Contributions
Contributions to Research & Innovation News (Research news, achievements and events) are always welcome.
For inclusions in the next issue, (due for publication mid June), please e-mail details to taniav@uow.edu.au or vwallace@uow.edu.au by 22nd May.

P10: Senator Kim Carr (right) pictured here with Prof. Gerard Sutton officially opens the AIIM facility at Innovation Campus
Upcoming Grant Opportunities

**External Grants**

<table>
<thead>
<tr>
<th>Due Date</th>
<th>Activity</th>
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</thead>
<tbody>
<tr>
<td>Wednesday, 13 May, 2009</td>
<td>ARC Discovery Indigenous Researchers Development due to ARC</td>
</tr>
<tr>
<td>Wednesday, 13 May, 2009</td>
<td>ARC Linkage Projects 2010 Round 1 due to ARC</td>
</tr>
<tr>
<td>Friday 1st May 2009</td>
<td>Advise RSO of Intent to Apply for Bill &amp; Melinda Gates Foundation: Grand Challenges Explorations Grant Proposals due for Grand Challenges Explorations</td>
</tr>
<tr>
<td>TBA May 2009</td>
<td>ARC Linkage Infrastructure (LIEF) applications due to ARC</td>
</tr>
<tr>
<td>Wednesday 20th May 2009</td>
<td>NHMRC Development Grants due to NHMRC</td>
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**Internal Grants**

<table>
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<tr>
<th>Due Date</th>
<th>Activity</th>
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<tbody>
<tr>
<td>Monday 11th May 2009</td>
<td>2009 RIBG – Research Infrastructure Block Grants (Pool 2) applications due to Research Services Office</td>
</tr>
<tr>
<td>Friday, 19th June 2009</td>
<td>Guidelines and application forms for URC 2010 Small Grants available on RSO website</td>
</tr>
<tr>
<td>Monday, 25 May 2009</td>
<td>URC Research Partnerships Grants 2009 (Round 1) due to Research Services Office</td>
</tr>
<tr>
<td>TBA June 2009</td>
<td>2008-2009 UIC International Links Grants due to Research Services Office</td>
</tr>
</tbody>
</table>

New Staff

**Tania Veronese**

Tania is the new Promotions Assistant for the Research and Innovation Division. She will be assisting in: the promotion of research to the public, the Research and Innovation Newsletter and the coordination of research events (such Uni in the Brewery and the Research Strengths Showcase Series). Tania will be on campus Mondays and Fridays and may be contacted on 4221 5908 or taniav@uow.edu.au.

**Joanne Bussey**

Joanne Bussey has recently joined the Ethics Unit in the capacity of Ethics Officer. Joanne comes to the Ethics Unit from the Office of the Chief Scientist, prior to which she worked in a technical capacity in a biotech laboratory. Joanne will be working with the Human Research Ethics Committees and can be contacted on 4221 5908, or jbussey@uow.edu.au.

**Claudia Perry-Beltrame**

ERa Project Manager

Claudia joins the Research Services Office from ARD. In her new role, she will make practical use of her MBA and extensive experience at the University as she directs UOW’s approach to the new Excellence in Research of Australia (ERA) initiative. Whilst being the key contact for ERA, Claudia will also oversee the collection of a wide variety of data and be responsible for each ERA submission.

**Glenn Harris**

Research Information System (RIS) Officer

Glenn brings to UOW a wealth of system support and development knowledge from private industry where he has worked for the past 4 years. He will be an integral part of the Research Services Office as he provides assistance to campus staff using RIS. Glenn will also work to ensure that UOW meets the many Governmental reporting requirements.

New ARC Research Management System (RMS)

The Australian Research Council is transitioning from the existing Grants Administration and Management System (GAMS) to the new Research Management System (RMS) for the submission of grant proposals, assessments and rejoinders.

RMS allows researchers requesting funding under the ARC National Competitive Grants Program to prepare and submit entire proposals electronically via the internet once they are registered as RMS users. Each proposal will consist of an electronic document generated from a combination of data entered directly into the proposal form, and PDF documents attached to the proposal form, in RMS.

All applicants and Chief Investigators will need a RMS UserID and password to access the system. Existing holders of GAMS IDs as well as new users (i.e. those who have not previously held a GAMS ID) can obtain an RMS ID by visiting the RMS log-in page [https://rms.arc.gov.au/RMSExternal/pages/main.jsf](https://rms.arc.gov.au/RMSExternal/pages/main.jsf).

For further information about RMS, please visit [www.arc.gov.au/applicants/rms_info.htm](http://www.arc.gov.au/applicants/rms_info.htm).
EXTERNAL GRANT SCHEMES

ARC Linkage-Projects

ARC Linkage-Projects grants support collaborative research and development projects between higher education researchers and Partner Organisations which are undertaken to acquire new knowledge and involve risk or innovation. Proposals must contain a cash and in-kind contribution from a Partner Organisation. Eligible Partner Organisations include private sector industry organisations; private non-profit organisations and government agencies. More information is available at: [www.uow.edu.au/research/rso/UOW009274.htm](http://www.uow.edu.au/research/rso/UOW009274.htm).

ARC Discovery Indigenous Researchers Development (DIRD)

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

NHMRC Development Grants

The NHMRC Development Grants Scheme aims to support the development of health or medical research that has commercial potential and which has the potential to benefit the Australian community. Development Grants provide funding for research commercialisation at the early proof-of-concept stage. Development Grants are designed to support development work undertaken in a human health related field, for example, diagnostics, medical devices or pharmaceutical product development, biotechnology, bioinformatics and biomaterials. More information is available from the NHMRC web site: [www.nhmrc.gov.au/grants/apply/development](http://www.nhmrc.gov.au/grants/apply/development).

Bill & Melinda Gates Foundation: Grand Challenges Explorations

The Bill and Melinda Gates Foundation have issued a call for applications for Grand Challenges Explorations funding. A $100 million initiative, the program intends to help scientists pursue innovative ideas for solving major global health problems. Grant proposals will be accepted online from 31st March at [www.gcg.org/explorations](http://www.gcg.org/explorations) (closing date – TBA May). Initial grants will be $100,000 each, and projects showing success will have the opportunity to receive additional funding of $1 million or more. Full descriptions of the topics and application instructions are available at [www.gcg.org/explorations](http://www.gcg.org/explorations). Intending applicants are encouraged to view the Foundation website for information on previously awarded projects. Please advise Sharon Clarke (clarke@uow.edu.au) by 1st May if you intend to submit.

INTERNAL GRANT SCHEMES

2009 Research Infrastructure Block Grants (Pool 2)

The objectives of this scheme are to meet project-related infrastructure costs associated with Australian Competitive Grants; remedy deficiencies in current research infrastructure; enhance support for areas of research strength; and ensure that areas of recognised research potential, in which institutions have taken steps to initiate high quality research activity, have access to the support necessary for development. For further information regarding this scheme, please contact Cheryl Jecht on ext: 5874 or cjecht@uow.edu.au.

2009 Research Partnerships Scheme

The URC Research Partnership Scheme aims to support, on a competitive basis, high quality industry related research projects of modest cost conducted by researchers of proven excellence in collaboration with partners who provide matching support. It is expected that researchers with projects supported under this scheme will submit an application in the following year for external funding. Funding up to a maximum of $20,000 for a period of one year is available to assist researchers to establish a partnership. In 2009 there will be two rounds of assessment for this scheme: Round 1 – 25 May; Round 2 - 26 October. Guidelines and application forms are available from the RSO website at: [https://intranet.uow.edu.au/raid/rso/URCResearchPartnership/UOW021755.html](https://intranet.uow.edu.au/raid/rso/URCResearchPartnership/UOW021755.html) or contact Elizabeth Phillips on ext: 4522 or eliza@uow.edu.au.

2010 URC Small Grants

The URC Small Grants scheme aims to support excellent researchers in the development of strategic research projects that will increase their potential for gaining external funding and to encourage and assist Early Career Researchers to develop their research profiles by undertaking research projects of modest cost. Proposed projects are expected to lead to practical outcomes of importance, research outputs and a subsequent application to an Australian Competitive Grant scheme.

Guidelines and application forms are currently under review and will be available at the RSO website from 19 June: [https://intranet.uow.edu.au/raid/rso/internalfunding](https://intranet.uow.edu.au/raid/rso/internalfunding). For further information regarding this scheme please contact Cheryl Jecht on ext: 5874 or cjecht@uow.edu.au.

2009 UIC International Links Grants

Funding is available from the University Internationalisation Committee (UIC) to support the development of strong research and teaching collaborations with international partner institutions. Revised guidelines and application form for this scheme will be available in April. Please contact Claire Carter on ext: 4349 or by email at ccarter@uow.edu.au for further information.

Launch of Community Engagement Grants Scheme 09

The Office of Community & Partnerships (OCP) is pleased to announce the extension of the Community Engagement Grants Scheme (CEGS) into its fifth round. Up to $50,000 has been allocated in 2009 for collaborative community projects that provide mutual benefits for the University and community alike. Of this sum, $5,000 is reserved for one or more student projects. The CEGS is designed to encourage and support educational, research or outreach projects which enhance the University’s engagement with the communities it serves. The CEGS has provided funding for 23 worthy projects to encourage and support collaborations that have mutually beneficial outcomes. Staff, individual students and student groups are encouraged to contact the OCP office on 4221 3110 for further information or email taral@uow.edu.au.

RESEARCH ETHICS

Agenda Deadlines and Meeting Dates for your diary

**Human Research Ethics Committee (HREC) - Health and Medical**
Upcoming meeting on May 12th (agenda deadline April 22nd). Next meeting June 9th (agenda deadline May 20th).

**Human Research Ethics Committee (HREC) - Humanities, Social Science & Behavioural**
Upcoming meeting on April 23rd (agenda deadline April 8th). Next meeting May 21st (agenda deadline May 6th).

**Animal Ethics Committee**
Upcoming meeting May 14th (agenda deadline April 23rd). Next meeting June 25th (agenda deadline June 4th).

**Gene Technology Review Committee**
Upcoming meeting May 14th (agenda deadline April 23rd). Next meeting June 25th (agenda deadline June 4th).


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RESEARCH STRENGTH SHOWCASE SERIES 2008

This 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 8th April**— **Prof. David Steel**: Centre for Statistical & Survey Methodology
All Presentations will be held at lunchtime (12.30-1.30pm) in Building 20, Lecture Theatre 2
Sandwiches will also be available for those attending.

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UNI IN THE BREWERY 2008

All staff, students and the public are welcome and encouraged to contribute to discussion at Uni in the Brewery.

**When:** Wed. 20th May - 5:30pm-6:30pm
**Who:** **A/Prof. Paul Cooper** (Head, School of Mechanical, Materials and Mechatronic Engineering)
“Surfing the green wave - clean energy from ocean waves and currents”
Renewable energy from our oceans could provide a potentially significant amount of electricity in the future. We have the opportunity to harvest this resource from both the surface of the ocean, from waves, and below the surface, from tidal currents and other phenomena. Interest in Marine Energy Generation Systems has increased rapidly over the past few years, particularly with a new focus on harnessing the power of tidal streams using Marine Current Turbines – which are the equivalent of underwater wind turbines. This presentation will highlight some of the very recent developments in this field, such as the Marine Current turbine demonstration plants that have been installed by OpenHydro Ltd and Marine Current Turbines in Europe.

This presentation is an **Australian Innovation Festival Event**.

**Wednesday 26th August**
5:30pm - 6:30pm
**A/Prof. Chris Gibson** (Earth and Environmental Sciences)
“Serious fun: festivals and the revitalisation of rural Australia”

**Wednesday 21st October**
5:30 - 6:30pm
**A/Prof. Lori Lockyer** (Faculty of Education)
“Ruben’s Wiki - Today’s educational opportunity? Tomorrow’s obsolescence?” Lori will be talking about the changing nature of educational technology in schools.


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RESEARCH STUDENT CENTRE

**HDR Students Enrolment**
The UOW enrolment census date is the 31st March 2009. After this date the RSC cannot process any retrospective enrolment variations for research students. Likewise, any course transfers for research students after the 31st March will only be processed for Spring Session 2009. Please note that for research students all enrolments/course variations/administrative matters of any kind can only be processed through the Research Student Centre.

**Graduation Ceremony for HDR candidates**
All HDR candidates wishing to graduate at the ceremonies to be held on 22, 23 and 24 July 2009, please note that you must satisfy the resolution made by the Thesis Examination Committee concerning your thesis, and submit two bound copies of your final thesis and a CD of your thesis to the Research Student Centre by Wednesday 3 June 2009. **Please note that this deadline cannot be extended.** For enquiries about this process, please ring the HDR Thesis Officer on Ext 3208."
PODS – RESEARCH RELATED COURSES
https://intranet.uow.edu.au/pods/calendar
Research Grant Management Series
Research Services Office and Professional & Organisational Development Services (PODS) are providing a series of short seminars for researchers who have been awarded a grant and would like further information on the grant management process. Details of upcoming seminars are:
• Intellectual Property - Thursday 16 April (11am - 12.30pm)
• Personnel Management - Wednesday 29 April (11am - 12pm)
• Finance Management - Tuesday 19 May (11am - 12pm)
• Where to Publish - Tuesday 2 June (11am - 12pm)
• Reporting Outcomes - Wednesday 24 June (11am - 12pm)
• Networking and Initiating Research Partnerships - Friday 17 July (11am - 12.30pm) This session includes a networking lunch.
• Managing Partnerships - Tuesday 4 August (11am - 12pm)

“Developing Your Research Grant Writing Skills” workshop for Early Career Academics
Day one of this workshop provides information and advice on preparing a successful grant application, including elements of a good application and practical grant application writing skills. The session includes a panel discussion with experienced UOW researchers, many of whom are involved in assessment of grant applications. There will also be the opportunity to workshop a URC Small Grant application.
Day two (optional) provides participants with the opportunity to have their own grant application reviewed by experienced reviewers and researchers in a peer review round table setting.

April/May Workshop
Day 1 - Friday 24th April – 1.00pm – 4.30pm
Day 2 - Friday 15th May – 9.30am – 12.30pm
Attendance at Day 2 is optional.

October Workshop
Day 1 - Friday 9th October – 9.00am – 12.30pm
Day 2 - Friday 30th October – 9.30am – 12.30pm
Attendance at Day 2 is optional.
Nominations for all workshops and seminars are now open via WebKiosk.
For further information contact Karen Lovasz, PODS, x4876 or klovasz@uow.edu.au

COMMERCIAL RESEARCH AND INNOVATION
www.uow.edu.au/research/commercial

New Staff
Tony Enright
Recently appointed to the MIC position, Tony Enright is coming to the University from his position as a business manager operating in Asia Pacific for Siemens Ltd in Singapore. Tony brings to the University a commercial foreground more recently from his prior position as a business manager with 8 years of sales & marketing across the Asia Pacific basin, and extensive experiences of business operations within the Asia marketplaces. Tony has prior research backgrounds stemming from his PhD, his prior medical research and industrial research with Comalco Research and Technology, and as an active researcher and Director of the Institute for Magnetic Resonance Research in Sydney. Tony is now working closely with research groups and research individuals within the faculties of Informatics, Education and Creative Arts in applying their ideas and bringing them into the marketplace where others can share in the social or technological benefits.

Deborah Langton
Deborah Langton has been appointed to the position of Commercial Research Officer. She completed a BA/LLB at UOW in 1997 and has been employed by the Faculty of Law at the University of Wollongong as a sessional academic for the past nine years. In 2003, she was made an Honorary Fellow of the Faculty of Law and in 2007 she was awarded a Vice Chancellors Award for Outstanding Contribution to Teaching and Learning. In 2007 she completed the Graduate Diploma of Legal Practice and was admitted to the NSW Legal Profession. In 2008, she was awarded a UOW Community Engagement Grant to conduct research in partnership with the Illawarra Legal Centre. In addition to teaching at the University of Wollongong, she has owned and operated Amigos Mexican Restaurant in Wollongong for the past fourteen years. In 2007 she established a Mexican restaurant in Glebe called the Flying Fajita Sistas. Her business experience has developed her commitment to customer service. Deborah will be able to assist academics to cost their commercial research projects, complete the internal approvals process and negotiate with external clients.
Dr. Simon HJ Brown


Towards the end of my PhD, I met Prof. Nick Dixon (UOW, Science) when he was attending a conference in San Diego. After learning about his work I became interested in joining his lab as a postdoctoral fellow. My current research is based on investigation and modification of a high affinity DNA-protein interaction system, the Tus-Ter interaction. Prof Dixon published a paper in Cell (2006) about this system, and I am using my expertise in protein engineering and purification, as well as X-ray crystallography and SPR analysis to learn more about Tus-Ter. Additionally, I am developing an in vitro directed protein evolution system to enable the discovery of both improved and novel DNA binding proteins based on Tus-ter. This will build new tools for in vitro evolution and high throughput diagnostics, as well as elucidate general rules about DNA-protein interactions.

Frances Steel

Frances Steel is a historian of the Pacific. She completed her doctoral studies at the Australian National University in 2008 and taught for a year at the University of Otago before joining the School of History and Politics at UOW in January 2009. Frances’ main research interests are oceanic history, histories of maritime mobility, travel and tourism and food history. She is currently working on two inter-connected projects. The first examines the role and significance of steam shipping in the colonial history of the western Pacific in the late nineteenth and early twentieth centuries. It draws on the operations of the Union Steam Ship Company of New Zealand to explore the nature of transnational and imperial relations across the expanse of the sea and the confines of the ship. The second project charts the colonial origins of cruise-ship tourism in the Pacific, bringing together the operations of British, Australian, New Zealand and American shipping companies between the
1880s and 1950s. In both projects Frances is interested in exploring the ways in which histories framed around the sea can offer new perspectives on the nature of mobility in colonial history as well as the historical significance of regional relations and interconnections in the Pacific world. Frances is a member of the Faculty of Art’s Research Strength, CAPSTRANS.

Dr Nicola Marks
Nicola joined the Science, Technology and Society Program at Wollongong in February 2009. Nicola has an interdisciplinary background straddling the natural and social sciences. She started out as a scientist, studying genetics at undergraduate and postgraduate levels in the UK and working on various projects at the Royal Brisbane hospital. She then chose to pursue her interests in the social and cultural aspects of science, completing a PhD and 1 year post-doc at the University of Edinburgh on public engagement in stem cell research. Nicola’s research interests continue to focus on the role of science and biotechnology in society.

Keith Horton
Keith Horton came to Australia from the UK in November 2000 to work as a Research Fellow at the Centre for Applied Philosophy and Public Ethics at Charles Sturt University, where he remained till the end of 2006. He was awarded his PhD (from the University of Reading) in 2002. From 2006 to 2008 he was an Australian Research Council Postdoctoral Fellow. From 2007 to 2008 he was a Lecturer in Philosophy at the University of Western Australia. He then joined the Philosophy Program at the University of Wollongong as a Lecturer in January 2009.

Keith’s main research interests are in moral and political philosophy, especially the moral implications of world poverty. He has co-edited two books, Global Ethics: Seminal Essays (with Thomas Pogge, Paragon 2008) and Globalisation and Equality (with Haig Patapan, Routledge 2004), and is currently working on a third, Ethical Questions and International Non-Governmental Organisations (with Chris Roche). This last volume derives from a workshop that was held in Melbourne, Australia in July 2007, which brought together reflective practitioners and moral and political philosophers to discuss some of the pressing ethical questions International NGOs face. Keith has also published in a number of journals, including Philosophy, Philosophical Quarterly, Social Theory and Practice, and Public Health Ethics. He is currently working on an authored book, Should We Give to Aid Agencies? (under contract with Edinburgh University Press).

Keith is the Regional Editor for Australasia for The Journal of Global Ethics, and has refereed for a number of journals, including The Journal of Political Philosophy, Economics and Philosophy, Social Theory and Practice, Global Society, The Journal of Moral Philosophy, and the Australian Journal of Political Science.

Dr Susan Engel
My research interests include the politics of development theory and practice, aid and Southeast Asian development. I have a book being published later this year by Routledge entitled: The World Bank and the Post-Washington Consensus in Vietnam and Indonesia: Inheritance of Loss. Previously I worked managing development projects, in government and the private sector.

I continue to be involved in development on a voluntary basis as a member of the management committee of Indigo Foundation (a small not-for-profit organisation that funds development project in marginalised communities - it is also a UOW cares partner). I think one thing that is innovative about my work is its grounding in practical experience, which I plan to continue. In 2008 I was at the Department of Political Economy, Faculty of Arts, Sydney University and completed my PhD at Wollongong in 2007. It was exciting to be offered a position back in my home town, I have a strong commitment to both the city and the University.

I’m convening the new Bachelor of International Studies and Master of International Studies degrees and I’d like to see them grow and flourish as well as further my research interests, particularly in the field of the political economy of development.

Please view Scholarship & Fellowship opportunities at: www.uow.edu.au/research/rsc/student/scholarships

Bill Wheeler Scholarship presented
The inaugural Bill Wheeler Scholarship was awarded to Tom Higgins (IPRI) who is undertaking the final honours year of a degree in nanotechnology at UOW. This year marks the inaugural Bill Wheeler Scholarship to support research on any aspect of nanobionics. Bill Wheeler was a very community-minded person who devoted time to the Rotary Club of Kiama and to disadvantaged children. He took a special interest in the further development of the cochlea implant for deafness and the new research at UOW on spinal cord repair.

Photo: ACES Executive Research Director Professor Gordon Wallace and ACES Chief Investigator Professor Graeme Clark (right) present the Bill Wheeler Scholarship to Tom Higgins.
9th International Coal Operators Conference 2009
Another successful international coal conference was held Thursday and Friday (12-13 February) at the University Innovation Centre.
It was convened by the University of Wollongong Mining Engineering in association with the Australian Institute of Mining and Metallurgy and Mine Managers Association of Australia. Professor Judy Raper, DVC-research welcomed the delegates to the conference and the university at the opening session of the conference. Approximately 120 registered local, interstate and overseas delegates attended 29 presentations while many of our undergraduate and postgraduate students enjoyed the free entry. In total, 40 refereed papers were published in the proceedings including four high quality papers by eight authors/co-authors from our university. A new conference venue at the Innovation Centre, a geotechnical workshop, industry displays, conference dinner and top quality entertainment have once again promoted our Faculty of Engineering on the world stage. This unique coal conference held annually on the University campus is one of only three conferences of this kind that exist around the world with two others being held in Morgantown, West Virginia and Aachen in Germany. A strong industry support and the dedication of university academics and students have once again succeeded to significantly contribute to the science and technological advancement of the mining industry.

Internationalizing Internet Studies: Beyond Anglophone Paradigms
Edited by Gerard Goggin, Mark McLelland (UOW) Routledge
CAPSTRANS Researcher and member of the School of Social Sciences, Media and Communication, Mark McLelland recently published an edited volume with Prof Gerard Goggin from UNSW. The book was launched at the “Self, Place and Broadband Connectivity: Making and Making Do” workshop, 13th February, organised by the Faculty of Arts Innovation in Cultural Research Priority area and the ARC Cultural Research Network (CRN). About the book: “This timely book offers a mapping of the Internet as it has developed and is used internationally, providing a lively and challenging examination of the Internet and Internet studies. There is much interest among scholars and researchers in understanding the place of the Internet in cultural, social, national, and regional settings. This is the first book-length account that not only provides a range of perspectives on the international Internet, but also explores the implications of such new knowledge and accounts for concepts, methods, and themes in Internet studies. Of special interest will be the book’s fresh and up-to-date coverage of the Internet in perhaps the most dynamic region at present: Asia-Pacific.” [www.routledgecommunication.com/books/Internationalizing-Internet-Studies-isbn9780415956253]

The Pleasures of Computer Gaming: Essays on Cultural History, Theory, and Aesthetics
Edited by Jason Wilson (UOW) and Melanie Swalwell
Jason Wilson from the School of Social Sciences, Media and Communication recently launched his and Melanie Swalwell’s (Flinders) book at the “Self, Place and Broadband Connectivity: Making and Making Do” workshop, 13th February, organised by the Faculty of Arts Innovation in Cultural Research Priority area and the ARC Cultural Research Network (CRN).

Imposing Peace and Prosperity: Australia, social justice and labour reform in Occupied Japan
by Christine De Matos (Australian Scholarly Publishing)
CAPSTRANS Researcher Christine De Matos has recently published “Imposing Peace and Prosperity: Australia, social justice and labour reform in Occupied Japan” “Current scholarship on the Allied Occupation of Japan (1945–1952) remains captivated by the overarching US role. Yet Australia also participated in the Occupation, held a vision for a Pacific future, and developed a postwar relationship with Japan. Australia and the United States often disagreed over contentious issues related to Japan’s postwar reforms. This is particularly evident in labour reform policy and on issues of social and economic justice. Comparisons with Iraq and Afghanistan are perhaps inevitable, and the narrative illuminates the paradox of the imposition of democratic reforms via military occupation.” [www.scholarly.info/new.htm#imposing-peace]

Crisis Management in the Tourism Industry: Beating the Odds
Dr. Peter Hosie, Associate Professor in Management at UOWD, and Dr. Christof Pforr, Associate Professor in Tourism Management, Curtin University of Technology, Perth
The incidence of global terrorism, serious criminal activity and the ever-present threat of natural disasters have accentuated the need for businesses to adopt a pre-emptive attitude and proactively confront the issue of crisis preparedness in tourism, according to a new book, co-written by a management professor from the University of Wollongong in Dubai (UOWD). Citing cases studies revolving around major crises, such as the 9/11 terror attack, the Indian Ocean tsunami and the SARS epidemic, the book illustrates particular aspects of destination preparation, recovery marketing and crisis communications in different temporal and geographic contexts.
With contributions from a diverse range of experts, the book covers various contexts to provide academics, students and professionals with a rich source of information on contemporary issues facing the volatile industry. A balanced mix of practical and conceptual issues suggests what organisations and businesses can do to avoid crises and how best to recover from such events.

**Xiaolin Wang, “Advanced Materials” journal**

Wang has recently published two papers in the journal “Advanced Materials” which is the top journal in materials science. He and his research team have reported two pioneering work in the studies of both newly discovered superconductors and exotic properties in a material which was predicted in a previous paper published in Physics “Physical Review Letters” last year.

**Nature of GeoScience**

Andy Davis, “Nature of GeoScience” journal

A recent study on which A/Prof Andy Davis was a co-author received some attention in Nature GeoScience. The paper was featured as a research highlight for Nature Reports Climate Change. [www.nature.com/climate/2009/0904/full/climate.2009.23.html](http://www.nature.com/climate/2009/0904/full/climate.2009.23.html)

**Team scores cover of Advanced Functional Materials**

A team from the ARC Centre of Excellence for Electromaterials Science (ACES) and the School of Chemistry has had their research on a biomaterial selected as the cover for a special issue of Advanced Functional Materials. Advanced Functional Materials is one of the world’s leading scientific journals in the materials science field. The special issue (number 23) focused on cutting edge work in the area of “Frontiers of Nanoscience/Nanomaterials”. The title of their paper was “Spinning Carbon Nanotube-Gel Fibers Using Polyelectrolyte Complexation.”

Photo: Members of the research team who had their paper published on the cover of Advanced Functional Materials are (from left) Dr Jocelito Razal, Mr Alberto Granero, Professor Gordon Wallace and Dr Marc in het Panhuis.

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**CAPTRANS: TRIPLE BOOK LAUNCH**

The Faculty of Arts had a triple book launch on Thursday 26th March. The three books launched were:

- **Imposing Peace & Prosperity:**
  - Australia, Social Justice and Labour Reform in Occupied Japan
  - by Christine de Matos
  - to be launched by Prof Tessa Morris-Suzuki

- **Globalisation and the Middle Classes in India:**
  - The Social and Cultural Impact of Neoliberal Reform
  - by Ruchira Ganguly-Scrase & Tim Scrase
  - to be launched by Prof Philip Kitley

- **Postcolonial Literary History and Indian English Fiction**
  - by Paul Sharrad
  - to be launched by Dr Tony Simoes da Silva

(View our previous newsletter for more information on the latter two books)

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**MERLINDA BOBIS, RIVER RIVER**

In 1994 Filipina-Australian Merlinda Bobis (Creative Arts) wrote the short story, ‘Fish-Hair Woman’, which she expanded into a novel through fifteen years of research and writing. In 2005 she performed the story as radio drama with a cast of Filipino migrants and Australians. She has now adapted it for stage. [www.merlindabobis.com](http://www.merlindabobis.com)

This performance was an event at the 2009 international conference ‘Between the “Urge to Know” and the “Need to Deny”: Ethics and Trauma in Contemporary Narrative in English’.

**RIVER, RIVER**

- A chamber performance
  - Palacio de Congresos, Jaca (Spain), performed on 27 March 2009

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**Do you know anyone who would like to receive Research & Innovation News?**

Please send their email to taniav@uow.edu.au or vwallace@uow.edu.au
IPRI DIRECTOR HONOURED WITH LIFETIME ACHIEVEMENT AWARD

The Director of UOW’s Intelligent Polymer Research Institute and Executive Research Director of the ARC Centre of Excellence for Electromaterials Science, Professor Gordon Wallace, has been awarded the 2009 Smart Structures and Materials Lifetime Achievement Award. Annoucement of the award was made in the United States early in March at the SPIE Smart Structures and Materials/Nondestructive Evaluation symposium. The annual event was held this week in San Diego, California.

Professor Wallace’s research interests include organic conductors, nanomaterials and electrochemical probe methods of analysis and the use of these in the development of intelligent polymer systems. A current focus involves the use of these tools and materials in developing biocommunications from the molecular to skeletal domains in order to improve human performance via medical bionics. IPRI is renowned for expertise in the electrochemistry of organic conductors; especially when those conductors are used in the applications of artificial muscles, photovoltaics, batteries, and biomedical applications.

MINISTER OPENS AIIM BUILDING, PRAISES COLLABORATIVE PARTNERSHIPS

The AIIM Building, which houses UOW’s flagship research centres, the Institute for Superconducting and Electronic Materials and the Intelligent Polymer Research Institute, is the second building to open on the Innovation Campus, with two more under construction.

Senator Carr described the output of the two research institutes as “world-class, providing real opportunities for both the transformation of traditional industries and opportunities for the development of new industries”.

“This (AIIM) building has a very serious concentration of expertise and resources in an area of research that will help define the 21st century,” he said.

“They (the two research institutes) are developing high-skilled, high-wage jobs for the future that will keep Wollongong as a manufacturing hub well into the future,” Senator Carr said.

“We can’t afford to stop thinking of the future – The University of Wollongong is doing that, and these institutes of future manufacturing are doing that.”

FACULTY OF SCIENCE NEWS

• Congratulations to Katarina Mikac (Faculty of Science), who received a Travel Award from the Grains Research and Development Corporation (GRDC) valued at $3,924 to visit International research centres and develop cross-institutional research collaboration in Croatia and France in July 2009.

• Congratulations to Dr Todd Minchinton, Institute for Conservation Biology and School of Biological Sciences, for being awarded a Research Grant from the Hermon Slade Foundation (total funding $76,560 for 3 years). His research is investigating “Human disturbance, mangrove invasion and the structure of endangered salt marsh communities”.

• Congratulations to Stephen Blanksby, School of Chemistry, who was recently (29/1/09) awarded the inaugural “Bowie Medal” by the Australian and New Zealand Society for Mass Spectrometry for “The Bowie Medal honours excellence in research in any area of mass spectrometry by a young Australia or New Zealand researcher”. See more at: www.latrobe.edu.au/anzsms/Awards/Bowie.htm

• Congratulations to Tony Wright, Honorary Principal Fellow, Earth and Environmental Sciences, who was awarded the Linnean Macleay Fellowship for 2009 by the Linnean Society of NSW. Tony has held this in 2006, 2007 and 2008.

• Congratulations to Professor Mark Walker, School of Biological Sciences, who is a Chief Investigator in the team led by Professor James Paton from the University of Adelaide. This team will receive a total of $9.1m under the NHMRC Program Grant to seek to understand the dynamic interactions between major disease-carrying bacteria and their human hosts, urgently needed to combat bacterial infectious diseases in the 21st century.

• Congratulations to Andy Davis, Biological Sciences, on receiving the following two grants:
  » Davis 2009 “Spongewatch”: assessing the utility of sponges as biomonitors Nat. Heritage Trust (DECC) $19,900
  » Davis, Roberts & Jordan 2009 “Patterns of biodiversity: Batemans Marine Park. Marine Parks Authority (DECC) $34,000
Civil Mining and Environmental Engineering (CME) staff members – Ernest Baafi, Chris Lukey, Jan Nemcikand, Ian Porter have secured a total of more than $1.5million for a project that will change the way roads are built.

The research relates to the development of polymeric materials to replace steel mesh in underground coal mine roadways, which researchers say is a ‘radical’ new approach to roadway development. The Alternative Skin Reinforcement project will make roadway development safer, cheaper and easier to install. The new system being developed by these staff members can be spray applied, sets within a few seconds, and can then be bolted through. This will eliminate current road building practices which can be dangerous and time consuming and involve manually cutting the roadway within the coal seam, then supporting the opening using steel mesh and rock bolts.

Over the next two years, the team will be carrying out tests above and underground improving the automated process. The system is due to be commercialised and introduced to the world wide mining business by 2010.

Professor Anatoly Rozenfeld, Dr Michael Lerch and Professor Peter Metcalfe (CMRP) as well as researchers from South Eastern Sydney and Illawarra Area Health Service (SESIAHS) have successfully attracted a National Health and Medical Research Council (NHMRC) grant worth $354,000 to improve the accuracy of radiotherapy for eye tumours. The project is aimed at designing very accurate, high resolution radiation detectors that are used in the treatment of several types of eye cancer. Ultimately the hope is to enable eye conserving plaque radiotherapy for some patients who would otherwise have their eyes surgically removed.

The grant will be administered and led by Prof Anatoly Rozenfeld, Dr Michael Lerch and Prof Peter Metcalfe. Dr Max Conway, an ophthalmologist from Sydney Eye Hospital and St Vincent’s Hospital will provide clinical direction for the project. Dr Martin Carolan from the Illawarra Cancer Care Centre (ICCC) at Wollongong Hospital will contribute expertise in radiation oncology physics and computer simulations of the radiation doses. Other researchers include Paul White from Prince of Wales Radiation Oncology Department as well as others from Melbourne and the US.

The Centre for Medical Radiation Physics (CMRP) at the University of Wollongong has been playing host to two world leading experts in the fields of radiation physics and materials science. The pair has been with the CMRP for about the past year with their sabbatical now drawing to a close. Professor Yigal Horowitz is the Head of the Radiation Physics Laboratory (RPL) at Ben Gurion University, Beer-Sheva, Israel, and his wife Dr Atara Horowitz works for Rotem Industries Ltd in Beer-Sheva, Israel. The pair has been working on various projects with staff of the CMRP, including its director, Professor Anatoly Rozenfeld and Dr Michael Lerch as well as interacting with some of CMRP’s students. One of those students is Jayde Livingstone, an honours student supervised by Professor Horowitz who will be travelling to his laboratory in Israel this year for further studies. The hope is to establish the groundwork for an on-going and extensive collaboration between the two laboratories.

Woolyungah Indigenous Centre will be hosting a ten day visit between Monday 25 May and Wednesday 3 June 2009 by the Director of Native American Studies at the University of Oklahoma, Dr Joe Watkins, and his colleague and partner, Ms Carol Ellick. Dr Watkins is an expert in Native American archaeology and anthropology, and Ms Ellick is an instructor on indigenous cultural and education issues. The visit is the first stage of a project aimed at developing a reciprocal student and academic exchange program in indigenous studies between UOW and the University of Oklahoma. Woolyungah is currently in the process of organising an itinerary and open events for UOW staff and students to attend during Dr Watkins’ and Ms Ellicks’ visit. For further details, please contact Professor Kathy Clapham at Woolyungah, or 4221 4244, or kathy_clapham@uow.edu.au

ALTC LEADERSHIP PROJECT LAUNCHED

The GREEN (Growing, Reflecting, Enabling, Engaging and Networking) Report: The Development of Leadership Capacity in Higher Education has been officially launched at UOW. Dr Elizabeth McDonald, Director of Programs, Australian Learning and Teaching Council (ALTC); Professor Joe Chicharo, Pro Vice-Chancellor (International); and Dr Geraldine Lefoe, Centre for Educational Development and Interactive Resources (CEDIR) launched the report on the 16th February. The two-year project investigated the development and trial of a ‘Leadership Capacity Development Framework’ for teaching and learning in higher education. The project addressed the need for system wide development of leadership for teaching and learning. The project report, and a comprehensive accompanying resource, are available from www.uow.edu.au/cedir/DistributiveLeadership
Dr Glenn Bewsell (School of Information Systems and Technology) recently received the 2007/8 Runner-Up Award for his PhD, at the recent Australasian Association of Information Systems (IS) Conference in Christchurch. The panel of judges wrote as follows of the thesis: “This thesis was the unanimous choice as the runner-up to best Australian Information Systems PhD. It was a study of the mechanisms that impact trust in online auctions. It was very tightly written and addressed a problem of great relevance to industry.”

Dr Shen, a Senior Member of both IEEE and ACM, has been visiting top overseas universities with the support from a UIC grant. At the University of California at Irvine, he had extensive discussions on research topics in service oriented computing (SOC) and also gave a talk to research groups in the Dept. Electrical Engineering & Computer Science. Dr Shen has been invited to join an international team to develop new textbooks and SOC-based curriculum suitable for college and postgraduate students. At the Georgia Institute of Technology (GaTech), which engineering and computer disciplines are ranked in the top 5 in the US, Dr Shen enjoyed his experiences in the high-profile System Lab of College of Computing, where experimental computer science researches are among the best in the world. Dr Shen’s next host institution will be University of Leipzig, which was among the oldest universities in the world and is now leading in the newest areas such as Semantic Web (so called Web 3.0).

Between late October and the end of November 2008, I was fortunate enough to spend five weeks in the US and Canada giving papers and conducting research in the history of technology at the University of Oklahoma and the University of Texas at Austin, while also working on the development of an indigenous student and academic exchange program between UOW, the University of Oklahoma and the University of British Columbia.

My own connection with indigenous studies arose from a long-standing interest in Aboriginal politics and policy issues, and while previously working as a senior policy officer in the NSW Department of Aboriginal Affairs. Shortly after I began working at UOW in March 2008, I initiated discussions with Native American Studies at OU and Woolyungah Indigenous Centre (UOW) about the possibility of organising an indigenous student and academic exchange program with OU, as well as rejuvenating an existing relationship between Woolyungah and the First Nations Program at the University of British Columbia (UBC) in Vancouver.

Although I spent a lot of time doing work in Native American Studies while I was at OU, the primary purpose of my visit was to conduct research in the History of Science Collections (HSC) on the Roman architect and engineer, Vitruvius Pollio. This involved getting a better understanding of the history of Vitruvius’ influence on the western intellectual tradition, and digitising seven different 16th and 17th century editions of Book X of Vitruvius’ famous book, De Architectura, in Latin, French and Italian. I also digitised a complete edition of the first English translation by William Newton from 1791.

It was quite a privilege being able to handle books that were four or five hundred years old, and to read these comments in Latin and other languages by previous owners of these books, some of whom were famous figures in their own right. The digital editions I worked on were completed during my visit and are now available online at the HSC website [http://hsci.ou.edu/galleries/]. To find them, you click on the ‘02LateAncient’ gallery, then click on ‘Vitruvius’.

Apart from this work, I had a number of really memorable experiences during the trip. The first was being in Austin on Halloween, which is much like being in Sydney at Mardi Gras.

The second was spending an afternoon with men from the Choctaw, Creek, Seminole, Potowatami and Cherokee tribes making sticks (really racquets) for a traditional Native American game called ‘stickball’. The men were surprisingly tolerant of the many questions I asked, and we had the privilege of eating buffalo stew and cornbread made by a fabulous Cherokee woman named Waleila Carey.

The third highlight was visiting the Choctaw Cultural Centre in Durant near the Texas border, where I sat in on a couple of virtual classes in Choctaw language for high school and kindergarten students.

Finally, I got to indulge my obsession with US politics, by being there during the US Presidential election, and seeing Obama coast to victory. Needless to say, the many Republicans in Oklahoma were not too pleased, to the extent that one crazed GOP supporter in Norman drove his SUV onto a neighbour’s lawn to run over his Obama sign. Unfortunately for him, he collected a tree and totalled his SUV as a consequence. Such is life.