

Issue 3

May/June 2008

# RESEARCH & INNOVATION NEWS

<http://www.uow.edu.au/research/newsletter/>

University of Wollongong



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## RESEARCH AWARDS

Congratulations to the following recipients of the Vice-Chancellor's Excellence in Research Awards for 2008:

### Research Excellence for Senior Researchers Award

#### Co-recipients:

Professor Shi Xue Dou (Institute for Superconducting and Electronic Materials, Engineering Faculty) and Professor Gordon Wallace (Intelligent Polymer Research Institute, Science Faculty)

### Research Excellence for Emerging Researcher Award:

Dr Zenobia Jacobs (Earth and Environmental Sciences, Science Faculty)

With Highly Commended – Dr Adam Dolnik (Centre for Transnational Crime Prevention, Law Faculty)

### Outstanding Achievement in Research Partnership Award:

Professor John Norrish (Engineering Manufacturing, Engineering Faculty) and partners including Thales Australia Ltd and DSTO

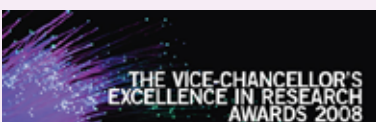
With Highly Commended - Professor David Steel (Centre for Statistical and Survey Methodology, Informatics Faculty) and partner, the Australian Bureau of Statistics.

### Excellence in Research Supervision Award:

Professor Mark Wilson (School of Biological Sciences, Science Faculty)

With Highly Commended - Associate Professor Minjie Zhang, (Informatics Faculty)

This group of awards recognises the outstanding contributions that staff and their partners are making towards research excellence. The awards will be formally recognised at the 2008 Vice-Chancellor's Award Ceremony on Friday 27 June 2008. For more information on these awards and the winners, citations will be available at: <http://www.uow.edu.au/research/awards/>



## RESEARCH SERVICES OFFICE

<http://www.uow.edu.au/research/rso>

## GRANT SUCCESS

Congratulations to Chief Investigators: **Marie Ranson, Phillip Clingan, Tamantha Stutchbury, Craig Patch, John Bremner and Wilf Yeo** for their successful NHMRC Development Grant (2008) "Optimised delivery of chemotherapy for solid tumours". Chemotherapy plays a key role in cancer treatment, however, problems persist with severe adverse toxic effects. Combinations of anti-cancer agents give better results, but these agents still have major negative effects, for example, on veins and peripheral nerves and they must be given separately. We have developed a novel, all-in-one formulation of Oxaliplatin with 5-Fluorouracil and Leucovorin, with the potential for fewer toxic effects and improved patient care. Total awarded: \$197,250

UoW submitted eight Carrick Grant applications during March and April 2008. Congratulations to **Professor Tim McCarthy** who was successful in the Competitive Grant segment, attracting \$150k to investigate pro-active approaches to address student diversity in Engineering. In other news the Carrick Institute has had a change of name and will be known as the Australian Learning and Teaching Council (ALTC). The Council is committed to promoting and advancing Learning & Teaching in the University sector and the timetable for the next round of grants should be announced soon. If you are interested in developing an idea associated with Learning and Teaching or would like to join the ALTC mailing list please contact Janine McFarlane, Grants Officer at the Research Services Office on x5908 or [janinemc@uow.edu.au](mailto:janinemc@uow.edu.au). For more information visit [www.altc.edu.au/carrick/go](http://www.altc.edu.au/carrick/go)

**A/Prof. Andy Davis**, Biological Sciences, and Prof. Bill Maher, University of Canberra have received an Environmental Trust Grant of \$100,000 (2008-2009) for Stress measurements in molluscs: linking exposure and response. Congratulations also to **A/Prof. Kris French**, Biological Sciences, who recently received two grants from the Environmental Trust, one for \$19K and one for \$88K, investigating weed invasion and restoration of communities.

Senator the Hon Kim Carr, Minister for Innovation, Industry, Science and Research, has announced the selection outcomes for Proposals submitted to the **Australian Research Council for Linkage Projects Round 2** for funding commencing in July 2008. The ARC allocated \$63.7M nationally to Linkage Projects Round 2 with a national success rate of 42.7%. The UOW success rate was significantly above the national average at 57.1%, with 8 grants awarded a total of \$2.2M for the next 4 years.

The successful applicants and their Partner Organisations are:

- Research Team: Prof Buddhima Indraratna; Dr Cholachat Rujikiatkamjorn; Mr HG Buys; Mr VC Wijeyakulasuriya; Dr R Kelly; Mr GW McIntosh; Prof S Leroueil; Dr J Chu  
Partner Organisation(s): Roads and Traffic Authority; Queensland Department of Main Roads; Coffey Geotechnics; Douglas Partners Pty Ltd
- Research Team: Prof Sandra Jones; Prof Don Iverson; Dr Peter Caputi; Dr AG Penman; Ms A Tang; Ms KR Coppa; Mrs JA Goldston. Partner Organisation(s): The Cancer Council NSW
- Research Team: Prof Sandra Jones; Prof SJ Allsop; Dr T Chikritzhs; Dr M Wakefield; Prof S- Casswell; Ms F Lander; Ms N La Touche. Partner Organisation(s): Office for Children and Youth
- Research Team: A/Prof Paul Keller; Dr R Griffith; Dr DI Rhodes; Dr JA Coates  
Partner Organisation(s): Avexa
- Research Team: Prof Amanda Lawson; Prof Peter Eklund; Dr Brogan Bunt; Dr L Christidis; Mr V Daniel. Partner Organisation(s): The Australian Museum
- Research Team: Dr Brian Monaghan; Prof AB Yu; Dr P Zulli; Dr SJ Chew; Dr PR Austin  
Partner Organisation(s): BlueScope Steel Limited
- Research Team: Prof Elena Pereloma; Dr Andrzej Calka; Prof Druce Dunne; Dr FJ Barbaro. Partner Organisation(s): BlueScope Steel Limited
- Research Team: Dr James Wallman; Dr Mark Downton; Dr MS Archer; Dr SL Cameron  
Partner Organisation(s): Forensic & Technical, Australian Federal Police; NSW Police (Forensic Services Group); Victoria Police Forensic Science Centre; Victorian Institute of Forensic Medicine; Department of Forensic Medicine, Institute of Clinical Pathology and Medical Research

## GRANTS SUBMITTED

### ARC Linkage International Fellowships

Five applications for Linkage International Fellowships for funding to commence in 2009 were submitted by UOW in May for total funding over 12 months of \$606,592. Three applications were received from the Engineering Faculty and one each from the Science and Informatics Faculties.

### ARC Linkage Projects

Eight applications totalling \$4,050,876 in requested funding were submitted by UOW in May 2008 for the first round of funding to commence in 2009. Three applications each were submitted by the Science and Engineering Faculties and one each from the Informatics and Education Faculties.

### ARC Linkage Infrastructure

This year UOW researchers have been involved in 19 ARC Linkage Infrastructure, Equipment and Facilities grants for funding in 2008. Of those 19 applications, UOW is the lead institution on five, requesting funding of just over \$2 million.

those countries. Proposals in any field of natural science, basic and applied, including mathematics and engineering science, will be considered.

Grants are for a maximum of \$10,500 to cover travel and daily allowances. The duration of the visits must be between 14 days and 40 days. For further information and application forms please see <http://www.science.org.au/internat/programs.htm> or contact Sharon Clarke on ext. 5815 or [clarke@uow.edu.au](mailto:clarke@uow.edu.au) Applications close on 27 June.

### NHMRC Training Awards

The NHMRC Training Award schemes provide funding support to outstanding Australian health and medical researchers at the start of their research career. Training Awards encompass Overseas and Australian-based Postdoctoral Fellowships, and Postgraduate Scholarships. Applications are due to the NHMRC on 4 July for Fellowships and 1 August for Scholarships. For further information go to: <http://www.uow.edu.au/research/rsr/UOW009258.html>

If you have any questions regarding these awards please contact Sharon Clarke on ext: 5815 or [clarke@uow.edu.au](mailto:clarke@uow.edu.au)

### Fulbright Scholarships

2009 applications are now open for Fulbright scholarships for Australian citizens. from all fields to undertake research or study in the United States. The scheme aims to promote mutual understanding through educational and cultural exchange between Australia and the United States. A number of Awards are available, including:

- *Fulbright Postgraduate Scholarships*
- *Fulbright Postdoctoral Scholarship*
- *Fulbright Senior Scholarships*
- *Fulbright Professional Scholarships*

Further information and application forms can be downloaded from the Australian-American Fulbright Commission website:

[http://www.fulbright.com.au/awards/australian\\_applicants/application\\_information.htm](http://www.fulbright.com.au/awards/australian_applicants/application_information.htm) Or contact Elizabeth Phillips on ext. 4522 or [eliza@uow.edu.au](mailto:eliza@uow.edu.au).

Applications close on 31 August, 2008.

### The General Sir John Monash Awards

Applications are invited for the General Sir John Monash Awards for outstanding Australian citizens graduating from Australian universities to enable them to undertake postgraduate study abroad at the world's best universities, appropriate to their field of study. Annually, up to eight awards are awarded for a study programme in any field leading to the award of a PhD or, in exceptional circumstances, a professional Masters Degree. Applications for awards commencing in 2009 close on **31 August, 2008**. Further details, including guidelines and application forms are available at: <http://www.monashawards.org/awards.asp> Or contact Elizabeth Phillips on ext. 4522 or [eliza@uow.edu.au](mailto:eliza@uow.edu.au).

### Academy of the Social Sciences in Australia

Applications are invited from Australian citizens in the social sciences to participate in exchange programs of one or two weeks in China (closing date 31 July, 2008) India (19 September, 2008), the Netherlands (31 July, 2008) and France (7 July, 2008).

The Academy, together with the Australian Academy of the Humanities and the British Academy, also provide funding to support joint research projects between Australian and British scholars. One or two awards for a project which covers both

## Upcoming Funding Opportunities

Due Date	Activity
27 June 2008	URC Research Partnerships Scheme
27 June 2008	Australian Academy of Science Travel Grants
30 June 2008	UIC International Links Grants
4 July 2008	NHMRC Training Awards (Postdoctoral Fellowships)
28 July 2008	URC Small Grants
31 July 2008	Academy of the Social Sciences in Australia
1 August 2008	NHMRC Training Awards (Scholarships)
31 August 2008	Fulbright Scholarships
31 August 2008	General Sir John Monash Awards

## EXTERNAL GRANT SCHEMES

### Australian Academy of Science



AAS invites applications from professional scientists, including early career researchers, to visit Europe, North America (USA, Canada and Mexico) and North East Asia (China, Japan, Korea and Taiwan) to collaborate with researchers in

humanities and social sciences disciplines will be available each year to cover travel and maintenance expenses (closing date 26 September, 2008). Application details and further information are available on the Academy's website:

<http://www.assa.edu.au/international/exchange.htm>

or contact Elizabeth Phillips on Ext. 4522 or by email at [eliza@uow.edu.au](mailto:eliza@uow.edu.au)

## INTERNAL GRANT SCHEMES

### URC Small Grants Scheme

Guidelines and application forms for 2009 URC Small Grants will be available from the RSO website on 19 June, 2008. URC Small Grants aim to support excellent researchers in the development of strategic research projects that will increase their potential for gaining external funding; and to encourage early career researchers to develop their research profiles by undertaking research projects of modest cost. The closing date for applications is 28 July, 2008.

For application forms and further details please refer to the RSO intranet <https://intranet.uow.edu.au/raid/rso/internalfunding/index.html> or contact Claire Carter on ext. 4349 or by email at [ccarter@uow.edu.au](mailto:ccarter@uow.edu.au)

### UIC International Links Grants scheme

The primary objective of the UIC International Links Grants scheme is to support, on a competitive basis, high quality research and/or teaching proposals that will significantly enhance links with an overseas institution. Successful proposals will build the University's international profile and reputation by working with collaborators in high quality research institutions on projects that will produce publishable outputs in research and/or learning-and-teaching, facilitate a broadening of the links between the institutions, and lead to further funding from external sources. Deadline: Monday 30<sup>th</sup> June. More at: <https://intranet.uow.edu.au/raid/rso/uic-international/UOW021758.html>

### URC Research Partnerships Grant Scheme

The University Research Committee Research Partnerships Grant Scheme offers support in the form of *Project Grants* for the establishment of cooperative projects in either new or existing research directions with current or new partner organizations. Funding under this scheme is awarded for a period of 1 year and grants typically range from \$5,000 to \$20,000. In 2008 there are two funding rounds, in **June** and **October**. For guidelines, application forms and further details please refer to: <https://intranet.uow.edu.au/raid/rso/urc-research-partnership/UOW021755.html> or contact Elizabeth Phillips on Ext. 4522 or by email at [eliza@uow.edu.au](mailto:eliza@uow.edu.au)

### Need Assistance with your Grant Application?

#### - Statistical Advice available

**The Statistical Consulting Service (SCS)** in the School of Mathematics and Applied Statistics provides UOW researchers with statistical advice. They can advise on planning surveys and experiments, statistical analysis, presentation of results and preparation of grant applications. For more information, or to arrange a meeting, see <http://www.uow.edu.au/informatics/mathscs/index.html> or email [statcon@uow.edu.au](mailto:statcon@uow.edu.au).

# RESEARCH ETHICS

## Ethics Committee Changes

A/Professor Steven Roodenrys from the School of Psychology has accepted the position of Chair of the Humanities, Social Science and Behavioural HREC, and will be joining the HREC in July. A/Prof Garry Hoban completed a three year term as Chair in May, and is now intending to concentrate on his research. Garry was the inaugural Chair of this HREC, and his hard work and dedication over the years have been greatly appreciated. Dr Nadia Crittenden has kindly agreed to fill the role of Chair in the interim.

Thanks are also extended to Dr Nancy Humpel, who left the University in March. Nancy was an HREC member for three years, including close to two years as a member of the Humanities, Social Science and Behavioural HREC Executive Committee.

The Ethics Unit would also like to formally welcome Dr Andrew Kelly from the Faculty of Law and Dr Harold Hill from the School of Psychology to the Humanities, Social Science and Behavioural HREC.

## Ethics Workshop

### The Ethics process and research in indigenous communities : 1 August 2008

The Ethics Unit will be hosting a workshop on research and ethics in indigenous communities on the 1st of August. The workshop is designed to provide a forum for a discussion on appropriate processes for research in indigenous communities. Researchers, community members, and people working in research ethics are all welcome. The discussion will inform the development of a set of guidelines for researchers to help them negotiate the ethics process at the University of Wollongong. If you would like more information please contact Eve Steinke on 4221 4457 or [eves@uow.edu.au](mailto:eves@uow.edu.au)

## Feedback Welcome

A Frequently Asked Question (FAQs) section will be available on the HREC web page (<http://www.uow.edu.au/research/rso/ethics/human/index.html>).

If you have any questions which you think would be helpful to include please send them to Eve Steinke ([eves@uow.edu.au](mailto:eves@uow.edu.au))

## ETHICS Agenda Deadlines and Meeting Dates for your diary

### Human Research Ethics Committee (HREC) - Health and Medical

Upcoming meeting on June 10th (agenda deadline May 26th)

Next meeting July 8th (agenda deadline June 23<sup>rd</sup>)

Future meeting August 12<sup>th</sup> (agenda deadline July 28<sup>th</sup>)

### Human Research Ethics Committee (HREC) - Humanities, Social Science & Behavioural

Upcoming meeting on June 19th (agenda deadline June 4<sup>th</sup>).

Next meeting July 24th (agenda deadline July 9th)

Future meeting August 28<sup>th</sup> (agenda deadline August 13<sup>th</sup>)

### Animal Ethics Committee

Upcoming meeting June 26th (agenda deadline June 5<sup>th</sup>)

Next meeting August 7th (agenda deadline July 17th)

### Gene Technology Review Committee

Upcoming meeting June 5<sup>th</sup> (agenda deadline May 22<sup>nd</sup>)

Next meeting September 4<sup>th</sup> (agenda deadline August 21<sup>st</sup>)

More information at: [www.uow.edu.au/research/rso/ethics/](http://www.uow.edu.au/research/rso/ethics/)

## 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 6th August

**Professor Farzad Safaei:** TITR

Wednesday 10<sup>th</sup> September

**Professor Shixue Dou:** ISEM

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

Sandwiches will also be available for those attending.

<http://www.uow.edu.au/research/news/strengthseries/>

## 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.

**20th August  
5:30pm-6:30pm**

**Dr Adam Dolnik** (Centre for Transnational Crime Prevention)

"What Do We Know about Why People Become Terrorists?"

**22nd October  
5:30pm-6:30pm**

**Associate Professor Sharon Robinson** (School of Biological Sciences)

"Climate Change makes life tougher for Antarctic plants"

More at: <http://www.uow.edu.au/research/unibrewery/index.html>

## RESEARCH STUDENT CENTRE

<http://www.uow.edu.au/research/rsc/>

### New Staff

**Christine Mason** has taken up a 9 month secondment with RSC. Chris will be working with on new scholarship procedures, new HDR application processes, the NEW HDR IT system in SMP, policy reviews and updates and other various projects as they arise. Christine brings many years experience in scholarships, student and policy matters having worked at the uni for many years. Chris can be contacted on 42215672 or by e-mail:

[cmason@uow.edu.au](mailto:cmason@uow.edu.au)



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

The Spring Session HDR Student Orientation and Enrolment Day for HDR students will be held on Wednesday 23 July 2008. If you are a new HDR student and did not attend the Autumn orientation please ensure you attend the Spring session one. If you have any questions about the orientation or your enrolment please contact Mari Dwarde, HDR Events Officer in the Research Student Centre on (02) 4221 5454, [mdwarte@uow.edu.au](mailto:mdwarte@uow.edu.au)

### Life After Honours - The Next Big Discovery

(Lunch Session – Monday, 23 June 2008)

Are you currently undertaking an Honours degree? Are you curious about where to go from here? Could a research degree be the next step for you? The 2008 Life After Honours

Lunch will give you the opportunity to:

- find out about the ground breaking research you can be involved in within your faculty
- get faculty specific information
- hear from current higher degree research students about their experiences while undertaking a higher degree research degree.

For more details please contact Mari Dwarde, HDR Events Officer in the Research Student Centre on (02) 4221 5454, or email [mdwarte@uow.edu.au](mailto:mdwarte@uow.edu.au)

### HDR Students Spring Enrolments/Variations

For Spring Enrolments please ensure that all of your enrolment details are correct, for example - full time/part time or correct coursework subjects. Thesis subjects are only THES 924 (full time) or THES 912 (part time). Ongoing HDR students are also asked to check their Spring enrolments. Any variations to enrolments, including leaves of absence are asked to be sent to the Research Student Centre as soon as possible. No enrolment changes or variations can be made after the census date of 31st August 2008. Any changes to enrolment subjects or leave requests require the support of the Principal Supervisor or Head of Postgraduate Studies.

When applying for enrolment variations, leave of absence, status letters etc., please note that student request forms are now available through SOLS (Student On Line System) menu under 'Student Forms'. Any enquiries or requests can also be made directly to the Research Student Centre, June Tossis (HDR Enrolment Officer) Building 20, Ground Floor on 42215453 or [junet@uow.edu.au](mailto:junet@uow.edu.au)

## PODS – RESEARCH RELATED COURSES

<https://intranet.uow.edu.au/pods/>

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:

- **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](mailto:klovasz@uow.edu.au)

### "Launching your Academic Career" (Sept. 4<sup>th</sup> and 5<sup>th</sup>):

This two-day workshop is designed for early career academics and final year PhD students. Sessions include: 'Establishing Effective Partnerships', 'Establishing a Research Portfolio', 'Managing Teaching Effectively' and 'Mentoring'.

Expressions of Interest Forms and a Pre Course Survey will be available soon. Please contact: Vicky Wallace (x4126 or [vwallace@uow.edu.au](mailto:vwallace@uow.edu.au)) for further information.



**NEW STAFF**

Henry Valk has started as the new MIC (Manager, Innovation and Commercialisation) for Informatics, Education and Creative Arts. Henry has been involved in ICT related product design and development with various commercial R&D organisations in Australia since Graduating as an Electronics Engineer in 1990. Henry then went on to become founder and CEO of a start up company in 2001 focussed on Fixed Mobile Convergence Solutions targeted at a global market.

**TRAILBLAZER 2008**



All UOW researchers and students are invited to enter UOW's fourth annual Trailblazer innovation competition for a change to win a share in \$14,000 prize money.

**SUBMIT YOUR ENTREPRENEURIAL IDEA OR EARLY STAGE RESEARCH TO TRAILBLAZER NOW.**

Open* Winners	Student Winners	Highly Commended
First Place: \$5000	First Place: \$2000	Open (x 2): \$1000
Runner Up: \$3000	Runner Up: \$1000	Student (x2): \$500

\*All entries are judged for the open section prizes.

**Entries Close: 25<sup>th</sup> June | Winners Announced: 9<sup>th</sup> July**

**Awards Night 31<sup>st</sup> July**

The competition rewards original and innovative early-stage research which has the potential to benefit the community, industry or business as well as generate a financial return. The purpose of the competition is to stimulate and motivate innovative and entrepreneurial activity. Entries are encouraged from all UOW research disciplines, whether they relate to businesses, products, services or technologies. UOW is working with a number of previous winners to move their ideas into successful commercial ventures. Please contact your relevant MIC's for further information.

More at: <http://www.uow.edu.au/research/trailblazer/index.html>

**LEGAL SERVICES UNIT (LSU)**

**New Staff**

LSU is pleased to announce the start of new commercial lawyer, **Kristine Sheridan** who has previously worked in the Informatics Faculty and Policy & Governance Unit. Kristine has experience working for the government in property law, and is a proud graduate of UOW's law faculty. She will be working from Mondays to Thursdays and can be reached on 4221 3131.



**LIBRARY NEWS**

[www.library.uow.edu.au](http://www.library.uow.edu.au)

**Faculty of Education launches online book**

The Faculty of Education recently launched their first electronic book to be published utilising the University's Research Online platform.

*Learning and the Learner: Exploring Learning for New Times* is an exploration of questions about the nature and character of learning in contemporary times. Peter Kell, Wilma Vialle, Gillian Vogl and Deslea Konza edited the fourteen chapters in this book which critically engage current questions about learning and the learner. The contributors individually argue that traditional notions of learning are inadequate for the complexity and multidimensional qualities of life today and the challenges of globalisation.

Held in the Library, the launch celebrated the availability of the book and the collaboration between faculty and Library staff in achieving this end. The book can be read at: <http://ro.uow.edu.au/learning/>



(From left) Helen Mandl, Peter Kell, Wilma Vialle, Michael Organ and Gillian Vogl at the launch.

**Missing out on Patent literature?**

Did you know:

- patents have increased 10 fold in the last 20 years
- the literature is often not reported in any other format
- patents offer the earliest source of information
- patents display trends in technology and the key players
- a patent document can cite journal articles and other patents

Searching patents can be difficult due to the sheer nature of the legality of the document and because inventors/assignees do not want competitors to find valuable information on products. Consequently, just doing a Google, Google Patent or a free text search in a dedicated patent database **does not** yield the full potential of results.

Classification searching is a key strategy to exploiting the full range of patents in your area. For example, the patent title: *Nozzle for industrial machining*. Would you have guessed that this is a welding invention? This patent may have been missed if only searching on the term *welding*.

Discover the world of patents by finding more information, hidden information, and making connections with the commercial world.

For more information on patent searching view the link below:

Library homepage > Researchers > Intellectual property > Patents

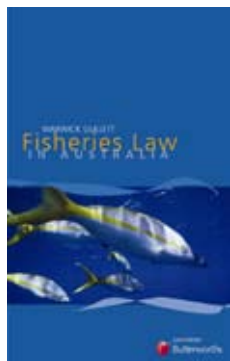
To organise a class or individual appointment, contact Lucia Tome, Research Training Librarian Email: [ltome@uow.edu.au](mailto:ltome@uow.edu.au) Phone: 4221 3066

Esteemed local poet and lecturer with the Faculty of Creative Arts, **Alan Wearne** launched his new collection of poems in April. “*The Australian Popular Songbook*” recently released by Giramondo Publishing, was launched in Freemantle, Melbourne, Wollongong and Sydney respectively and will feature at a promotional reading in Canberra.



From the publisher: “Alan Wearne's new collection is made up of three parts, 'The Australian Popular Songbook', a suite of poems inspired by popular songs from the 1880s through to the 1980s; 'The Metropolitan Poems', a group of stories in verse inspired by suburbs of great moment, like Hurstville, Ascot Vale and Chatswood; and the poetic monologue 'Breakfast with Darky', in which a Melbourne high-school teacher looks back twenty years to a time when he was both an up-and-coming Social Realist writer and a Communist Party activist. Ever the master of the Australian vernacular, Wearne proves himself here in the shorter forms of song and story.”

[http://www.giramondopublishing.com/imprint\\_titles/index.html#wearne](http://www.giramondopublishing.com/imprint_titles/index.html#wearne)



**Dr Warwick Gullett**, a Senior Lecturer in the Faculty of Law and member of the Australian National Centre for Ocean Resources and Security (ANCORS) at UOW, has published the first comprehensive analysis of Australian fisheries law.

“*Fisheries Law in Australia*” provides a clear account of the key areas of law that shape the present highly complex regulatory environment in which commercial, recreational, indigenous and ornamental fishing takes place. These include the complicated jurisdictional arrangements that have evolved for the management of marine areas, the regulatory mechanisms used to manage fishing activities, enforcement experience, the enduring impact of the common law, legal recognition of indigenous fishing rights and the impact of international law on the development of measures to protect Australian fisheries from illegal foreign fishers. Gullett, W. 2008. Fisheries law in Australia, 1st ed, LexisNexis Butterworths, xlvii, 335pp, ISBN 9780409320916.

A paper by researchers from the **CMCP (Centre for Medicinal Chemistry and Pharmacology)** and **CMB (Centre for Medical Bioscience)** has been published in the journal *Dalton Transactions* (one of the top two journals publishing work in all areas of inorganic chemistry). Title: “A comparison of the binding of metal complexes to duplex and quadruplex DNA” (2008, 1018 - 1026, DOI: 10.1039/b715458e)



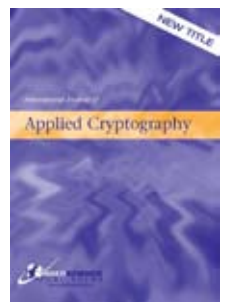
**Authors: Jihan Talib, Charlotte Green, Kimberley J. Davis, Thitima Urathamakul, Jennifer L. Beck, Janice R. Aldrich-Wright and Stephen F. Ralph.** The paper describes the first time mass

spectrometry has been used to examine the binding of metals to quadruplex DNA. Quadruplex DNA occurs in regions of chromosomes known as telomeres, and is attracting more and more attention as a target for anticancer drugs. The cover photograph for this particular issue was provided from one of CEDIR’s graphic artists.

Another article from these researchers was published last year and was also featured on the front cover. The article on that occasion was based on work carried out in conjunction with workers at the ANU.

Researchers from the UOW have published the first-ever scientific article in a new journal. *PMC Physics B* is “an international, peer-reviewed, open access journal that publishes articles on condensed matter, atomic, molecular and optical physics ...” The work is on the controversial topic of electroresistance. The work was performed by **Jonathon Knott**, an engineering thesis student and summer student; **Daniel Pond**, a research assistant and former summer student; and **Roger Lewis**, Professor of Physics. The team investigated electroresistance in the electronic oxide material lanthanum-calcium manganite. “We have many graphically-intensive results to report, for which *PMC Physics B* is an ideal publishing platform,” said Dr. Lewis, “and it is an added bonus to have been chosen as the first scientific report to appear in the journal.” The article may be freely downloaded from [www.physmathcentral.com](http://www.physmathcentral.com).

**A/Professor Yi Mu**, co-director of the Centre for Computer and Information Security Research, announced the publication of the inaugural issue of *International Journal of Applied Cryptography* (IJACT). IJACT is a new journal addressing security issues and providing security solutions to the Internet and computer systems. It consists of a strong editorial board with A/Professor Yi Mu and Professor David Pointchavel (ENS-DI, France) as editors-in-chief along with 20 internationally reputable researchers as board members. IJACT aims to introduce new ground between cryptographic theory and applications. The objectives of IJACT are to establish an international forum, promote applicable research in cryptography, serve as a bridge between cryptographers and security engineers, and provide a vehicle to help academics, researchers, and engineers, working in the fields of cryptography and information security.



**Dr Andrew Sense** (School of Management and Marketing, Faculty of Commerce) has published a new research book through Palgrave Macmillan: *Cultivating Learning within Projects* (ISBN 978-0230-00691-1, November 2007). This research offers an entirely fresh perspective on how to cultivate learning within a project environment. “It provides a framework to facilitate project practitioners’ systematic reflection on their learning activities,” Sense commented. It challenges all readers to consider intra-project learning as primarily a social activity that requires their deliberate commitment, understanding and attention.”

*Port Privatisation: The Asia-Pacific Experience* (ISBN 978-1-84542-399-5, Edward Elgar Publishing 2008), co-edited by **Dr James Reveley** from the School of Management and Marketing and Associate Professor Malcolm Tull from the Murdoch Business School and Asia Research Centre at Murdoch University, is the first to take a regional perspective on port reform and port privatisation. It is aimed at academics and policymakers who are interested in port reform, together with those interested in privatisation more generally in the Asia-Pacific region.

School of Accounting and Finance **Professor Michael Gaffikin's** new book, *Accounting Theory: Research, Regulation and Accounting Practice* (Pearson, ISBN 978-1-74103-070-9, 2008) adopts a very different approach to work on accounting theory that preceded it, yet covers most of the theoretical issues in the discipline, arguing that there is a need for greater contributions from social and political areas in addition to the contributions by conservative economic theory.



A major study led by **Dr Nadia Solowij (pictured)** from the School of Psychology and Illawarra Institute of Mental Health and Dr Murat Yücel from ORYGEN Research Centre & the Melbourne Neuropsychiatry Centre, Department of Psychiatry at the University of Melbourne will be published (3<sup>rd</sup> June) in the

prestigious *Archives of General Psychiatry* (65 (6), 1-8). Titled "Regional brain abnormalities associated with long-term heavy cannabis use", the paper reports for the first

time two brain regions involved in memory and emotion, the hippocampus and the amygdala, to be significantly reduced in cannabis users compared to healthy nonusers. Reduction in the size of one of these regions was dose-related: the greater the extent of prolonged exposure to cannabis, the smaller the hippocampus. These findings resulted from portions of the work of PhD student **Colleen Respondek** through the School of Psychology (now a lecturer in the Faculty of Education), and a collaboration with researchers at the Melbourne Neuropsychiatry Centre and ORYGEN Research Centre.

**Thomson, E. & White, P.R.R.** (eds) (2008), *Communicating Conflict Multilingual Case Studies of the News Media*, Continuum, ISBN 978-0-8264-9782-6

This Edited book by Elizabeth Thomson from the Faculty of Arts, Modern Languages (with Peter White from University Adelaide) includes chapters from a number of Faculty staff as well as HDR Students. *Communicating Conflict* brings together a collection of multilingual case studies drawn from the international media. This book is a timely examination of the reporting of conflict around the world.

**Hegemony: Studies in Consensus and Coercion. New York: Routledge. 2008 Edited by Richard Howson & Kylie Smith**

The Faculty of Arts is pleased to announce this new publication from Routledge which contains contributions from a number of Faculty staff and HDR students including: Richard Howson, Kylie Smith, Andrew Wells, Alastair Davidson, Charles Hawksley, Susan Engel, Ruchira Ganguly-Scrase and Timothy J. Scrase and Yoko Harada.

## FACULTY NEWS, AWARDS AND ACHIEVEMENTS

### F. M. Becket Summer Fellowship

**Sau Yen Chew (Sophie)**, a PhD candidate working on the lithium-ion battery project with ARC Centre for Electromaterials Science (ACES)/ Institute for Superconducting and Electronic Materials (ISEM) supervised by Prof. HK Liu and Dr. Jiazhao Wang has been awarded the prestigious ECS summer fellowship for 2008, specifically the F. M. Becket Summer Fellowship, during her visit at the Battery Group Electrochemistry Laboratory, Paul Scherrer Institute (PSI), Switzerland.

The applicant pool was highly competitive. Sophie is one of the five award winners from all over the world to be selected by the ECS Selection Committee. This award consists of a cheque for US\$5000, funded by The Electrochemical Consolidated Fellowship Fund with the aim to assist students during the summer months (June-September) in the pursuit of work in a field of interest to The Electrochemical Society.

Sophie is currently appointed as a visiting scientist at PSI to focus on thin film electrodes fabrication and characterization for the lithium-ion batteries. Pictured: Sophie, inside the Swiss Light Source (SLS), at the Paul Scherrer Institut (PSI).



The announcement of the invention of a new class of materials is expected to pave the way for a range of new technological advances such as fast and slim laptops to powerful internet search engines. Details of the new class of materials invented by UOW researcher, **A/Professor Xiaolin Wang**, was published in the highly-respected physics journal, *Physical Review Letters*.



A/Professor Xiaolin Wang is a Queen Elizabeth II Fellow and the Co-ordinator of Spintronic and Electronic Materials at the Institute for Superconducting and Electronic Materials (ISEM) in UOW's Faculty of Engineering. Professor Wang acknowledged his project was assisted by funding support from the Australian Research Council (ARC) Discovery Grants and through its QE II Fellowship Program. According to Professor Wang, the discovery could open the door to a wealth of new scientific and technological possibilities. ISEM Director, Professor Shixue Dou, said the Institute started the spintronic research in 1998 and many of its research papers have attracted significant citations.

### Senior ABS Research Managers meet with CSSM

The Australian Bureau of Statistics (ABS) is one of the most important industry partners for the Centre for Statistical and

Survey Methodology (CSSM). In particular, since 2004-05, the ABS and CSSM have carried out joint research within the framework of a Collaboration Agreement, which, among other things, funds a Professorial Fellow within CSSM (the first funded Chair at UoW). As part of this research partnership, the ABS and CSSM carry out an annual research planning exercise, where senior research managers from the ABS meet with members of CSSM at Wollongong to set an agreed joint research agenda for the coming financial year. The 2008 meeting took place at UoW on the 14<sup>th</sup> and 15<sup>th</sup> of May, with the ABS represented by Frank Yu, Jill Charker, Greg Griffiths and Bill Gross, and the CSSM by David Steel, Ray Chambers and Robert Clark. The discussions this year were very much focussed on how research carried out at CSSM could contribute towards the ABS strategic objectives in the medium term, and in particular, how this research gave the ABS the capacity to enhance and promote the emerging National Statistical Service (NSS) via joint CSSM/ABS 'iconic' projects that contributed to all four dimensions (projects, infrastructure, values and capability) of the NSS. A number of such projects were discussed over the two day meeting, with an agreement at the close to focus on relevant areas where current CSSM research is expected to have a major impact.

## LATEST NEWS FROM CAPSTRANS:

- Fellowship Award**  
**Associate Professor Lenore Lyons**, Director of CAPSTRANS at the UoW was recently awarded a Research Fellowship under the Australia-Netherlands Exchange Scheme (Academy of Social Sciences in Australia and The Royal Netherlands Academy of Arts and Sciences (KNAW)) to spend time at the International Institute for Asian Studies (IIAS) in Amsterdam and Leiden.
- Grant Successes**  
**Lenore Lyons, Michele Ford** (University of Sydney), Willem van Schendel (University of Amsterdam) and Riwanto Tirtosudarmo (LIPI, Indonesia) received funding from the Australia-Netherlands Research Collaboration Scheme to hold a workshop titled "Labour Migration and Trafficking: Policy Making at the Border" (\$41,504).
- Paul Sharrad** (CAPSTRANS) and Stewart Firth (ANU) received funding from the Asia-Pacific Futures Research Network (APFRN) to hold a workshop titled "Writing the Pacific: Postgraduate Workshop" (\$9,000).
- Brian Yecies** (CAPSTRANS) received a 2008-2009 Korea Foundation (KF) Advanced Research Grant for a project titled "Korean Cinema Outside Looking In: Understanding the New "Golden" Age of Post-Burden Cinema" (US\$20,353). Brian will spend 3 months of field research in the US, China and Korea as part of his grant.

**Dr Niklas E. Johansson**, from Karlstad University Sweden, was hosted as the first Post-Doctoral Fellow within the Commerce Faculty for a six-month period from 22nd October 2007 until 30th April 2008. Dr Johansson is an expert in self-service recovery defined as those activities that a customer and a serv-

ice provider undertake, with the aid of technology, in order to recover from a service failure in a marketplace. During his stay he worked with **Associate Professor Rodney Clarke**, Director of the Centre for Applied Systems Research, on a range of research initiatives jointly negotiated between representatives of UOW and Karlstad University.

**A/Prof Gursel Alici** (Engineering) has been appointed to the prestigious position of Technical Editor for the *IEEE/ASME Transactions on Mechatronics* journal. His appointment is evidence of being internationally respected and making significant contributions to the field of mechatronics.



Gursel said "I am pleased to be appointed as a technical editor of this prestigious mechatronics journal, which is accepted as the best peer-reviewed international journal in the field. I will be managing and evaluating the review of papers submitted to the journal in my areas of expertise. It will greatly benefit the university's international image and research activities in the broad area of mechatronics."

Faculty of Commerce Associate Dean, Research, **Professor Sara Dolnicar's** article "Assessing Analytical Robustness in Cross-cultural Comparisons", published in *International Journal of Culture, Tourism and Hospitality Research*, was chosen as a Highly Commended Award Winner at the Literati Network Awards for Excellence 2008. Every year Emerald invites each journal's Editorial Team to nominate what they believe has been that title's Outstanding Paper and up to three Highly Commended Papers from the previous 12 months.

Information Security Practice and Experience Conference (ISPEC) is an annual conference that brings together researchers and practitioners to provide a confluence of new information security technologies, their applications and their integration with IT systems in various vertical sectors. In 2008, the conference was held in Sydney's Darling Harbour with participants from UK, US, Singapore, Germany, Belgium, France, Korea, China, Switzerland, Japan, India, Spain, The Netherlands and Norway. The conference general chair was **Associate Professor Willy Susilo** from the School of Computer Science and Software Engineering, Faculty of Informatics. *More at:* <http://www.uow.edu.au/conferences/ISPEC%202008/>

**Will Tibben**, Lecturer in the School of Information Systems and Technology, used the occasional address at the Consumer Telecommunications Network (CTN) Conference on 30 April to present aspects of his PhD research. CTN is a national coalition of consumer and community organisations that represent community interests in the national policy arena on telecommunications issues. Held at the Mechanics Institute, Sydney, the theme of this year's conference was "Healthy Communities through Better Communications". The conference was attended by representatives from telecommunication companies, Federal and State Government departments

as well as advocacy groups for seniors, youth and people with disabilities. More at: <http://www.ctn.org.au>.

**Dr Wendy Russell** (Biological Sciences, Science Faculty, UoW) and Prof Frank Vanclay (University of Tasmania) recently hosted a policy forum at Old Parliament House in Canberra discussing: Ensuring positive outcomes from technological developments: Does Australia need Technology Assessment?. The forum is associated with their ARC-funded project, entitled TASC (Technology Assessment in Social Context), in which they are developing a framework for Technology Assessment for Australia.

Biological Sciences PhD student **Leigh Nelson** has been awarded a \$1000 travel bursary from ABRS (Australian Biological Resources Survey – Department of the Environment, Water, Heritage and the Arts) to attend the International Congress of Entomology in South Africa in July, while **Angelique Riepsamen**, (also a PhD student) received a \$550 travel grant from ABRS to attend the 5th International Congress of Entomology, in Brisbane. **Nicole Grant**, PhD student in Biological Sciences, has been awarded a travel scholarship to the American Society of Plant Biologists meeting in Mexico to the value of \$500US. While **Gareth Davies**, (PhD student in Earth and Environmental Sciences) was awarded the prize for Best Postgraduate Paper at the Australian and New Zealand Geomorphology Group meeting in Queenstown, Tasmania, recently.

Faculty of Art's School of History and Politics HDR Students **Georgia Lysaght** and **Susan Engel** have received a scholarship from the World Bank to participate in a Doctoral Workshop on Development & International Organizations at Cape Town

in June 2008. The workshop will be followed by the Annual Bank Conference on Development Economics (ABCDE) that follows the workshop. The World Bank received a large number of applications from across the world this year demonstrating the students "impressive academic quality".

The "**Mathematics Applied to Liquid Crystal Technologies**" workshop held at the UOW (on the 8th to the 10th May, 2008) brought together prominent world leading researchers in the field of liquid technologies. Some of these top researchers were Prof Assanto (University of Rome III, Italy), Prof Kivshar (Research School of Physical Sciences and Engineering, ANU) and Dr Smyth (Reader, School of Mathematics and Statistics, University of Edinburgh, Scotland). Via video conferencing through the School's Access Grid Room, renown applied mathematician Prof Minzoni (Department of Mathematics and Mechanics University of Mexico) spoke about liquid crystal technologies.

### Colonial Commons Conference

The Faculty of Arts co-hosted the "Colonial Commons: land /law/living/labour" conference at the University of British Columbia (Canada) 29-30 May 2008. Dr Ben Maddison from the Faculty's School of History and Politics was a convenor along with Dr Colin M. Coates Glendon College New York and Dr Doug Harris Faculty of Law University of British Columbia. Conference theme: While the study of commons in Britain and continental Europe is well advanced, and with some notable Indian and North American exceptions, few historians have investigated shared property rights in colonial regimes. More at: <http://www.uow.edu.au/arts/colonialcommons/>

## SCHOLARSHIPS

<http://www.uow.edu.au/research/rsc/student/scholarships/>

The **PYROmetallurgical Group** (see picture below) of the BlueScope Steel Metallurgical Centre has just secured a 3 year PhD scholarship with BlueScope steel. BlueScope Steel have agreed \$190,000 cash to fund a PhD stipend, student fees and associated scholarship project costs. The scholarship is open to both local and international students. The scholarship is associated with a steelmaking project focused on understanding the effects of liquid steel processing on inclusion composition and morphology. Given the level of funding the scholarship is highly competitive and should attract a high quality graduate.

For more details contact Dr Brian Monaghan at [monaghan@uow.edu.au](mailto:monaghan@uow.edu.au).



*Standing (left to right): Paul Zulli, Bob Nightingale, Ramon Serje, Brad Wenzel, John Matthews and Jim Matthews all from BlueScope Steel. Sitting: Assoc. Prof. Sharon Nightingale and Dr Brian Monaghan of University of Wollongong.*

**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 women postgraduate students in any Australian university who have completed at least one year of postgraduate study and to women holding a postdoctoral fellowship.

More at: <http://www.afuw.org.au>

### ARC PhD scholarships in ontology-based reuse

Two PhD scholarships funded by an Australian Research Council Discovery Grant, are available at the UOW's Decision Systems Lab Research Centre, 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 Prof. 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).

The **Inaugural McCredie Musicological Award** will be granted to a postgraduate scholar of musicology in 2008. The Award will be made on the basis of outstanding research towards a higher Research Degree student (Masters or Doctoral) in an Australian University (under the age of 40 years as at 31 July, 2008). Nominations close on 31 July, 2008. More at: [www.humanities.org.au/McCredie](http://www.humanities.org.au/McCredie)

#### **Australian Scholarship funded study opportunities**

- **Endeavour Awards Program 2009**

The Endeavour Program offers a range of opportunities for international research fellowships, sponsored study and professional development, particularly where the application demonstrates strategic institutional links. The Endeavour Program is keen to attract more Australian applicants, as they did not fill their Australian quota for 2008. Applications for 2009 round close 31st July 2008. More information is available at: <http://www.australianscholarships.gov.au/>

- **Australian Development Scholarships (ADS)**  
ADS Awardees from participating developing countries study in Australia at TAFE, undergraduate or postgraduate level in relevant bilateral development aid agreements. Closing dates vary. Further information [www.ausaid.gov.au](http://www.ausaid.gov.au)
- **Australian Leadership Awards (ALA)**  
ALA Scholarships sponsor Master and PhD study in Australia for international students. ALA Fellowships are for short-term study, research and professional attachment programs in Australia. Further information [www.ausaid.gov.au](http://www.ausaid.gov.au) Applications for 2009 ALA Scholarship round close 30 June 2008.

**There are many other Scholarship Opportunities. Please view: <http://www.uow.edu.au/research/rsc/student/scholarships/index.html>**

## CONFERENCES AND WORKSHOPS

#### **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 Symposium will be hosted by the ARC Centre of Excellence for Electromaterials Science, located at the UOW. 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 at: [www.electromaterials.edu.au](http://www.electromaterials.edu.au) or register your interest by sending an email to [aces\\_symposia@uow.edu.au](mailto:aces_symposia@uow.edu.au). Symposium Registration costs will apply but the public lecture by Graeme Clarke (see above) is free.

**Reminder: A free public lecture as part of the Asia-Pacific Symposium on Nanobionics 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 required. Please call 4221 3127 f or entry ticket.**

#### **ASAL Conference - 29 June - 2nd July 2008**

The 30th anniversary conference of the **Association for the Study of Australian Literature - ASAL** - will be held at UoW function centre on the 29 June - 2nd July 2008. The Conference sponsors include the Faculty of Arts' Literature, Identity and Culture (LIC) Research Priority Area, ASAL, the Asian

Australian Studies Research Network (AASRN) and the Cultural Fund of Copyright Agency Limited (CAL). The conference will also include an HDR Workshop.

This year's theme is "Australian Literature in a Global World"

Keynote speakers include Prof Graham Huggan (UK), Professor Ken Gelder (University of Melbourne), Professor Nicholas Jose (US and Australia), Dr Nicholas Birns (US), Dr. Chidambaram Thathachari Indra (India) Dr Lars Jensen (Denmark) and Professor Lydia Wevers (NZ), as well as a number of International and National Academics and Writers. *More at:* [http://www.uow.edu.au/conferences/asal\\_2008/index.html](http://www.uow.edu.au/conferences/asal_2008/index.html)

Image: by artist Bronwyn Bancroft "One Family One Earth"



#### **Call for papers- third workshop on the social implications of national security Australia and the New Technologies: Evidence Based Policy in Public Administration**

This workshop addresses the application of evidence based policy in public administration. It specifically focuses on the issue of new technologies in the form of product and process innovations rolled out in Australia since major international events (e.g. Sept 11, Boxing Day Tsunami, Avian Flu outbreak).

The workshop investigates how information is gathered, processed and disseminated to provide evidence toward policy making. <http://www.safeguardingaustraliasummit.org.au/2008/2008SocialImplications.html>

To ensure inclusion of your research news, event or service in the next issue of RaD (due for publication late July), please e-mail details to [vwallace@uow.edu.au](mailto:vwallace@uow.edu.au) by July 21st.