Contributions

Contributions to Research & Innovation News (Research news, achievements and events) are always welcome.

For inclusions in the next issue, (due for publication Early mid November), please e-mail details before 1st November to lhawes@uow.edu.au or vwallace@uow.edu.au

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New Director, Commercial Research and Innovation & Technology Transfer

Cameron Ferris wins UOW Three Minute Thesis Competition
SERIOUS ABOUT RESEARCH?
Subscribe to our e-newsletter to learn about the latest research achievements at UOW as well as research opportunities for staff and students.
Email your details to lhawes@uow.edu.au or for further information call (02) 4298 1436
New Director, Commercial Research and Innovation & Technology Transfer

Elizabeth Eastland has recently been appointed as Director of Commercial Research and Innovation & Technology Transfer. This role integrates the Commercial Research unit and the Innovation and Technology Transfer Team (IT&T) - which includes the Managers of Innovation and Commercialisation (MICs) and our partnership with Uniquest. The integration of the two functions will build synergies and leverage and expand UOW’s relationship to enterprise.

Elizabeth comes to us with twenty years’ experience in telecommunications R&D, M&A and Strategic Marketing, as well as a keen interest across arts and sciences. Along with her appointment in this new role she is also doing her PhD in Film at SCA, Sydney University.

“I was very interested in coming to University of Wollongong in this capacity as the position draws upon both my industry experience in innovation and technology transfer plus my interest in non commercial activities that are often profound and far reaching in society but not necessarily economically driven.”

“The benefits of Commercial Research and Commercialisation are broad and go well beyond financial benefits. Commercial Research and Commercialisation both provide opportunities for academics to extend their research contacts by collaborating with other academics they possibly may not have had a chance to otherwise; by engaging in a commercial role that may provide an alternative way of seeing a problem or seeing new research possibilities; by providing a formal way for the University of Wollongong to engage with corporate and government enterprises; and finally, by offering academics who have come with industry experience to put their research back to use in a commercial environment. Finally, there is nothing so special as meeting some one you have never met experiencing your innovation and finding value in it.”

“We encourage you to get to know us if you have not already.”

Innovation and Technology Transfer Team


Our Managers of Innovation and Commercialisation (MICs) are assigned on a faculty basis. Their role is to provide advice and support for an idea that could turn into a commercial opportunity and can be protected by either patent or copyright. Contact your MIC if you think you have an idea that fits this description. The earlier you contact us the better, so we can help you to understand the documentation process required to protect the idea before public disclosure (e.g. publication).

Tony Enright, Manager Innovation & Commercialisation, Informatics, Education and Creative arts
x4129 or tonye@uow.edu.au.

Gavin Dixon, Manager Innovation & Commercialisation, Health, Science and Arts x5029 or gavin@uow.edu.au.

Deon de Saldanha, Manager Innovation & Commercialisation, Engineering, Commerce and Law x4470 or deon@uow.edu.au.

Tamantha Stutchbury, Associate Manager Innovation & Commercialisation, Contact for Commercialising eLearning, and CRC matters x5025 or tamantha@uow.edu.au.

Commercial Research Unit


The Commercial Research Unit is responsible for commercial research management and negotiation of commercial research agreements up to $250K. We can assist you with providing costing advice, and preparing the contract to external customers.

Stuart Parker, Commercial Research Manager
For information on the commercial research process call x4983 or email sparker@uow.edu.au

Brett Weeden, Tender Manager
For advice on Tendering or potential Industry Partners call x3913 or email bweed@uow.edu.au.

Finally, we are supported by a great administration team, so if in doubt as to whom in the team to speak to, contact them directly on x4486 or gina@uow.edu.au.
NEWS FROM THE GRANTS TEAM

Grant Outcomes

NSW Environmental Trust

Congratulations to A/Prof Stephen Ralph (Faculty of Science) who was successful in obtaining a Seeding Grant of $14,950 from the NSW Environmental Trust for his project, ‘Microbial filtration using carbon nanotube membranes’.

2011 URC Small Grant Scheme

41 applications were successful, with a total of $448,239 funding awarded across all faculties. For details of successful applications please visit https://intranet.uow.edu.au/raid/rso/grantoutcomes/UOW088109.html

2010/11 UIC International Links Grants

Of the 40 applications received, 16 were successful. A total of $124,974 funding was awarded. 6 grants were awarded for collaborative efforts with institutions in Thailand, which was the country of focus for this round. For details of successful applications please visit http://www.uow.edu.au/research/rso/grantscalendar/outcomes/UOW086710.html.

2010 Australian Learning & Teaching Council Grants (various schemes)

Congratulations to the following successful UOW applicants:

Competitive Grants:

- Dr Garry Hoban: received $143,000 for his project entitled: “Promoting New Ways of Teaching and Learning in Science Education with Student-created Digital Animations”.
- A/Prof Tonia Gray: successful in a project led by Murdoch University in collaboration with UOW and Macquarie University, entitled: “Bringing the learning home: re-entry programs to enhance study abroad outcomes in Australian universities”.
- Prof Timothy McCarthy: successful in a collaborative project with UNSW, UTAS and UTS, entitled: “An adaptive eLearning Community of Practice for Mechanics courses in Engineering”.

Priority Projects:

- A/Prof Craig Gonsalvez: awarded $105,000 for his project with UNSW, USyd, Macquarie, Newcastle and UWS, entitled: “The vignette-matching procedure: An innovative approach to assess competencies in psychology and clinical practicum”.

Leadership for Excellence in Learning and Teaching Grant:

- Dr Helen McGregor: successful in a collaborative grant with UTAS, Murdoch and UNSW, for their project entitled: “Demonstrating distributed leadership through cross-disciplinary peer networks: responding to climate change complexity”.

MAJOR UPCOMING FUNDING OPPORTUNITIES

Due Date | Scheme
---|---
20 October | ARC Linkage Projects - first draft of application due to RSO for review
25 October | Round 2 UOW Research Partnership applications close
2 November | Bill & Melinda Gates Foundation - Grand Challenges Explorations (Round 6)
3 November | Banting Postdoctoral Fellowships - Canada
17 November | ARC Linkage Projects - applications due to the ARC

ARC Linkage Projects 2011 Round 2


2010 URC Research Partnerships Grant Scheme

Round 3 the final round for 2010, closes at 5pm Monday, 25 October. Interested applicants should contact Elizabeth Phillips (eliza@uow.edu.au) or visit https://intranet.uow.edu.au/raid/urc-research-partnership/UOW021755.html

Bill & Melinda Gates Foundation - Grand Challenges Explorations (Round 6)

Applications addressing any of the five specified health topics (available at http://www.grandchallenges.org/Explorations/ are invited to encourage innovative and unconventional global health solutions. Applicants can be at any experience level and in any discipline. Interested applicants should contact Elizabeth Phillips (eliza@uow.edu.au) for more information. Applications close November 2, 2010.

Banting Postdoctoral Fellowships - Canada

Applications for two-year fellowships worth $70,000 pa, are open to researchers who have recently completed a PhD, to commence a research-intensive career at a Canadian host institute. More information is available at http://www.banting.fellowships-bourses.gc.ca/ Applications close 3 November 2010. Interested applicants should contact Danielle Annese (annese@uow.edu.au) for more information.
PODS would like to advise of the following Research Development Courses remaining for 2010:

**Developing Your Research Grant Writing Skills**  
Day 1: Monday 20th September 2010  
Day 2: Friday 5th November 2010 (optional)

**RIS Researcher Training**  
Thursday 30th September  
Thursday 18th November 2010

**Tips for Tendering**  
Thursday 22nd October 2010

For more information on each of these programs, please visit [https://intranet.uow.edu.au/pods/calendar/index.html](https://intranet.uow.edu.au/pods/calendar/index.html) or email pods@uow.edu.au if you have any queries about the courses on offer.

Nominate for these programs via Web Kiosk:  

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**Three Minute Thesis Competition**

The UOW three minute thesis competition allows Selected Higher Degree Research Students (PhD and Masters Research) to present a compelling oration on their thesis topic in three minutes, highlighting the research significance, in language appropriate to an intelligent but non-specialist audience. The competition was held on Thursday, 2 September.

20 finalists were chosen from 45 nominations. There was an audience of over 170 people.

**Winner:**  Mr Cameron Ferris, IPRI, “Printed patches for a broken heart”

**Second place:**  Ms Van Tran, Education, “They are to blame, not us: the authoritative voice in quality issues of postgraduate education in Vietnam”

**People’s choice:**  Mr Jie Yang, ICT-R, “Can we help Google search?”

Congratulations to all the competitors for their great talks.

Cameron Ferris, represented UOW in the transnational three minute thesis finals, held in Brisbane on 21 September.


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**Enrolments**

All HDR student enrolment variations for this year have been processed. HDR students are asked to check their enrolments are correct for Spring Session 2010. A reminder that thesis only subjects are THES924 (full time) and THES912 (part time). If a student has been granted leave of absence for Spring Session 2010 no subject will be listed against Spring Session 2010.

Any enrolment variations for Autumn and Spring Sessions 2011 should be entered in the 2010 Annual Progress Report (APR). Enrolment variations granted outside of the APR must reach the Research Student Centre together with Principal Supervisor or Head of Postgraduate Studies approval by the Census date 31st March 2011.

Any enrolment enquiries or enrolment variation requests can also be made directly to the Research Student Centre – June Toussis (HDR Enrolment Officer) Building 20, Ground Level, phone 42215453 or email junet@uow.edu.au.

For HDR students whose thesis has been examined:

Please note that if you wish to graduate in December, you must satisfy the Thesis Examination Committee resolution, and submit to the Research Student Centre two bound copies of the final thesis, CD and Thesis Declaration form Part B by Friday, 15 October.

**Annual Progress Reports 2010**

Annual Progress Reports for 2010 will be released online via SOLS on the 11th October 2010. It is a course requirement that all research students complete an APR in order to be re-enrolled for 2011. Note: Students who have been on Leave of Absence must also complete an APR to be re-enrolled in 2011. HDR Students who do NOT commence the APR process by the dates required may have their enrolment discontinued. It is extremely important that all parties comply with the due dates for completion to allow RSC to process the enrolment prior to the Audit date of 31st March 2011.
Dr Anu Bissoonauth-Bedford, lecturer and convenor of the French Studies program in the Language Centre talks to Ainsley Lynch from the Library.

Globe trotter is an appropriate term for Dr Bissoonauth-Bedford, who grew up in Mauritius, started her academic career in Montpellier (France) and has since worked in the UK, Spain, and the Caribbean, arriving in Australia in 2007. She completed her PhD at Nottingham University studying patterns of language use, language choice and language attitudes of Mauritian adolescents.

While in Nottingham, Dr Bissoonauth-Bedford also started learning Spanish, which took her to the Basque region of Spain for 9 months. In 2005, she took up a position as Lecturer at the University of the West Indies in Trinidad and Tobago, which she describes as a unique linguistic and cultural experience due to the intense mix of Spanish, Indian, African and European influences.

Dr Bissoonauth-Bedford has two sides to her research coin: the teaching and learning of languages, and sociolinguistics, particularly language use in a multilingual context. With teaching and learning languages, Dr Bissoonauth-Bedford says, "I support my teaching with new technologies in a way that aims to make learning more immersive, both in class and outside class." With sociolinguistics, Dr Bissoonauth-Bedford investigates how multilingual people choose to use different languages in a variety of social contexts. She is also interested in how languages compete in multilingual environments, why some are lost and others live on. For example, Dutch immigrants in Australia have chosen to shift to English and forget their native Dutch in one generation, while immigrants from Greece, Italy and Eastern Europe for instance tend to keep their languages alive alongside English.

Right now, Dr Bissoonauth-Bedford is investigating how to integrate the use of technology into the curriculum to improve students’ grammar skills in French. Dr Bissoonauth-Bedford is testing an online discussion forum, where students can ask questions and help each other. Although weekly participation on a grammar feature studied in class was at first compulsory, she is finding most students use the Forum far more often and it is being used both as a learning as well as a social networking platform, where students share learning tips, cultural and social news on French film screenings, French music sites and other cultural interests. Early in 2011, Dr Bissoonauth-Bedford will be attending the Association of French Universities (AGRAF) conference in Mumbai, “Fostering learning and teacher autonomy in educational practices: languages & beyond”, to present the results of this pilot.

One of the highest accolades at UOW is the Vice-Chancellor’s awards for Outstanding Contribution to Teaching and Learning (OCTAL). Dr Bissoonauth-Bedford received an OCTAL award earlier this year for her work for developing the elearning content and enhancing the French Studies Program. She has set up an exchange program with our closest French speaking neighbour, the University of New Caledonia, and also a Summer School which counts towards the Bachelor of Arts.

Dr Bissoonauth-Bedford insists you cannot do it all alone, “My piece of advice for new researchers is to build a research network of people who can help you,” she recommends attending workshops and conferences to meet specialists in your field, “let [experts] critique your work so that you can learn how to improve.” This may include getting a Mentor. Her second piece of advice is to schedule time for research into your busy schedule.

Background work for her research projects: Dr Bissoonauth-Bedford uses the Library’s Modern Languages database for her research. When it comes to publishing, she uses the ERA listing found on the Library’s Where do I publish? guide [www.library.uow.edu.au/researchers > Publishing] and also Ulrich’s database to get information on different publications and which database indexes them.

“Get your Librarian to help you”, recommends Dr Bissoonauth-Bedford. “Until recently I was unaware of the power and convenience of Endnote”, the software that can manage references, images, notes and other files in an EndNote library. Dr Bissoonauth-Bedford was particularly interested in how easy Endnote is to personalise and its portability when using a USB key. Faculty Librarian, Lesley Smith, and the Library’s EndNote team helped her get started. “Lesley is part of the large network of expertise I have created for myself at UOW.”

Due Dates 2010 | APR Section – Action Required
--- | ---
11th October 2010 | APRs released on-line via SOLS
8th November 2010 | Section 1 – HDR Candidate to complete following discussions with supervisor(s).
22nd November 2010 | Section 2 – Principal Supervisor to complete and publish to student
6th December 2010 | Section 3 – HDR candidate to complete in response to supervisor comments/recommendation.
20th December 2010 | Section 4 – Head of Postgraduate Studies to make recommendation
21st January 2011 | Section 5 – Dean to make final recommendation then return APR to the Research Student Centre.
1 – 28 February 2011 | RSC process HDR re-enrolments, LOA requests, enrolment amendments etc for 2011

Please go to the following link for information regarding APR guidelines and process http://www.uow.edu.au/research/rsc/hdrhb/UOW008952.html

For further enquiries contact Christine Mason, Research Student on Ext. 5672 or email cmason@uow.edu.au

LIBRARY NEWS
www.library.uow.edu.au
OPEN ACCESS WEEK 18-24 October 2010

Open Access Week highlights the burgeoning support for open access to research outputs amongst the international higher education community and the general public, through the proliferation of digital repositories – such as the University’s Research Online (http://ro.uow.edu.au) - and the adoption of open access policies by major research funders.

The Library will be hosting an event to mark the opening of Open Access Week on Friday 15th October. For more information go to http://uow.libguides.com/openaccess

A number of ERA ranked peer-review journals edited by University of Wollongong staff are available on open access via Research Online. These include Law Text Culture, edited by Rick Mohr, Law; Australasian Accounting Business and Finance Journal, Ciorstan Smark, Commerce; Journal of University Teaching and Learning Practice, Geraldine Lefoe, ASD; and the Australasian Journal of Peer Learning, Sally Rogan, ASD. Research Online can manage the full peer review process, archive past issues and increase online accessibility to the research community. If you would like to make use of Research Online, or are thinking of creating an open access scholarly journal, please contact Michael Organ, Manager Research Online at the Library, ext 3108.

Dr Anu Bissoonauth-Bedford’s advice for new researchers:

- Build a research network
- Schedule ‘research time’
- Get a Mentor

What’s your best tip for…

Compiling literature reviews
- Start using the program Endnote as soon as you can! If you don’t think you need it, you don’t know how good it is. It is your own personal portable library.
- Know who your Faculty Librarian is, know their face. Lesley Smith, the Arts Librarian always responds quickly and is extremely competent.

Keeping up to date with research
- Read the important journals in your area
- Go to as many conferences as possible, to network with colleagues and hear about the latest developments, usually long before they are published.

Professor Brian Cullis

UOW and the CSIRO have teamed up to appoint Brian Cullis to the position of Professor of Biometry. Biometry is a discipline of statistics that develops and applies statistical theory and methods in the biosciences, including agriculture, forestry, fisheries in the primary industries sector and biomedical science and public health.

The appointment of Professor Cullis is also supported by the Grains Research and Development Corporation (GRDC), who have identified the lack of sufficient statisticians available for research and development as a significant hindrance to the success of their research program. In a recent National capacity audit of research disciplines related to the grains industry, the GRDC identified statistics as one of the top 10 areas of greatest need for capacity building. Biometry departments, particularly those with interest in the primary industries sector have disappeared or have been significantly reduced affecting their ability to work effectively with scientists in a range of areas. There has been no real growth in the number of biometricians working in public sector organisations for the past decade. Several state departments have little, or no biometrics capacity, while biometrics capacity in other states is declining. Succession planning for future employment prospects for new graduates is vital in all states. According to UOW and...

Professor Brian Cullis
CSIRO there needs to be enough students coming through with the appropriate qualifications and education in mathematics and statistics. Brian Cullis’ research and collaborative work focus on the development and use of statistical methods for primary industries.

Professor Henry Ergas

One of Australia’s leading economists, Professor Henry Ergas, has been appointed as the inaugural Professor of Infrastructure Economics at the SMART Infrastructure Facility at the University of Wollongong.

Professor Ergas will focus on the economic, regulatory and public policy research program at SMART. He will be taking a special interest in the development and application of cost-benefit analysis and in the analysis of pricing and investment decisions in regulated infrastructure industries. He will also be running a program examining the issues involved in ensuring the timely deployment and upgrading of infrastructure, with a focus on our major cities and on export industries.

Professor Ergas will be directing a number of seminars and workshops at SMART that will bring together leading practitioners and academics, as well as government, on strategies to improve infrastructure decision-making.

He will be supported by a high quality cluster of inter-disciplinary researchers from across the University. Professor Ergas will also deliver an executive education seminar program in the area of infrastructure economics and management.

**PUBLICATIONS**


With contributions from philosophers (of science and biology), sociologists (of knowledge, risk, and the body) and human geographers, this book takes an interdisciplinary approach to understanding ‘nature’ in our post-genomic era.

Now that the human genome and thousands of others have been sequenced, and since many new genomic technologies continue to impinge directly on our understanding of what is un/natural, it is timely to examine the complex entanglements between the materiality of nature and our representations/understandings of it.

Other essays focus on interspecies organisms, synthetic biology, biopharming, agricultural biotechnology, experimental genetics or obesity. Nature After the Genome offers a nuanced and multi-faceted problematisation of the social, cultural and biological ‘nature of nature’.

Associate Professor Katina Michael at the Faculty of Informatics, and member of the Institute for Innovation in Business and Social Research (IIbSoR) has guest edited a special issue of the IEEE Journal titled: “RFID—A Unique Radio Innovation for the 21st Century”, with four other international academics from the UK, Hong Kong and US.

PIEEE is the most highly-cited general interest journal in electrical engineering and computer science, covering emerging technologies with authors and guest editors drawn from the best research facilities, leading edge corporations and universities around the world.

Watch out for the September 2010 edition of PIEEE, Vol. 98, No. 9 where The University of Wollongong and IIbSoR have two papers included; the guest editors plotting the 21st century vision for RFID in a paper entitled: “Planetary-scale RFID Services in an Age of Uberveillance” and where Associate Professor Tim Colman, Dr Samuel Fosso Wamba and Ms Valerie Baker investigate the factors that influence an organisation’s decision to invest or not to invest in RFID in “Unpacking the RFID Investment Decision”.

These papers are available on the IEEE Xplore Digital Library, see http://ieeexplore.ieee.org/.


Dr Mitch Byrne, A/Prof Peter Caputi and UOW PhD candidate Ching have recently released this publication. It is one of several forensic studies being conducted at UOW demonstrating an active involvement in not only clinical and experimental research, but also forensic research.

**Travel Tale**

Have you been travelling around Australia or internationally lately as part of your research? Send us your Travel Tale and snaps for the next ‘Travel Tale’ section – and inspire others to travel as part of their research!!!

For information on International Funding Opportunities visit https://intranet.uow.edu.au/raid/internationalfunding/index.html

**Attention UOW Researchers:**

The University is updating our database of experts. We want our researchers and academics to be quoted in news outlets around the world!

Our current database is used regularly by journalists and media to identify people to give comment on media issues, and can be found at: http://www.skills.itc.com.au/index.asp

The media seeks comments about a huge range of topics so if you have expertise or specific knowledge in a particular area, please visit: http://media.uow.edu.au/expertise/index.html and fill in the form.
New Oz idea granted US patent

A novel method of characterising lipid molecules (fats) developed by UOW researchers has been granted a patent by the United States Patent and Trademark Office.

Invented by researchers within the Schools of Chemistry and Health Sciences, the method of Ozone Induced Dissociation (known as “OzID”) provides detailed information about molecular structure that is unavailable from traditional methods of mass spectrometry. The granted US patent (US Patent No. 7,771,943) represents the first of a number of patent rights sought for this invention in major jurisdictions.

“OzID first harnesses the power of mass spectrometry to separate one compound out of literally hundreds on the basis of mass, then uses ozone like a pair of molecular scissors to cut the molecule at a particular position, namely a double bond,” according to one of OzID’s co-inventors Associate Professor Stephen Blanksby (School of Chemistry). “This allows us to unambiguously assign the structure of the compound and importantly differentiate molecules that differ only by the position of their double bonds,” Professor Blanksby said. “Examples of molecules where this analysis will be particularly useful are lipids where the double bond position, usually labelled as omega-3, omega-6 etc, can have a dramatic effect on nutritional or physiological properties,” he said. OzID has been performance trialled in a research collaboration between UOW and AB Sciex, a company which specialises in life science analytical technologies. Findings from this research have been accepted for publication in the Journal of The American Society for Mass Spectrometry, the peak journal in the field. “Obesity, type 2 diabetes, cardiovascular disease and several forms of cancer have all been linked to altered lipid metabolism,” another of OzID’s co-inventors, Dr Todd Mitchell (School of Health Sciences) said. “Improving our understanding of the role of lipids in these illnesses may lead to better ways to prevent or manage such disease states.”

Discussions between UOW, UniQuest (UOW’s research commercialisation partner) and a number of potential commercial partners will continue over the licensing of the intellectual property associated with OzID.

Informatics academics help boost research rankings

Two academics from the Faculty of Informatics have been listed on the Information Systems (IS) Research Rankings website which identifies the world’s top IS papers from peer-reviewed IS journals.

Institute for Innovation in Business and Social Research (IIbSoR) member Dr Samuel Fosso Wamba and co-author Dr Akemi Chatfield (School of Information Systems and Technology) have been listed.


According to IIbSoR, the researchers’ paper “a contingency model for creating value from Radio Frequency Identification (RFID) supply chain network projects in logistics and manufacturing environments” contributed to UOW’s equal 4th place world ranking for papers published in the European Journal of Information Systems (ERA A*) during 2009.

New research unit takes a collaborative approach to education

A new research institute that will look into different areas of educational research was recently launched at UOW.

The Interdisciplinary Educational Research Institute, directed by A/Prof. Tony Okley, is a UOW Research Strength that involves researchers from education, psychology, health sciences, arts, and medicine.

It has 30 members (either full-time research or academic staff), over 90 higher-degree research students, and was awarded over $4.5 Million in competitive grants and contract funding from 2007 to 2009.

The Institute comprises four intersecting themes, with a proven track record of collaboration among researchers from different disciplines across four themes.

• Learning, Design, and Technologies
• Physical Activity and Nutrition
• Language and Literacy
• Social Inclusion

Dean of Education Professor Paul Chandler said IERI was the first research initiative of its kind in Australia. “We expect it to be a leading international player in multi-disciplinary educational research”. More information can be found at http://ieri.uow.edu.au/index.html

Addressing violence against women

Dr Michael Flood (SSMC/Sociology), with colleagues at Latrobe University and the University of Western Sydney, has been awarded an Australian Research Council (ARC) Linkage Grant to examine culture change addressing violence against women in the Australian Football League (AFL).

The project investigates the introduction of a primary prevention of violence against women strategy between 2005 and 2009. It will examine measures adopted to produce culture change among elite players and throughout the organisation. The research aims to inform practice in the AFL and identify principles for settings-based promotion of respectful behaviours which are
transferrable to other settings. In providing a focused investigation of settings-based primary prevention of violence against women, the research will make a contribution which has been absent thus far in Australian and international scholarship. The project will inform policy development and prevention practice in institutional settings, and will generate knowledge regarding the processes involved in changing attitudes and behaviours to achieve culture change within organisations and the wider community.

Leadership Program Propels Australian Academics

In an Australian first, UOW has developed a one-year intensive leadership program that will train academics from across the country to be effective and capable leaders to ensure a prosperous future for the tertiary education sector.

The PROPEL initiative (Program for Preparing Early Leaders), was developed by UOW’s Social Innovation Network and will be led by the Faculties of Commerce and Education. The program is a potential solution for the academic leadership crisis that Australia may face in the future.

PROPEL Project Leaders; Professor Sara Dolnicar, Professor Rob Castle and Professor Wilma Vialle believe the program is an important step in developing future academic leaders who can use the skills learnt throughout their whole career.

“There is much evidence to suggest there will be a shortage of leaders in our Universities in the future so it’s important to be proactive and develop a comprehensive leadership program that can be used as a model in other universities in Australia and around the world. We believe that our training program will have high impact because it gives academics opportunities to develop their skills and confidence before they are faced with real leadership challenges. Most leadership training is done the other way around – become a leader first and then learn about leadership sometime later,” said Dolnicar.

In a tough, competitive selection process, fifteen academics have been chosen and will be taking part in the program. Three of the participants are from Universities in other states. Joint Project leader Prof Rob Castle sees getting other universities on board as vital to raising awareness of the leadership crisis Australian universities could face. “The PROPEL program will become a resource which universities can pick up and run locally without having to invest in all the development work which UOW has already done. We want to make it as easy as possible for universities to become proactive in developing leaders for their future”, Castle said.

There are six components of the program: mentoring, leadership skills, big picture, active, interdisciplinary and the reflective component. PROPEL also aims to engage with academics that are in their early stages of their career.

PROPEL is funded by the Australian Teaching and Learning Council. UOW Faculties are contributing resources and expertise towards the Program.

For more information contact:
Professor Sara Dolnicar 0405759031
/sarad@uow.edu.au

Double Success for Creative Arts at National AWGIE Awards

Lecturer in Stage and Screenwriting in the Faculty of Creative Arts, Dr Catherine Fargher, and Doctor of Creative Arts scholarship student, Donna Abela, won their award categories at the 43rd Annual Australian Writers’ Guild (AWGIE) awards.

The AWGIE award winners were announced at a gala dinner held in Melbourne.

Dr Fargher was nominated in the ‘Radio: Original Category’ for her radio play ‘The Violin Player’ broadcast this year on ABC radio while Donna was nominated in the ‘Radio: Adaptation Category’ for her work, ‘Mrs Macquarie’s Cello’.

News from the Institute for Innovation in Business and Social Research

Professor John Rossiter, Research Professor at the Department of Management and Marketing and the Institute for Innovation in Business and Social Research (IIBSoR) at UOW, has won the prestigious Best Paper of 2009 Award from the International Journal of Advertising.

Professor Rossiter and his co-author, Dr Lars Bergkvist from Stockholm University, were presented with the award at the International Conference on Research in Advertising in Madrid in June, for their paper titled “Tailor-made single-item measures of doubly concrete constructs.”

Their study addresses how to measure three constructs commonly used in advertising research: attitude towards the ad (A-Ad), brand attitude (A-Brand), and brand purchase intention (PI-Brand). Basing this new study on findings from previous research they conducted when Dr Bergkvist was a member of the marketing faculty at UOW, Professor Rossiter and Dr Bergkvist have added several extensions. If you would like a copy of this paper – email vwallace@uow.edu.au with your request.

Congratulations to Associate Professor Tim Coltman, Deputy Director of the Institute for Innovation in Business and Social Research (IIBSoR), and IIBSoR member Dr Pierre Richard who were one of five finalists for the Most Promising Paper in Behavioral Strategy award at the Academy of Management Conference in Montreal, Canada in August.

Their paper “Mental Models and Supply Chain Strategies” examines the role of decision makers and the importance of mental models to strategic choice. In strategy, researchers assume that the choices made by decision makers are based on purposive meaningful criteria, but know that cognitive limitations lead to systematic biases from optimal strategy. This paper outlines an experimental study examining the relationships between the dimensionality of mental models (i.e., their accuracy, complexity and certainty) and strategy choice. The annual Academy of Management Conference is the leading management conference in the world.

Non-violence research and writing workshop

In July a small group of top nonviolence researchers from around the world took part of a three-day workshop in Wollongong.

The aim of the workshop was captured by a question: “What can we do to improve nonviolence research?” Participants discussed transitions from armed to nonviolent struggle, actions that create a dilemma for opponents (whatever the opponent does, the activists gain), responding to extreme left-wing critics of nonviolence, links between activism and research, and building peaceful societies after a conflict.

One important outcome was the decision to set up a nonviolent action research network. Other outcomes were planning specific
articles and edited collections and more generally targeting areas for research. For more information please contact Prof. Brian Martin, Faculty of Arts.

PhD student wins global award for rail research

An international PhD student in Civil (geotechnical) Engineering at the University of Wollongong, Ms. Ni Jing, has been awarded a prestigious global award from the Philadelphia-based Geosynthetic Institute.

Ni Jing’s thesis work is on “Cyclic Behaviour of Prefabricated Vertical Drains in Soft Soils under High Speed Train Loads”.

The submission of her current research outcomes and the comprehensive PhD research plan ranked among the world’s top PhD projects as assessed by the International Geosynthetic Society and the Geosynthetic Institute in the innovative use of synthetic products in civil infrastructure.

Ni Jing’s research has been awarded an amount of USS20,000 (US$10,000 a year up to two years maximum), and she will be honored as a Fellow of the Geosynthetic Institution.

One of her co-supervisors, Professor Buddhima Indraratna, said the award was available for PhD students worldwide. Ni jing is also an in-kind PhD student working under the Cooperative Research Centre for Rail Innovation (CRC-Rail). Her other co-supervisor is Dr Cholachat Rujikiatkamjorn.

Success for Geotechnical Group

PhD student Ana Heitor from the Faculty of Engineering’s Geotechnical Group recently won the 2010 Young Professional Geotechnical Competition.

The competition, held in Sydney, was hosted by the Australian Geomechanics Society and Institution of Engineers Australia.

Ana’s presentation, based on her PhD research, was conducted in front of a packed audience in the Institution of Engineers Australia (IEAust) Auditorium. She won for her innovative non-destructive testing method for evaluating the compaction efficiency of reclamation fills using seismic waves (without having to auger soil samples). Her research has direct application to the Penrith Lakes development. Ana’s PhD research, supervised by Professor Buddhima Indraratna and Dr Cholachat Rujikiatkamjorn, is part of an ARC-Linkage project in collaboration with the University of Western Sydney, Penrith Lakes Development Corporation and Coffey Geotechnics.

External Links for SInet

The University’s Social Innovation Network (SInet) is taking steps to establish a presence in the global Social Innovation Exchange (SIX) with the support of Steve Lawrence, Chief Executive of the Australian Social Innovation eXchange (ASIX). SIX is a logical home for SInet with a networked community of over 700 individuals and organisations, including small NGOs and global firms, public agencies and academics, committed to promoting social innovation and growing the capacity of the field. Steve was the guest speaker at the SInet Members Meeting on Wednesday July 28 and spoke passionately about this global movement. ASIX held a Meetup in Wollongong in October 2009 and one of the ideas suggested by SInet at that event was chosen to be presented at the the first Australian Social Innovation Camp held in Sydney in May this year.

During his visit here Steve, who grew up in Wollongong, spoke of his vision as to how SInet could be an active partner in ASIX together with The Australian Centre for Social Innovation (TACSI) in Adelaide and the Centre for Social Impact (SCI) at the University of NSW.

Links with the latter will be formed at the next public SInet seminar to be held at the Innovation Campus on the evening of October 27. This seminar will feature Cheryl Kernot, one of the directors of SCI.

Congratulations to Susan Angel from the School of Journalism and Creative Writing for being commissioned by ABC Radio National’s Hindsight Program to make a documentary about her Ph.D research into a 1932 media drive expedition to the Tanami desert in the Northern Territory in 1932. Susan will be re-tracing the steps of the expedition along the “tragedy track” over a period of a month in late November/December this year. Susan and some UOW Journalism students have also been involved in an ABC online project called ‘ABC Open one-on-one change’ which is a slideshow project documenting lives of people in the Illawarra. The slideshows can be found at http://www.abc.net.au/illawarra/open/?site=illawarra&ref=fb-top3-illawarra-regional-landing

ERA Research Evaluation Committees

The evaluation of data submitted for the 2010 ERA initiative by Australia’s higher education institutions will be undertaken by Research Evaluation Committees (RECs). There are 149 REC members in total appointed from across Australia and overseas, and broadly representative of the disciplines within each Cluster. In recognition of their research experience and expertise, the following UOW staff have been selected to be members of RECs in the following discipline clusters. Congratulations to:

- Prof Sara Dolnicar (Commerce Faculty), Social Behavioural and Economic Sciences REC
- Prof Chris Gibson (Science), Social Behavioural and Economic Sciences REC
- Prof Xu Feng Huang (HBS), Biomedical and Clinical Sciences REC
- Prof Wenche Ommundsen (Arts), Humanities & Creative Arts REC
- Prof Elena Pereloma (Engineering), Engineering & Environmental Sciences REC
- Prof Tony Worsley (HBS), Public & Allied Health Sciences REC

More information on the ERA REC committees is available at: http://www.arc.gov.au/era/recs_2010/era_2010_RECs.htm
Postgraduate awards in SMART Infrastructure Modeling

The SMART infrastructure Facility is offering higher degree research awards in interdisciplinary infrastructure modeling from a wide range of areas, including engineering, commerce, informatics, law and science.

SMART is an interdisciplinary facility which aims to develop research projects involving the social, economic, informatics and other implications of infrastructure as well as technical scientific, communications and engineering implications.

When completed, the new SMART building has the capacity to host 200 higher degree research students.

The closing date for applications is 17 October 2010.


2011 UOW Higher Degree Research (HDR) Scholarships

Applications close soon for the following scholarships commencing in Autumn Session 2011:

- Australian Postgraduate Award (APA)
- University Postgraduate Award (UPA)
- UPA – Women in Non-traditional Areas
- UPA: Indigenous Australians
- International Postgraduate Research Scholarships (IPRS)

CLOSING DATES: All Faculties – 17 October

All HDR Scholarship applications must now be submitted online.

HDR Scholarship applications must be received by no later than the date stated above to be eligible. All applications must include transcripts and supporting documentation. Applicants must also ask 2 referees to provide reports to be considered for a scholarship.

Students who are currently enrolled in a HDR degree must submit a new online application when applying for a HDR scholarship. The application must include transcripts and/or supporting documentation as well as 2 referees’ reports.

ICT Research Institute

Summer Research Scholarships 2010/11

The Summer Research Scholarships aim to reward and provide opportunities for outstanding undergraduate and postgraduate students to get involved in leading edge ICT research projects.

The scholarship is open to both domestic and international students.

The Projects

Human Affect Recognition
Visual & Audio Signal Processing Research Laboratory (VASP)
Supervisors: Dr. Christian Ritz (critz@uow.edu.au) and Dr. Son Lam Phung (phung@uow.edu.au)

Interactive Smoke Simulation
Advanced Multimedia Research Laboratory (AMRL)
Supervisor: Dr. Casey Chow (caseyc@uow.edu.au)

Internet Search Query Analysis For Trend Detection
Intelligent Systems Research Laboratory (ISL)
Supervisors: Dr. Markus Hagenbuchner (markus@uow.edu.au) and Dr. Zhiquan Zhou (zhiquan@uow.edu.au)

Full Project Description can be found at our website http://ictr.uow.edu.au.

The deadline of the application is Friday 22 October 2010, 5:30pm AEST

Smart Services CRC Vacation Research Scholarships 2010/11

The Smart Services CRC has 4 Vacation Programs on offer worth up to $6,000 each. To be accepted as part of the Vacation Program, each student must accelerate development of prototype or project deliverables within the current projects/programs of the SSCRC.

The Scholarships aim to reward and provide opportunities for outstanding undergraduate and postgraduate students to get involved in leading edge research projects.

The scholarship is offered for a 10 week period over the summer semester and provides for a weekly allowance of AUD$600. The scholarship holder is expected to submit a technical report and give a presentation at the end of the period.

The Projects

Immersive Services—Networked Games For The Elderly
Supervisor: Prof. Farzad Safaei (farzad@uow.edu.au)

In-Vehicle Service Delivery—Advanced Multimedia Services For Drivers & Passengers
Supervisor: Dr. Daniel Franklin (danielf@uow.edu.au)

New Media Services—Tools For Extracting Metadata To Describe The User Experience Of Multimedia
Supervisor: Dr. Christian Ritz (critz@uow.edu.au)

Business Services Management — Strategic Service Alignment
Supervisor: Prof. Aditya Ghose (aditya@uow.edu.au)

Further information can be found at http://ictr.uow.edu.au. The deadline of the application is: FRIDAY 8 OCTOBER, 5:30pm AEST

PhD Scholarship in Statistics at the UOW

Applications are invited for a full-time PhD scholarship in the Centre for Statistical and Survey Methodology (CSSM) to undertake research on statistical quantitative genetics, which aims to link phenotypic variation for complex traits to its underlying genetic basis in order to better understand and predict change within agricultural systems.

The scholarship is funded by a university Postgraduate Award and the Grains Research and Development Corporation’s co-investment into capacity building in Biometrics. The successful applicant will work in a vibrant and growing research centre, which comprises 17 academic statisticians, including four professors and over 20 PhD students.

The student involved in the project will develop skills in the development and implementation of innovative statistical methodology, extensive use of simulations, and analysis of real data.

The scholarship includes a tax-free stipend for three years that is currently worth a minimum of $27,500 per year for three years. There may be opportunities for overseas travel to collaborate with researchers in the UK.

This scholarship is open to Australian residents and international applicants. Applicants should have an Honours Class 1 degree in Statistics, or an equivalent qualification, by the end of 2010, strong research potential and be able to commence by the end of February 2011.

Further information can be found at http://www.uow.edu.au/research/rsc/prospective/UOW087873.html

Applications should be made through the university’s website: www.uow.edu.au/future/postgrad/apply/research/index.html
Research Showcase Series 2010

This URC lecture series will provide an opportunity to showcase some of the leading research conducted by the UOW's, and introduce the researchers involved to the general campus and community.

Current Schedule

<table>
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<tr>
<th>Date</th>
<th>Speaker/Details</th>
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<tr>
<td>Wednesday 20th October</td>
<td>Prof. Lesley Head – UOW’s Australian Laureate Fellow</td>
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</table>

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

Sandwiches will also be available for those attending. Audio recordings available on CEDIR site.

For more information visit: http://www.uow.edu.au/research/news/showcase/

Uni in the Brewery 2010

We hope you can come along and enjoy a beer or wine at the Five Island Brewery, while listening to presentations about some interesting UOW research.

All staff, students and the general public are welcome and encouraged to contribute in discussion. A big THANK YOU to Sandra Jones (who spoke on the 25th August) for providing an insight into health messages in the media. If you missed this event visit http://www.uow.edu.au/research/unibrewery/UOW075583.html

The next presentation is:

13th October
5:30pm-6:30pm
Mary Kaidonis and Brian Andrew (Faculty of Commerce)
Will there be any change left after we change for climate change?


2010 SBS Higher Degree Research Student Conference

Thursday 30 September 2010 - Saturday 2 October 2010

Research conducted by higher degree students at the Sydney Business School will be showcased as well as a number of research student workshops and information sessions.

To be held at Wollongong’s new Innovation Campus (IC) Function Centre, the conference welcomes members of the local business community along with the University’s students, staff and alumni to attend. The conference provides an ideal opportunity to network with University research staff and students. http://www.uow.edu.au/content/groups/public/@web/@gsb/documents/doc/uow085383.pdf

Madeleine Cincotta Seminar – Effective Writing Sustaining an Argument

Do you find that your supervisor is sometimes unconvinced by your well-constructed argument? Have you written articles which seemed persuasive to you but have not been accepted for publication? Do colleagues, supervisors or students sometimes appear confused by your explanation?

Don’t be discouraged! This doesn’t mean that you don’t know what you’re doing or that there is anything at all ‘wrong’ with your conclusions. It is hard to understand why someone might not understand when you are showing them the logic of your argument, but did you know that while logic is, of course, the same all over the world, rhetoric, or the way we put that logic into language in order to convince or persuade is highly culture-specific?

This seminar will help you to understand the rhetorical rules of English. It will help you to identify your own rhetorical style and enable you to find ways of adapting it successfully within an English-speaking professional context. Based on student demand, further workshops may be scheduled to enable individual students to submit excerpts of their own work for rhetorical analysis and correction.

This presentation is primarily for overseas born students, but all higher degree research students are welcome to attend.
When: Tuesday, 16 November 2010  Time: 12:30pm - 2:30pm
To register online for this seminar, go to our website http://www.uow.edu.au/research/rsc/news/index.html.

Research Ethics

<table>
<thead>
<tr>
<th>Agenda Deadlines and Meeting Dates 2010 for your diary</th>
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<tbody>
<tr>
<td><strong>Human Research Ethics Committee (HREC) - Health and Medical</strong></td>
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<tr>
<td>Next meeting 19th October (agenda deadline 29th September)</td>
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<tr>
<td>Upcoming meeting 16th November (agenda deadline 27th October)</td>
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<tr>
<td><strong>Human Research Ethics Committee (HREC) - Humanities, Social Science &amp; Behavioural</strong></td>
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<tr>
<td>Next Meeting 14th October (agenda deadline 29th September)</td>
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<tr>
<td>Upcoming meeting 11th November (agenda deadline 27th October)</td>
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<tr>
<td><strong>Animal Ethics Committee</strong></td>
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<td>Next meeting 28th October (agenda deadline 7th October)</td>
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<tr>
<td>Upcoming meeting 2nd December (agenda deadline 11th November)</td>
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<tr>
<td><strong>Gene Technology Review Committee</strong></td>
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<td>Next meeting 25th November (agenda deadline 4th November)</td>
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Konarka Technologies and IPRI announce collaboration in solar cell research

Researchers at the Intelligent Polymer Research Institute (IPRI) Dr Attila Mozer, Dr Tracey Clarke and Professor David Officer have been awarded a new Australian Research Council (ARC) Linkage Grant of $320,000 over three years to work with Konarka Technologies in an effort to increase the efficiency of organic polymer solar cells.

Konarka’s plastic-based photovoltaic cells are efficient across a much broader spectrum of light than traditional solar cells, allowing them to be used effectively indoors and outdoors, and across a wide range of applications.

The aim of this research is to develop a fundamental understanding of how electrical charges are generated under solar irradiation in organic materials, which will be used to increase the efficiency of organic solar cell technology.

According to IPRI/ARC Centre of Excellence for Electromaterials Science Executive Director, Professor Gordon Wallace, “this funding is critical in being able to build on our capabilities in solar cell science”.

“We have invested substantially into developing state-of-the-art characterisation facilities at IPRI, and it is exciting that we are now able to collaborate with Konarka to achieve what will hopefully be continued, significant progress towards efficient polymer solar cell development,” he said.

Director of Device Research at Konarka, Dr Gilles Dennler, said he was “excited to be working with a team of researchers renowned for expertise in solar cell characterisation and spectroscopy”.

Dr Tracey M Clarke was also awarded an Australian Postdoctoral Fellowship (Industry) as part of this project.

To ensure inclusion of your research news, event or service in the next issue of RaID (due for publication early/mid November), please e-mail details to lhawes@uow.edu.au or vwallace@uow.edu.au by 1st November 2010.
END-USER/ TECHNOLOGY SHOWCASE

Thurs, 14 October 2010
10am - 4pm

WHERE: ACES, AIIM Facility, The University of Wollongong, Innovation Campus, Squires Way, Wollongong

Speakers include

- Professor Margaret Sheil, CEO of the Australian Research Council

Current Partners

- Boston Scientific
- SMR Automotive
- CRC Polymers
- Cochlear

Laboratory tour of ACES state-of-the-art facilities

Lunch included

Register your interest or pre-book a lab tour by September 30, 2010 to Phil Smugreski
Fax registration form to +61 2 4298 1499 or email phils@uow.edu.au

The Australian Research Council Centre of Excellence for Electromaterials Science (ACES) currently brings together researchers from six collaborating research organisations in Australia. Their research is leading to an understanding of the value of electromaterials to humanity. Their objective is to establish strategic relationships with industry to ensure these innovations are aligned with and have access to markets.

Creating advanced materials

- materials synthesis
- energy conversion
- energy storage
- bionics

Applications

- Bionic implants such as conduits for spinal cord repair and muscle regeneration
- Solar energy conversion such as solar cells and water splitting
- Energy storage systems such as polymer batteries and artificial muscles

Supported by

Industry and Investment NSW

The Australian National Fabrication Facility (ANFF) is hosted by The Intelligent Polymer Research Institute (IPRI) Materials Node

For more information:

Contact Professor Gordon Wallace Executive Research Director
Phone: +61 2 4221 3127 gwallace@uow.edu.au

www.electromaterials.edu.au