC Discovery Indigenous Researchers Development (DIRD)**

The aim of the ARC DIRD scheme is to develop the research expertise of indigenous researchers, including providing them with experience in the preparation of research funding proposals. Support is available for fundamental research by, and research training of, indigenous Australian individuals and teams to expand Australia’s knowledge base and research capability through Project Grants and Indigenous Research Fellowships. More information is available from the ARC website: [http://www.arc.gov.au/ncgp/dird/dird_default.htm](http://www.arc.gov.au/ncgp/dird/dird_default.htm).

**ARC Linkage International**

The ARC *Linkage International* scheme provides funding for the movement of researchers between eligible Australian research organisations and centres of research excellence overseas, and fosters collaboration and networking between Australia-based and overseas researchers.

The scheme provides two types of support:

- **Linkage International Fellowships** are available for outstanding postdoctoral, research and senior research fellows to work in Australian or overseas organisations for periods of up to 12 months.

- **Internationally Coordinated Initiatives – Social Sciences Collaboration** is a joint initiative between the ARC and the Economic and Social Research Council of the United Kingdom of Great Britain and Northern Ireland (ESRC) to fund Australian/British proposals in the social science fields and to create networks linking individuals and centres in Australia and the UK.

Further information about both of these schemes is available from the ARC website: [http://www.arc.gov.au/ncgp/lx/lx_default.htm](http://www.arc.gov.au/ncgp/lx/lx_default.htm).

Please note that ARC Linkage International Awards and the Materials World Networks Internationally Coordinated Initiative schemes have been discontinued.

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**Please Note:** On the 26 March 2008, Senator Kim Carr announced a number of enhancements to ARC funding schemes, including the promotion of international engagement in collaborative research > [http://www.arc.gov.au/media/releases/media_26March08.htm](http://www.arc.gov.au/media/releases/media_26March08.htm)

The ARC has implemented the following changes to the *Linkage Projects* scheme to take effect in the current round:

1. Permitting the use of ARC funds for international travel for PIs;
2. Removing the citizenship/residency requirements for APAI and APAI-IT students; and
3. Making provision so preference may be given to award APDIs Candidates who have the potential to enhance international collaboration.
NHMRC Development Grants
The NHMRC Development Grants Scheme aims to support the development of health or medical research that has commercial potential and which has the potential to benefit the Australian community. Development Grants provide funding for research commercialisation at the early proof-of-concept stage. Development Grants are designed to support development work undertaken in a human health related field, for example, diagnostics, medical devices or pharmaceutical product development, biotechnology, bioinformatics and biomaterials. More information is available from the NHMRC web site: http://www.nhmrc.gov.au/funding/apply/granttype/development/index.htm

Bill & Melinda Gates Foundation: Grand Challenges Explorations
The Bill and Melinda Gates Foundation have issued a call for applications for Grand Challenges Explorations funding. A $100 million initiative, the program intends to help scientists pursue innovative ideas for solving major global health problems. Grant proposals will be accepted online at http://www.gcgh.org/explorations/ until May 30th. Applicants must register intent to submit a proposal by May 15, 2008. Proposals are being solicited on the following four topics:

- Creating new ways to protect against infectious diseases
- Creating drugs or delivery systems that limit the emergence of resistance
- Creating new ways to prevent or cure HIV infection
- Exploring the basis for latency in TB

Initial grants will be $100,000 each, and projects showing success will have the opportunity to receive additional funding of $1 million or more. Full descriptions of the topics and application instructions are available at www.gcgh.org/explorations/

Intending applicants are encouraged to view the Foundation website for information on previously awarded projects. Please advise Sharon Clarke (clarke@uow.edu.au) by 7th May if you intend to submit.

Internal Grant Schemes

2008 Research Infrastructure Block Grants (Pool 2)
The objectives of this scheme are to meet project-related infrastructure costs associated with Australian Competitive Grants; remedy deficiencies in current research infrastructure; enhance support for areas of research strength; and ensure that areas of recognised research potential, in which institutions have taken steps to initiate high quality research activity, have access to the support necessary for development. For further information regarding this scheme, please contact Claire Carter on ext: 4349 or ccarter@uow.edu.au.

2008 URC Research Partnerships Scheme
The URC Research Partnership Scheme aims to support on a competitive basis, high quality industry related research projects of modest cost conducted by researchers of proven excellence in collaboration with partners who provide matching support. It is expected that researchers with projects supported under this scheme will submit an application in the following year for external funding. Funding up to a maximum of $20,000 for a period of one year is available to assist researchers to establish a partnership. In 2008 there will be two rounds of assessment for this scheme: Round 1 – 27 June; Round 2 - 31 October. Guidelines and application forms are available from the RSO website at: https://intranet.uow.edu.au/raid/rsos/urc-research-partnership/UOW021755.html or contact Elizabeth Phillips on ext: 4522 or eliza@uow.edu.au.

2008 URC Small Grants
The URC Small Grants scheme aims to support excellent researchers in the development of strategic research projects that will increase their potential for gaining external funding and to encourage and assist Early Career Researchers to develop their research profiles by undertaking research projects of modest cost. Proposed projects are expected to lead to practical outcomes of importance, research outputs and a subsequent application to an Australian Competitive Grant scheme. Guidelines and application forms are currently under review and will be available at the RSO website from 19 June: https://intranet.uow.edu.au/raid/rsos/internalresearchfunding/index.html For further information regarding this scheme please contact Claire Carter on ext: 4349 or ccarter@uow.edu.au.

2008 UIC International Links Grants
Funding is available from the University Internationalisation Committee (UIC) to support the development of strong research and teaching collaborations with international partner institutions. Revised guidelines and application form for this scheme will be available in late May. Please contact Julie Matarczyk on ext: 5874 or by email at juliema@uow.edu.au for further information.

Funding Success
Congratulations to Professor David Steel (Director of the Centre for Statistics and Survey Methodology, Informatics), Professor Ray Chambers and Dr Robert Clark (Informatics) who were awarded a total of $141,211 (over three years) in funding under the 2008 round of ARC Linkage International Social Sciences Collaboration. Their collaborative project with Dr Mark Tranmer and Dr Mark Elliot of the Centre for Census and Survey Research at the University of Manchester aims to develop methods to better determine the impact of household structures and other groups/social networks on unemployment, poverty, educational attainment, crime victimisation and poor health. It was one of only seven proposals funded in 2008.
RESEARCH ETHICS
The Ethics Unit will be running a training session on privacy laws, research and ethics in late April/early May. The use of existing data for research generally requires a HREC to authorise an exemption from State Federal Privacy restrictions on the secondary use of data. The session will look at the National and State Privacy Principles that govern the collection, storage, and use of data, and the conditions under which third parties can access data for research purposes. People interested in attending should contact Janine McFarlane on 4221 5908 or janinemc@uow.edu.au for more information.

AGENDA DEADLINES AND MEETING DATES FOR YOUR DIARY

Human Research Ethics Committee (HREC) - Health and Medical
Upcoming meeting on April 8th (agenda deadline March 24th)
Next meeting May 13th (agenda deadline April 28th)

Human Research Ethics Committee (HREC) - Humanities, Social Science & Behavioural
Upcoming meeting on April 24th (agenda deadline April 9th).
Next meeting May 22nd (agenda deadline May 7th)

Animal Ethics Committee
Upcoming meeting April 3rd (agenda deadline March 13th)
Next meeting May 15th (agenda deadline May 24th)

Gene Technology Review Committee
Upcoming meeting June 5th (agenda deadline May 22nd)


Research Strength Showcase Series 2008
This new lecture series will provide an opportunity to showcase the research conducted within each of UOW’s Research Strengths, and introduce the researchers involved to the general campus and community.

Wednesday 16th April –
Professor Chris Cook: Engineering Manufacturing

All Presentations will be held at lunchtime (12.30-1.30pm)
Building 20, Lecture Theatre 2

Sandwiches will also be available for those attending.

Uni in the Brewery 2008
All staff, students and the general public are welcome and encouraged to contribute in discussion at the Five Islands Brewery in Wollongong.

When:
7th May - 5:30pm-6:30pm

Who:
Professor Wilf Yeo
(Graduate School of Medicine)

"Modern medicine: how long can we live?"
The last 30 years has seen a number of major medical advances that increased life expectancy in developed countries. In the late 1970s and early 80s it was unusual to see patients over 90 years old admitted to hospital, whereas now it is common. Does medicine serve modern society well, and does society understand modern medicine? This presentation is an Australian Innovation Festival Event.

Dr Adam Dolnik - 20th August
(Centre for Transnational Crime Prevention)

A/Prof Sharon Robinson - 22nd October
(School of Biological Sciences)

More at:

RESEARCH STUDENT CENTRE
www.uow.edu.au/research/rsc/

Graduation Ceremony for HDR candidates
All HDR candidates wishing to graduate at the ceremonies to be held on 16, 17 and 18 July 2008, please note that you must satisfy the resolution made by the Thesis Examination Committee concerning your thesis, and submit two bound copies of your final thesis and a CD of your thesis to the Research Student Centre by 30 May 2008. Please note that this deadline cannot be extended. For enquiries about this process, please ring the HDR Thesis Officer on Ext 3208.

HDR Students Enrolment
As the University of Wollongong’s candidature sensus date of 31st March 2008 has now passed no retrospective research student enrolment variations can be processed. Likewise, any course transfers for Research Students will only be processed for Spring Session 2008. Please note that for Research students all enrolments/course variations/administrative matters of any kind can only be processed through the Research Student Centre.
Research Services Office and Professional & Organisational Development Services (PODS) are providing a series of one-hour seminars for researchers who have been awarded a grant and would like further information on the grant management process. Details of upcoming seminars are:

Personnel Management  
– Wednesday 9 April (11am – 12pm)

Finance Management  
– Monday 21 April (11am – 12pm)

Reporting Outcomes  
- Wednesday 21 May (11am – 12pm)

Where to Publish  
– Friday 6 June (11am – 12pm)

Managing Partnerships  
– Tuesday 24 June (11am – 12pm)

Networking for Researchers  
– Wednesday 9 July (12pm – 1.30pm)  
This session includes a networking lunch.

Nominations are now open for all seminars via WebKiosk.  
For further information contact Karen Lovasz, PODS, x4876 or klovasz@uow.edu.au

Developing Your Research Grant Writing Skills  
Day 1: Monday 19th May 2008 : 9.30am - 12.30pm  
Day 2: Monday 28th April 2008 (Optional): 1.00pm - 4.30pm  
Nominate by: Friday 9th May 2008  
Facilitators: Research Services Office and Journalism & Creative Writing  
Day one provides information and advice on preparing a successful grant application, including elements of a good application and practical grant application writing skills.  
The session includes a panel discussion with experienced UOW researchers, many of whom are involved in assessment of grant applications. There will also be the opportunity to workshop a URC Small Grant application.  
The second day (optional) provides participants with the opportunity to have their own grant application reviewed by experienced reviewers and researchers in a peer review round table setting. Nominiate via Web Kiosk.  
If you would like assistance, please contact PODS on Ext 4929.

Research Partnership Golf Day : 6th June 2008  
The University of Wollongong’s (UOW) Commercial Research Unit will host the inaugural “UOW Research Partnership Golf Day” On June 6th 2008 at Shellharbour Links. Teams of 4 Golfers will compete for the “Research Partnership Cup”. This is an opportunity for current and potential industry partners and research academics to network over a friendly round of golf….All welcome  
Teams will play 4 Ball Ambrose with a Shotgun Tee Off.  
Cart will be provided.  
When: Friday, June 6th 2008  
Where: Shellharbour Links cnr Shellharbour Road and Southern Cross Boulevard, Shellcove. Time: 7.30am Registration, 8am Tee Off, 12pm lunch, 1pm close.  
Cost: No charge. Please RSVP your interest no later than 23 May 2008 to Scott Morgan, Commercial Research Officer on (02) 4221 4983 or scottmor@uow.edu.au

Research Commercialisation Workshops  
Advance your research and your career  
Annually, University of Wollongong through our commercialisation partners UniQuest runs two separate commercialisation workshops for postgraduate students and university academic researchers, respectively. These interactive workshops are tailored to the needs of postgraduate students and academic researchers interested in applying their innovations and expertise in the community. They offer an intensive grounding in the basics of commercialisation and intellectual property protection.  
Topics covered include: Why commercialise; Safeguard your research outcomes (and still publish); Access to research funding from industry and government grants; Taking your research to the market; Career alternatives.

OUR NEXT WORKSHOPS  
Postgraduate Students: 17-18 April  |  Academic Researchers: 1–2 May  
http://www.uow.edu.au/research/workshops/

Guide to using EndNote with the Australian Guide to Legal Citation (AGLC)  
Starting your law research but not sure how to get started with EndNote and AGLC?  
Law researchers have to ensure their EndNote software is set up to work with AGLC. A new web resource is available to make the set up of your computer faster and easier. Use the link below and follow each of the steps. Please note that if you have already made modifications to your style use the ‘alternative procedure’ in Step 2.  

New look for Research Online  
Users may notice a new look to Research Online over the coming weeks, as Bepress in the US moves the system over to a new platform. The changes will be mostly cosmetic, though improvements in usability are foreseen, with a special ‘Author Corner’ section to assist in the upload process.
300,000+ full text downloads!
Research Online has recently passed the 300,000 mark in regards to the number of full text downloads of UOW research papers generated since the system first went online in January 2006. With almost 2000 papers uploaded, the system has proven a success in using search engines such as Google to promote the research output of the University.

Research publications now due
The annual HERDC publications collection is now underway and the deadline is fast approaching. To have your 2007 publications counted as part of the collection and for DEST points, the details must be entered into RIS and the status of the RIS record changed from "New" to "Seeking Faculty Verification". You also need to provide a copy of the publication and verification material to your faculty's publications officer.

The deadline for getting 2007 publications to your faculty publications officer is Friday 18 April 2008.

Dr Terence O’Dwyer is currently an ARC International Fellow at the Faculty of Science (School of Biological Sciences) and works on the sensory biology and mating systems of Procellariiform seabirds (albatrosses and petrels). He completed an undergraduate degree (in Environmental Science) and PhD (in the School of Biological Sciences) at the UOW 2004. He took up a postdoctoral position with Professor Gabrielle Nevitt at the University of California (Davis) investigating the development of olfactory capabilities in petrel chicks.

For his ARC International Fellowship he is collaborating with three highly regarded researchers from a diverse range of disciplines: Professor Mats Olsson an evolutionary biologist in the School of Biological Sciences (UOW), Professor Gabrielle Nevitt a sensory ecologist at the University of California, Davis, and Professor Scott Edwards an expert in avian genomics at Harvard University. The aims of the research are to investigate the molecular mechanisms of individual recognition and mate choice in Gould’s petrels, Australia’s rarest endemic seabird. As part of his role as ARC International Fellow Terence will travel to the USA to visit Professor Edwards at the Museum of Comparative Zoology at Harvard University to explore new techniques for genotyping birds. He will also visit Professor Nevitt at the University of California, Davis to develop the experiments necessary for testing odour sensitivity of petrels in the field. On returning to Australia he will use this new information to perform behavioural experiments on Gould’s petrels in the field.

Samuel Fosso Wamba has just arrived from Canada to take up a lectureship in the School of Information Systems & Technology. Prior to this, he was a lecturer at the Ottawa University and the Sherbrooke University in Canada. He has a Masters Degree in Mathematics and a Masters Degree in e-commerce and is nearing completion of a PhD in industrial engineering at the Polytechnic School of Montreal, Canada. Mr. Wamba is conducting leading edge research on RFID technology and has been published on the topic in top academic journals and conferences such as International Journal of Production Economics, Journal of Theoretical and Applied Electronic Commerce Research, HICSS and AMCIS. He is also the co-author of a chapter in the forthcoming book “RFID Handbook: Applications, Technology, Security and Privacy”. The existence of a research team here in UOW that is working on RFID technology and led by professors Tim Coltman and Katina Michael was one of his reasons for coming to UOW.

Dr. Moeava Tehei studied at Grenoble (France) at the University of Joseph Fourier. During his PhD (in Physics), Dr. Tehei worked on novel biological samples (Ribosome, Proteins, Membrane, Entire cells) to explore the power and limitation of neutron scattering methods. His studies were published in very high impact journals and his PhD was awarded the thesis prize for the French Neutron Society.

His postdoctoral work in the thermophile research unit in New Zealand (Hamilton) in the biomedical / biotechnology field resulted in Dr Tehei being awarded the young researcher prize from the French Society in Biophysics in 2004. He returned to Grenoble in July 2004 to the Institut Laue Langevin (ILL), where his research led to several publications. Dr. Tehei developed a strong interest in human health applications and worked towards developing an independent research programme on the effects of radiation and drugs on various cell types in a cancer context. Dr. Tehei was recently awarded the very competitive research fellowship from the Australian Institute of Nuclear Science and Engineering (AINSE) and has joined the research group headed by Prof. Nick Dixon at the School of Chemistry (Faculty of Science) where he will be involved in Neutron scattering and the relation of dynamics, structure and function of proteins, to optimise cancer treatment.

Performance Indicator System – Publication Reports
The Performance Indicator Project Team, in collaboration with the Library, RaID and faculties, have developed a performance monitoring and reporting system that enables users to extract reports on publication outputs for their faculty and monitor publications throughout the verification process using data entered into RIS. The system provides a dynamic platform to effectively monitor and drive business decisions to improve institutional performance.

The Performance Indicator System provides accessible and integrated reporting and analysis solutions for all users. If you would like more information or access to the Performance Indicator System, please contact Craig Napier on ext: 5048 or cnapier@uow.edu.au

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NEW RESEARCH STAFF

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Congratulations to PhD candidate Laurence Clarke from the School of Biological Sciences (Science Faculty). His published paper is editor’s choice for the Journal of Ecology, Volume 96, Issue 2 (March 2008). In this paper, Laurence’s research results reinforce the view that climate change is likely to have dramatic and possibly irreversible effects on the fragile plant communities of continental Antarctica. Other authors are Professor David Ayre and Associate Professor Sharon Robinson.

IPRI recently had a paper published in "Advanced Materials" and were included as the Cover Image. A full patent on this research was also lodged last December. The paper: “Direct Growth of Flexible Carbon Nanotube Electrodes” is by Jun Chen, Andrew I. Minett, Yong Liu, Carol Lynam, Peter Sherrell, Caiyun Wang, and Gordon G. Wallace. The paper reports that by directly growing carbon nanotube (CNT) networks integrated into a conductive carbon layer (CL) onto different substrates using novel metal organic catalysts, a vastly superior nanotube network (in most electrochemical aspects) is achieved when compared to commercial available CNT-based materials. This, combined with the robust nature and flexibility of the structures produced, provides an exciting advance in nano-materials. The cover of Advanced Materials is highly coveted. It is instantly recognisable and associated worldwide with the highest quality research from the top researchers in the field.

The research outcome from a collaboration between A/Professor Guoxiu Wang, Dr. Xinglong Gou, Dr. Juan Yang, Dr. Jinsoo Park and Dr. David Wexler from the School of MMM and ISEM has been selected and published in the Journal of Materials Chemistry (Vol. 18, Issue 9, 7 March 2008). The photo of the "Hyper-branched copper oxide nanoribbons for gas sensor applications" has also been chosen for the front cover of the journal. The Journal of Materials Chemistry is a prestigious journal in Materials Science with an impact factor of 4.287.

Chemical sensing plays an important role both in industry and our daily life. In particular, precise detection of explosive, chemical and biological warfare agents is critical to national defence and security. This research clearly demonstrated that nanostructures can truly leap ahead the current sensor.

Leigh Nelson, Dr Mark Dowton and Dr James Wallman (Institute for Conservation Biology School of Biological Sciences) have been awarded the ‘Best Paper in a Refereed Journal’ for 2007 in the annual Best Paper Awards of the National Institute of Forensic Science (NIFS). NIFS is a federally funded agency who sponsor and support research and training in forensic science in Australia. The paper was entitled: “Using COI bar-codes to identify forensically and medically important blow-flies” and was published in the journal, Medical and Veterinary Entomology (pp. 44-52 of volume 21 (2007).

The NIFS Best Paper Awards were created to recognise the contribution of members of the Australian and New Zealand forensic science community in sharing their work and experiences with other members of the forensic and wider communities and is based on: novel concept vs. extension of existing work; originality of the methodology; contribution to forensic science globally; clarity and understandability of the presentation; and international standing of the journal.

“Walking with Hobbits” - By Colin Groves

The ancestors of the miniature hominins found on the Indonesian island of Flores may have spread out of Africa even before the ancestors of modern humans.

This article, in the Australasian Science magazine (March 2008 issue) describes the discovery made by Prof. Mike Morwood and his team at UOW and their collaborators from the Indonesian Research Centre for Archeology.

Prof. Jim Hill was awarded the 2008 ANZIAM medal last February, for outstanding research achievements and activities in Applied Mathematics and service to ANZIAM, which is the body which promotes industrial and Applied Mathematics in Australia and NZ. This is the premier award of the society and confirms Professor Hill as one of Australia’s leading mathematicians. It is also further evidence that the School of Mathematics and Applied Statistics is home to some of the best mathematicians and statisticians in the country.

Professor Jim Hill, is Head of the Nanomechanics Group in the School of Mathematics and Applied Statistics. He is currently working in applied mathematical modeling in nanotechnology, including interacting molecular nanostructures, nanofluidics and nanoscale heating. He is presently one of Australia’s pre-eminent and leading senior Applied Mathematicians.

Professor Hill’s research group working on Nanomechanics (L to R Dr Barry Cox, Ms Duangkamon Baowan, Prof. Jim Hill, Dr Ngamta Thamwattana, Ms Tamisy Hilder). Also, a picture of geometric model of carbon nanotubes. The citation for Prof. Hill, which was read out at the awards ceremony can be viewed at: http://www.anziam.org.au/ The+2008+ANZIAM+Medal
A/Prof Chris Fergusson joins Ocean Drilling Program

In 2007 a consortium of Australian universities including groups within CSIRO developed an ARC LIEF application for Australia to participate in the Integrated Ocean Drilling Program (IODP).

The ARC application was successful and attracted funding of $1.2M annually for 5 years. The IODP is the major international project that examines the role of the oceans in Earth and is principally funded by the USA, Japan and a consortium of European countries. The advantage of Australia participating in the program is that it enables Australian researchers to take part in high-level research projects involving deep-sea drilling vessels such as the Chikyu and JOIDES Resolution.

In late November 2007 the opportunity arose for Australian scientist A/Prof Chris Fergusson (School of Earth and Environmental Sciences) to join Expedition 316 of the IODP in the Nankai Trough (off the coast of southwest Japan) on board the Chikyu. After Helicopter Underwater Escape Training (HUET) at JAMSTEC, near Yokohama, he flew out to the Chikyu on the 19th December 2007 and joined the party as a sedimentologist. Expedition 316 was the third part of stage 1 of the Nankai Trough Seismogenic Zone Experiment. It involved drilling and collecting cores of sediment and rock at four sites, associated with active faults. These faults are part of the subduction zone where the Philippine Sea plate is driving under southwest Japan and generating earthquakes and tsunami in the process. The aim of this and associated expeditions is to develop an understanding as to why large earthquakes happen. Expedition 316 was completed on 5 February 2008 (a 49 day mission). Photos from Expedition 316 available at:

http://www.jamstec.go.jp/chikyu/eng/Expedition/NantroSEIZE/exp316.pg.html
Press release: http://www.jamstec.go.jp/e/about/press_release/20080205/

The UOW has signed a Memorandum of Understanding with Yonsei University, one of Korea’s most highly-ranked universities. UOW’s Acting Deputy Vice-Chancellor (Research), Professor Lee Astheimer signed the agreement with Professor Wooyoung Lee from the Department of Materials Science and Engineering, Yonsei University. A/Prof Guoxiu Wang from UOW’s School of Mechanical, Materials and Mechatronic Engineering and the Institute of Superconducting and Electronic Materials (ISEM) visited Yonsei University last year to discuss the possibility of a collaboration, particularly focused in the area of materials science and engineering. UOW and Yonsei plan to have joint research grant applications both in Australia and Korea, exchange PhD students and use advanced laboratory facilities.

Congratulations to Professor Lesley Head, School of Earth & Environmental Sciences, Faculty of Science, and Professor Sam Bateman, ANCORS, Faculty of Law, on being invited to attend the Australia 2020 Summit.

Professor Matthew Wand has been elected as a Fellow of the Australian Academy of Sciences, distinguished for his statistical work on nonparametric function estimation. Matt Wand is Research Professor in the School of Mathematics and Applied Statistics in the Faculty of Informatics and is internationally known for his work in semiparametric statistics and statistical analysis for flow cytometry. Election to the Academy recognises a career that has significantly advanced, and continues to advance, the world’s scientific knowledge. This is a great honour for Matt and recognises his substantial contributions to Australian Mathematical Science.

Dame Bridget Ogilvie has also been elected as a Fellow of the Australian Academy of Sciences, for her work in parasitology, science administration, research and education. Dame Bridget was awarded an Honorary Doctor of Science from UOW in 2005 and currently serves as Chair for the International Advisory Board of the UOW-based Australian Centre of Excellence in Electromaterials (ACES) and as an advisor to our Illawarra Health & Medical Research Institute.

A/Professor David Mercer, from Science and Technology Studies in the School of English Literature, Languages and Philosophy (Arts), has recently accepted an invitation to take up an appointment (until December 2011) as a member of the National Committee for History and Philosophy of Science (HPS) at the Australian Academy of Science. The Australian Academy of Science has 20 National Committees which advise Council on designated themes or areas of science in Australia. The broad objectives of The National Committee for HPS, are:

• To promote research and teaching in Australia in the history, philosophy, and social studies of science, technology, and medicine.
• To facilitate linkages between Australian scholars working in this field and those in other countries.

Professor Paul Chandler (Dean of Education) has been honoured as one of 10 prominent Australian researchers at an event at the National Press Club in Canberra recently. The Thomson Scientific Australian Research Day identified 10 Australian researchers through a special multidisciplinary citation database, known as the Web of Science. The researchers come from fields ranging across the sciences to the social sciences and humanities. Professor Chandler was recognised for the huge impact of his research in education, and the large number of people who have cited his work across many disciplines. Australian Research Council CEO Professor Margaret Sheil gave the opening address at the event, and it concluded with an address by Professor Alan Robson, Chair of The Group of Eight and Vice-Chancellor of The University of Western Australia.

The Smart Foods Centre (SFC) would like to congratulate Anne McMahon who was recently awarded a SFC scholarship for her PhD, in which she is studying wellbeing: Wellness, wellbeing and food choice in conjunction with Professor Linda Tapsell and A/Prof Peter Williams from the Smart Foods Centre and Professor Judy Motion from the School of Marketing and Management.
On 24-28th February, the first HOPE Meeting was held in Tsukuba, Japan. Brianna Thompson, an ACES PhD student based at IPRI, was chosen by the Australian Research Council (ARC) Centre of Excellence Electromaterials Science (ACES) Intelligent Polymer Research Institute (IPRI) node, provided scholarships to four undergraduates from the Bachelor of Nanotechnology degree to attend the International Conference of Nanotechnology and Nanoscience (ICONN2008) held in Melbourne late February. The four students, Dennis Antiohos, David Marshall, Shane Ellis and Tom Higgins were selected via a competition amongst all senior undergraduate students in Nanotechnology. Coordinator of the Nanotechnology Degree, Prof. Will Price, said that it was a fantastic opportunity for the students to see and hear the latest research and development in this emerging area. The students also had the opportunity to attend specialist workshops and talk to industrial companies who want to employ graduates in Nanotechnology. Prof. Gordon Wallace, director of ACES/IPRI, was glad to be able to provide this opportunity to those students as it is a great investment to inspire high quality students into careers in the forefront of technology. 

On 24-28th February, the first HOPE Meeting was held in Tsukuba, Japan. Brianna Thompson, an ACES PhD student based at IPRI, was chosen by the Australian Research Council Nanotechnology Network and the Australian Academy of Sciences as one of five Australian students to attend the conference. The aim of the meeting was to gather high quality research students in the field of nanoscience and nanotechnology from the Asia-Pacific region, and introduce them to Nobel Prize winners and other outstanding researchers in the field. Throughout her visit, Brianna met and participated in discussion groups with Alan Heeger, Hideki Shirakawa (Nobel Prize winners for discovery of conducting polymers) and Sumio Iijima (who discovered carbon nanotubes). More: http://www.jsps.go.jp/english/e-astrategy/06_hope_01.html

Researchers from ACES based at the Intelligent Polymer Research Institute (IPRI) had a strong representation recently at the 15th Annual SPIE Smart Structures and NDE conference in San Diego (March) wowing the audience with the novel technologies that they are producing in the laboratories that are based on the controlled expansion and contraction of conducting polymers, carbon nanotubes and polymer gels. Dr Philip Whitten gave the keynote talk on the first day of the conference, highlighting the progresses that have been made by IPRI. Dr Scott McGovern followed in the afternoon to present a working demonstration of his robotic fish device (developed at UOW). PhD candidate Stephen John completed the team, and presented research highlighting the advances made within the engineering department. The researchers showcased some of the most recent advances that have been made in this field, and several links have been generated with other research groups to further the advancement of these technologies. Hear and see Scott McGovern at the conference at: http://cosmos.bcst.yahoo.com/up/player/popup?cl=7064054

Congratulations to our three PhD student recipients of the Chinese Government Scholarship Award for Outstanding Self-financed Students this year. They are: Zhengwei Zhao and Dapeng Chen both from the Institute for Superconducting and Electronic Materials (ISEM) and Yong Liu from the Intelligent Polymer Research Institute (IPRI). The awarding ceremony is to be held in April. In total there were 21 winners in Australia, 8 from NSW … so UOW has done exceptionally securing 3 winners.

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The 2008 Young Railway Engineer Award has been awarded to UOW research student Sakdirut Kaewwunruen supervised by Dr Alex Remennikov, under a CRC-Rail project. This is the 3rd of our research students to have won this award, and more significantly, 2 in a row for UOW. Last year, Dr. Behzad Fatahi won this award. The contributions made by Alex and Sak to innovative design of concrete sleepers for high speed trains have been significant, and through Alex’s leadership in this field, we now have the most advanced sleeper testing facilities in this region including high impact loading.

Adelaide Writers’ Week was launched on Sunday 2nd March as part of the 2008 Adelaide Bank Festival of Arts, and with it came more awards for Faculty of Creative Arts Doctoral candidate in Creative Writing, John Tranter. Tranters volume of poetry Urban Myths: 210 Poems won both the 2008 South Australian Premier’s Award for best book overall (valued at $10,000) and the Writers’ Week 2008 John Bray Poetry Award (valued at $15,000). In taking out the South Australian awards, Tranter has now received a hat-trick of state prizes for this publication, adding to the 2007 NSW Premier’s award and the Victorian Premier’s award for poetry received in 2006. John Tranter (65) was born in Cooma, NSW and first developed an interest in poetry in his teens writing his first poem at age 16. That poem was published in the school magazine and won him ‘best’ prize of £5 launching a dazzling writing career which spans more than 30 years and includes twenty published books of poetry.

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Career development learning and work-integrated learning
The National Association of Graduate Careers Advisory Services’ (NAGCAS) is taking a leading role in the development of career development learning in Australian universities, through its project Career Development Learning: Maximising the Contribution of Work-integrated Learning (WIL) to the Student Experience. This scoping project is funded by the Carrick Institute for Learning and Teaching in Higher Education. The project team will use applied research to produce guidelines, benchmarks, products and services which will support universities and their career services in articulating and maximising the career development learning which occurs through the wide variety of WIL activities occurring in Australian universities. Key intended outcomes include: more informed career choices, improved completion rates and graduate outcomes; and increased workplace productivity upon graduation.

The Graduate School of Business (GSB) has been engaged by Wingecarribee Shire Council to conduct contract research. This project is aimed at determining the viability of developing an inland port in the Southern Highlands region of NSW utilising the rail line from Port Kembla through Robertson to Moss Vale. Basically the idea is to take incoming product from Port Kembla to the inland ‘Logistics City’ where it can be de-containerised, cross-docked and redistributed along the major supply routes comprising the North/South (Syd to Melb) rail line and the Hume Highway. The title of the project is: Determining the logistical and economic viability of a Southern Highlands located logistics distribution centre - a ‘Logistics City’.

E. M. Hinder Award:
Scholarship for study in any field of South-East Asian Studies
Value: $6,000 Offered for a single time in 2008. Closing Date: 30 June 2008.
Eligibility: Available in any field of South East Asian studies to postgraduate students in any Australian university who have completed at least one year of postgraduate study and to women holding a postdoctoral fellowship.
The award is to be used for undertaking an overseas project specific to the applicant’s current research. Relevant projects could include fieldwork, archival consultation, on-site interviews. Related overseas conference participation would be acceptable as part of the project. For the purposes of this award, South-East Asia is defined as comprised of the following countries: Brunei Darussalam; Cambodia, East Timor, Indonesia, Laos, Malaysia, Myanmar (Burma), Philippines, Singapore, Thailand, Vietnam.
Tenure: Project may be commenced in 2008 or 2009.
More at: http://www.afuw.org.au

ARC PhD scholarships in ontology-based reuse
Two PhD scholarships (worth approximately AUD $20,000 per annum tax-free), funded by an Australian Research Council Discovery Grant, are available at the UOW’s Decision Systems Lab Research Centre (School of Computer Science and Engineering), and The Centre of Information System and Technology Research (School of Information Systems and Technology). The ARC-funded project seeks to define ontology-based agent oriented development methodologies. The appointees will be supervised by Professor Aditya Ghose and Dr. Ghassan Beydoun respectively, and will have co-supervision arrangements with the other chief investigators on the ARC project – Professors Graham Low (UNSW) and Brian Henderson-Sellers (UTS).

Other New Scholarships:
• Fulbright Scholarships: For Postgraduate study and research in the United States. Valued up to $A40,000
• The Faculty of Arts (UOW) is offering a PhD Scholarship (funded for 3 years) for an ARC study of Asian-Australian literature, or research on the reception of Australian writing in Asia.
• The Commonwealth Department of Education, Employment and Workplace Relations (DEEWR), in conjunction with the European Commission (EC) is calling for applications for the fifth round of EU/Australia Cooperation in Higher Education and VET projects.

For further details and other Scholarship & Fellowship opportunities please view: http://www.uow.edu.au/research/rsc/student/scholarships/index.html
HEALTH OUTCOMES 2008: Facilitating Knowledge Exchange and Transfer For a Dynamic Future

13th National Health Outcomes Conference
April 30 – May 1 2008 Canberra

Convened by the Australian Health Outcomes Collaboration (UOW). With health costs climbing and budgets being stretched, it is crucial that health professionals practice according to the best available evidence. At this conference we aim to discover how to effectively facilitate the implementation of evidence-based health care in routine care settings and explore how knowledge management systems can help us confront the information deluge. We will examine how we can bridge the gap between research innovation and routine practice to deliver better health care to the Australian population. We can ensure the most effective allocation of our health care resources to do the most good if we consolidate, expand and translate our knowledge base. Don’t miss this opportunity to help create a dynamic future for health care outcomes. For more information visit http://chsd.uow.edu.au/ahoc/ or contact Astoria Barr Ph 6205 0869 or astoria.barr@act.gov.au.

AUS Workshop on Mathematics
Applied to Liquid Crystal Technologies
MALCT : 8th – 10th May 2008

Hosted by the School of Mathematics and Applied Statistics UOW, The main aims of the workshop MALCT-2008 are to promote and develop mathematical science applied to cutting-edge technology using lasers (nonlinear guided waves) in soft matter, such as liquid crystals. The workshop will discuss future research directions in this research area and associated technologies. It is anticipated that the workshop will lead to new research, as well as strength and expand multidisciplinary international and national collaborations. In particular, the synergy between the world’s leading experimental groups and the theoretical teams will be exploited.


The ARC Centre of Excellence for Electromaterials Science (ACES), the Institute for Superconducting and Electronic Materials (ISEM) and the Intelligent Polymer Research Institute (IPRI) will bring together the Australian and International community working in the field of batteries, to present recent advances in research development and practice in batteries. Scientists and engineers from academic, government and private companies, students and researchers are welcome to join this event. Invited Speakers: are from China, South Korea, Taiwan, Japan and Australia Discussion Topics may be related to: Lithium rechargeable batteries, Advanced lithium metal batteries, Organic batteries, Preparation and characterisation of materials, Preparation and characterisation of batteries.

Cost : $200 per person or $100 student (cost is in Australian dollars). Registration includes morning tea, lunch, afternoon tea, a dinner, a Program and Abstract Book.

Contact: Rebecca 02 4221 3114 or email to rebecca.p@uow.edu.au

Asia-Pacific Symposium on Nanobionics: 22 - 25 June 2008

The field of NanoBionics: the merging of biology and electronics using the most recent advances in nanotechnology promises to revolutionise this exciting area. The potential implications for health and medical research and the increased quality of life for patients are highly significant. To achieve such goals there is a need to bring together clinicians, scientists, engineers and mathematicians in a collaborative environment to explore the emerging field of Nanobionics.

The purpose of this symposium is to provide that forum with speakers from Ireland, France, Italy, UK, Singapore, China, Korea, New Zealand, USA and Japan.

Interested?
A free public lecture is scheduled for Sunday 5:30pm to be given by Professor Graeme Clarke from the Bionic Ear Institute: "Interfacing the World to Human Consciousness" Bookings are required for the lecture. Please contact Rebecca on 4221 3127 for entry ticket.

The Symposium will be hosted by the ARC Centre of Excellence for Electromaterials Science, which is located at the UOW, Australia. With Victorian nodes Monash University, St Vincent’s Hospital and the Bionic Ear Institute, the Centre is well placed to explore the materials-medical interface. Further information: www.electromaterials.edu.au or register your interest by sending an email to aces_symposia@uow.edu.au. Registration costs will apply.

Japanese Transnational Fandoms Workshop:
3-4 July 2008

Dr Mark McEland – Faculty of Arts, School of Social Science, Media and Communication in collaboration with Dr Fran Martin (Cultural Studies) of the University of Melbourne, is organising a Workshop to be held at the University of Wollongong 3-4 July 2008. This workshop investigates the different ways in which originally Japanese genres, aesthetics and styles have been taken up, deployed and transformed by female fans transnationally. The way in which Japanese products, styles and images are received in different cultures as well as the (sub)cultural ends to which they are deployed will be investigated, as will the impact of the fandom on the changing nature of consumerism, participatory fan culture and particularly gender in the Asia-Pacific region and beyond. Keynote speaker: Professor Christine Yano (University of Hawaii) speaking on the global Hello Kitty Fandom.

The event is open to invited participants only. (This is not a public event). If you are interested in attending the event please send Mark McElland markmc@uow.edu.au and Fran Martin f.martin@unimelb.edu.au by May 30 2008: a 300-word summary of the ways in which the workshop’s theme relates to your own research; a brief academic CV (2-3 pages).


To ensure inclusion of your research news, event or service in the next issue of RaD (due for publication mid June), please e-mail details to vwallace@uow.edu.au by June 2nd.