

Adelaidean

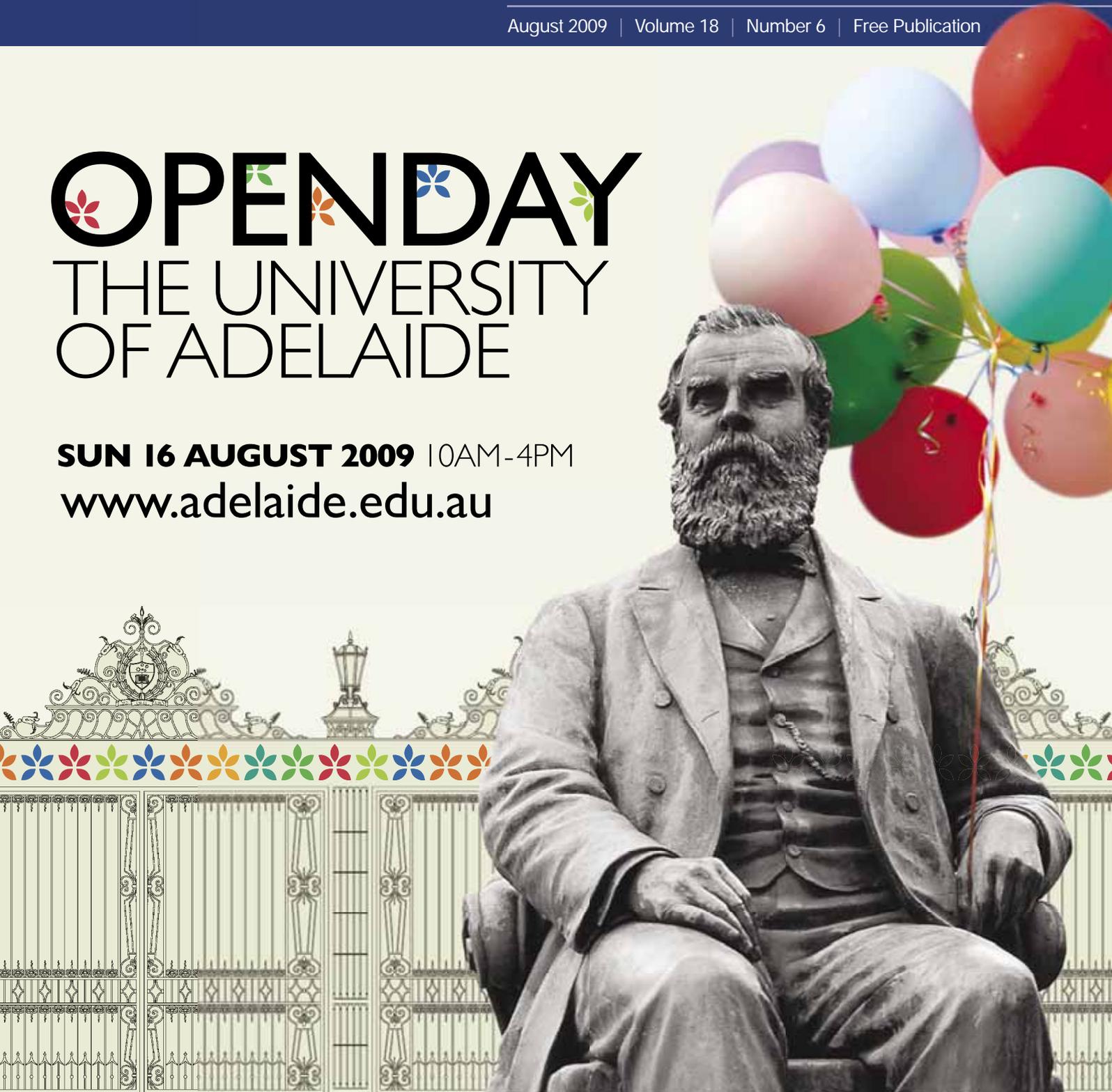
NEWS FROM THE UNIVERSITY OF ADELAIDE

August 2009 | Volume 18 | Number 6 | Free Publication

OPENDAY

THE UNIVERSITY
OF ADELAIDE

SUN 16 AUGUST 2009 10AM-4PM
www.adelaide.edu.au



Thinking globally

There's more cooperation and collaboration between universities than you might think.

While universities are often in competition for students and funding, there are a vast number of ways in which we work together.

At a State level, a range of collaborative agreements exist across various programs in teaching, research and the use of facilities.

At a national level, the University of Adelaide is a member of the prestigious Group of Eight (Go8) Australian universities, which has its own level of cooperation for the benefit of each of its members.

But there are also bigger, broader levels of collaboration. Being a university in the Commonwealth, the University of Adelaide is – as most Australian universities are – part of the Association of Commonwealth Universities (ACU).

As the Honorary Treasurer of the ACU, I was pleased to be invited attend the recent Conference of Commonwealth Education Ministers held in Kuala Lumpur, Malaysia and to deliver a plenary address on *The Role of Universities in Shaping Our Understanding of Sustainability Issues: Climate Change*.

The conference brings together university and government representatives from right across the Commonwealth to discuss important issues in higher education. The event helps to develop a closer working relationship between universities as well as with key decision-makers in higher education policy.

One of the features of this year's conference was a University Vice-Chancellors' Forum, which enabled vice-chancellors to develop a series of comments and recommendations to Education Ministers.

It's important to point out that the Commonwealth is a mixed bag: there are major differences between universities in developed and developing countries, with each country facing various economic pressures, and each with a varying quality of higher education service and delivery.



Despite these differences, the vice-chancellors developed a statement that presented a very clear and coherent message to education Ministers: a greater commitment is needed to university-level education right across the globe.

By way of context, the United Nations has developed eight "Millennium Development Goals" relating to key issues faced by the world. These range from halving the level of world poverty, to halting the spread of HIV/AIDS and providing universal education, all by the target date of 2015.

From our discussions in the Vice-Chancellors' Forum, we were broadly convinced that none of the UN's proposed Millennium Development Goals could be achieved without a thriving higher education system.

The essential role of higher education in reaching not only these goals but also other key issues for society – such as sustainable economic development – must be acknowledged by all governments. In doing this, governments must take a holistic view of education, moving primary, secondary, tertiary and lifelong education forward together.

If you look at the education sector as a whole, there's no doubt that the biggest benefit to economies comes from university education. University teaching, learning and research is a major driver for change across all aspects of our lives. These are fundamental issues for governments to consider and acknowledge.

At the Forum, vice-chancellors called upon education Ministers to foster a strong and sustainable university sector by:

- "Ensuring that there are appropriate processes for accreditation of universities, as governments have a responsibility to remove bogus universities and to protect students and the public;
- "Ensuring that universities have access to adequate funding for teaching, research and community engagement. It is particularly important that funding per student is not damagingly diminished as a result of the expansion of student numbers;
- "Maintaining the appropriate balance between university autonomy and public accountability."

Adequate funding of higher education and creating a sustainable sector is crucial not just to our own State and nation but to the world generally. While it's true that we are all, in one sense, competing for students and resources, improving the quality and sustainability of universities means that society as a whole stands to benefit greatly.

JAMES A. McWha
Vice-Chancellor and President

Adelaidean

Adelaidean is the official newspaper of the University of Adelaide. It provides news and information about the University to the general public, with a focus on Life Impact.

Circulation:
11,500 per month
(March to December)

Online readership:
140,000 hits per month (on average)
www.adelaide.edu.au/adelaidean

Editor:
David Ellis

Design:
Chris Tonkin

Writers:
Candy Gibson
Robyn Mills

Contributors:
Kim Harvey, Cobi Smith,
Amanda Phillis

Cover image:
Naomi Cain

Deadline for September issue:
Friday 7 August 2009

Do you receive too many *Adelaideans*?
Not enough? Want to be added to our mailing list?

Contact us to let us know.

Editorial/Advertising enquiries:
Phone: +61 8 8303 5414
Fax: +61 8 8303 4829
Email: adelaidean@adelaide.edu.au

Mailing address:
Adelaidean
Marketing & Strategic
Communications,
University of Adelaide,
SA 5005
Australia

Printed by:
Lane Print & Post

Distribution:
Lane Print & Post
Passing Out Distribution Co.

Registered by Australia Post
No 565001/00046



Adelaidean is printed on 100% Carbon Neutral Paper that is derived from sustainably managed forests and is certified by the Australian Government's Department of Climate Change. *Adelaidean* is printed using vegetable-based inks and is Elemental Chlorine Free (ECF). The paper stock and the printing process are ISO 14001 certified.

www.dalton.com.au
www.climatechange.gov.au/greenhousefriendly



Hi-tech learning environment

The student learning environment at the University of Adelaide is being transformed with a multi-million investment in new hi-tech facilities and spaces for students.

New facilities for students will meet the need for increased learning and social interaction, and incorporate the latest digital technologies for online learning, learning management and wireless networking.

At the heart of this development will be the Hughes Plaza Learning Hub to be built in the centre of the North Terrace Campus, linking the Barr Smith Library and student support services. This will be a large 'community centre' with hi-tech learning facilities, student information centres, retail food outlets and social areas for informal and formal events.

One of the leading thinkers in educational space planning, Dr Kenn Fisher, has been engaged to bring the best ideas from educational institutions around the world to Adelaide.

Infrastructure, Property and Technology Director Virginia Deegan said: "The University of Adelaide prides itself on offering a high-quality, distinctive learning experience to our students. We want to ensure our facilities are meeting the needs of the most up-to-date learning and teaching strategies, and meeting new demands from having a growing number of students.

"New approaches to learning are creating new requirements for 'common spaces' for increased team study and discussion spaces, for cross-disciplinary meeting areas and places where students can interact with the community, their teachers, researchers and each other."

Story continued on page 5



The new Barr Smith Library Lounge offers students a relaxed area for group study and informal learning
Photo by Randy Larcombe

Contents

-
- 4 Blast from the past

 - 5 On your marks...
Hi-tech learning environment

 - 6 New treatment options
for epileptics

 - 7 Scientists closer to developing
salt-tolerant crops

 - 8 Outstanding teaching
rewarded
Art & Heritage Collections

 - 9 Researcher wins 7th
teaching award

 - 10 Clown doctors, video
games calm children
before operations

 - 11 Physics leader returns
to Adelaide

 - 12 Openday

 - 14 Openday Forum

 - 15 Get the edge by
studying abroad

 - 16 Hi-tech educators attract
Apple's eye

 - 17 Arts has real-world connection

 - 18 New life for Adelaide's
kelp forests
New graduate? You can win!

 - 19 Calling all alumni
Alumni Membership

 - 20 Oral health centre opens
up on disease

 - 21 Students sought for
overseas experience

 - 22 From Disgrace to
cinema success

 - 23 No dramas about acting

 - 24 Coming Events

Blast from the past

Fans of Miles Davis will be able to relive some of his major works at the University of Adelaide this month, thanks to the talents of New York jazz maestro Ray Vega.



On his second visit to Adelaide in as many years, Vega will perform tracks from two of Davis's seminal jazz albums – *Kind Of Blue* and *Porgy And Bess* – as well as providing a public masterclass to University of Adelaide jazz students.

Joined by staff from the Elder Conservatorium of Music's Jazz School, Vega's 50th anniversary performance of *Kind Of Blue* will be held in Elder Hall on Friday 7 August as part of the Lunchtimes at Elder Hall concert series.

The following week (Wednesday 12 August) he will present a workshop to students as part of the Conservatorium's Masterclass series, which is open to the public for the cost of just \$10.

Arguably the highlight of Vega's return to Adelaide will be the performance from Miles Davis's historic work *Porgy And Bess*, based on George Gershwin's opera. Part of the Evenings at Elder Hall concert series (Saturday 15 August), *Porgy And Bess* features the Elder Conservatorium Jazz Orchestra.

"Miles Davis changed the course of jazz music several times throughout his long career," said Dusty Cox, Jazz Saxophone Lecturer at the Elder Conservatorium and Yamaha Performing Artist.

"Miles's recording of *Porgy And Bess* gave him a forum in which to display his musical sensitivity and nuance within an extended ensemble and not in a typical small group. Davis had been a member

of Charlie Parker's groundbreaking bebop quintet as a very young performer and the recording of *Porgy And Bess* couldn't be any further away from that musical format."

Dusty said Ray Vega's versatility would be important in these live performances.

"Ray is an incredibly well-rounded musician and trumpet player," he said. "He is experienced in many styles of music, which is why we are so pleased to have him here in Adelaide at the Elder Conservatorium with us. Ray has played jazz, classical music, Latin jazz, contemporary works, any and everything throughout his career."

Dusty said many music students in Adelaide would have the chance to learn from Vega during his two-week residency.

"Ray will conduct several workshops for all brass players, including classical and jazz brass students, and for area high school big bands. He will give lectures in jazz history and Latin music, and coach our ensembles, from small jazz ensembles to classical brass ensembles and more," he said.

"His extended residency is made possible by the Helpmann Academy. We are very grateful to them for helping our students and staff continue to grow musically and personally," Dusty said.

Story by David Ellis

Above: Ray Vega performing at Elder Hall last year
Photo by Chris Hancock

LUNCHTIMES AT ELDER HALL *KIND OF BLUE WITH RAY VEGA*

1.10pm Friday 7 August

Tickets \$7, available at the door from 12.30pm on the day of the concert.

To attend all lunchtime concerts from Friday 31 July to 13 November, purchase a Gold Pass for just \$80 and save over 25% on the full price.

MASTERCLASS WITH RAY VEGA

1.00pm–3.00pm Wednesday 12 August

Tickets \$10.

EVENINGS AT ELDER HALL *PORGY AND BESS WITH RAY VEGA*

6.30pm Saturday 15 August

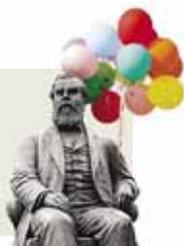
Tickets \$25 adults, \$20 concession, \$15 student. For a special Family Ticket deal, contact the Concert Manager.

Elder Hall, North Terrace Campus, University of Adelaide

For more details phone the Concert Office on +61 8 8303 5925, or email: claire.oremland@adelaide.edu.au www.elderhall.adelaide.edu.au

For more information about Music visit Open Day (Sunday 16 August).

www.adelaide.edu.au



On your marks...

Running shoes will replace textbooks when the University of Adelaide's five academic faculties line up against each other to compete for the inaugural Vice-Chancellor's Cup next month.

The footrace through the North Terrace Campus will be the culmination on the Friday of a week-long Inter-Faculty Active Recreation Week, from September 7 to 11.

Four-member teams of students and staff from each faculty will don their faculty colours and race almost 800 metres from the Barr Smith Lawns, up the stairs and past Hughes Plaza to North Terrace, around Goodman Crescent and back down to the front of Union Hall. Teams will include two students and two staff members, a male and female of each.

The Champion Faculty, with the fastest combined time, will be presented with the new Vice-Chancellor's Cup, an old trophy from the historic Sports Association Collection, which has been restored and mounted on a plinth of Australian Red Gum.

Loosely based on the 1980s Hugh Hudson film *Chariots Of Fire*, the race locally will be called 'The Lions of Adelaide' and, reminiscent of the film, the runners will be dressed in white with designated faculty colours across their chests.

The Inter-Faculty Active Recreation Week is being organised by the Adelaide University Sports Association to boost some healthy inter-faculty rivalry, raise

awareness of the Association's clubs and activities and to promote the benefits of active recreation and a healthy lifestyle.

"When I was here at the University of Adelaide in the 1970s, there was a lot of friendly inter-faculty rivalry and students were a lot more involved in clubs and campus activities," said Mike Daws, Sports Association Executive Officer.

"Boosting that competitive spirit and rivalry is a good way of promoting participation in sport and other activities on campus. It will help bring staff and students together, help develop a sense of pride within the University community and, very importantly, bring back more of the fun side of campus life."

The Inter-Faculty Recreation Week will include seminars on healthy body and mind, stands promoting clubs and activities, and demonstrations and 'come-and-try' sessions including rock-climbing, Ultimate Frisbee, soccer, rowing machines, judo and tae kwon do and basketball, plus Giant Jenga, bocce, putt-putt pool and a tug-of-war.

Story by Robyn Mills

Below: Building friendly inter-faculty rivalry: Ashleigh Day, second-year student from the Faculty of Professions studying Commerce, and Jeff Dutschke, a PhD student with the Centre for Automotive Safety Research in the Faculty of Engineering, Computer and Mathematical Sciences

Photo by Robyn Mills

For more information about university sport visit Open Day (Sunday 16 August).

www.adelaide.edu.au



Hi-tech learning environment

continued from page 3

"Libraries, for instance, are no longer the strictly silent individual study places we've traditionally seen. The success of our new lounge and collaborative study area in the Barr Smith is a perfect example.

"And, as learning and research becomes increasingly a blend of face-to-face and online activity, we need to facilitate this with easy access to the latest digital technologies."

The Hughes Plaza Learning Hub will be under construction next year with completion of Stage 1 scheduled for 2011.

The new Barr Smith Library Lounge offers students a relaxed area for group study and informal learning.

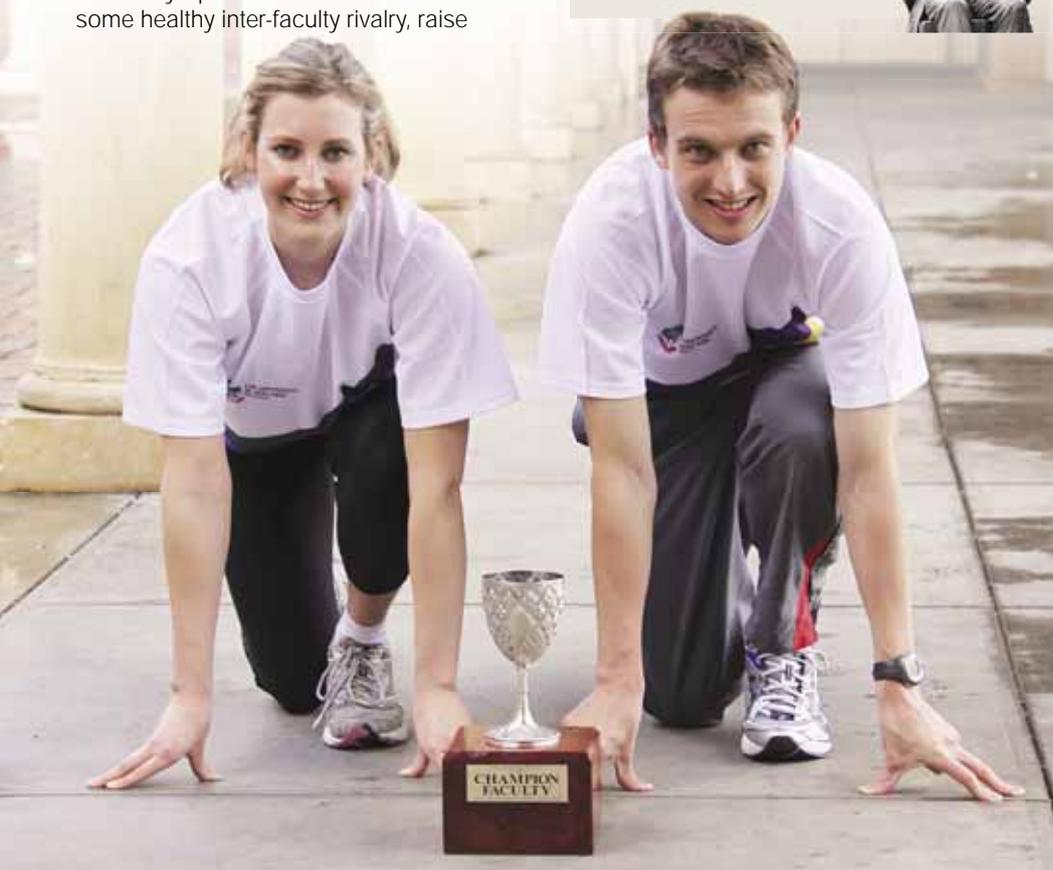
A number of satellite student hubs are also being developed. The Engineering, Computer and Mathematical Sciences hub will be completed in mid 2010.

The learning hub for business, economics and education students on the corner of North Terrace and Pulteney Street has just been completed. This offers students a local area to meet, socialise and study with wireless networks, computers, group work areas, the latest AV equipment plus a central student service and information desk.

Other new facilities planned include new science laboratories for Earth and Environmental Sciences, hi-tech upgrades of lecture theatres in the Napier Building and student computer suites, upgrading the Scott Theatre as a large lecture and performance facility, enhancing teaching facilities in the Medical School and establishing another student hub for Humanities and Social Sciences students.

Students will also directly benefit from other major projects under construction in the University's \$400 million capital works program, including the Veterinary Science facilities at Roseworthy and the new Maths, Computer Science and Engineering building.

Story by Robyn Mills





New treatment options for epileptics

A University of Adelaide scientist and his US colleagues have made a significant breakthrough in the causes of epilepsy, which affects about 50 million people worldwide.

Postdoctoral researcher Dr Mark Hutchinson from the Discipline of Pharmacology and neuroscientists from the University of Colorado in Boulder have revealed for the first time the role that the brain's immune cells play in triggering epileptic seizures.

Their findings, recently published in the international neurology journal *Brain*, demonstrate that while neurons are responsible for some epileptic attacks, the brain's immune cells, known as glia, also influence neuronal electrical activity.

Dr Hutchinson said the discovery could lead to more effective treatment options for millions of epilepsy sufferers around the world.

"There are a whole host of people who are getting treated for epilepsy using drugs that are targeting the neurons, when perhaps the original cause for their seizures could be the brain's immune system," he said.

The study, led by the University of Colorado, was prompted in part by the expected massive increase in epilepsy among US soldiers who have suffered traumatic brain injuries in Iraq and Afghanistan as a result of roadside bomb blasts.

Dr Hutchinson said neuronal models of epilepsy may not hold true for seizures triggered by traumatic brain injuries.

"Some people have a genetic predisposition to epilepsy, while other seizures occur in the aftermath of brain infections such as meningitis and HIV-related conditions. Then there are seizures associated with some drugs. All of them present with a spiking of neuronal activity but the underlying causes can be due to the brain's immune cells," Dr Hutchinson said.

"With brain wounds, tumours, blockages and infection, glial cells accumulate in the damaged region of the brain to help repair and reconstruct cells. However, they can also trigger epileptic seizures."

Glia account for up to 90% of the cells in the brain, with the remainder made up of nerve cells.

"Initially we thought that glia just provided structural support for the brain, holding the nerves in the right place and feeding them, but it appears they are responsible for a whole lot more, including neuropathic pain and drug addiction," Dr Hutchinson said.

The University of Colorado has applied for funding to trial various drugs that block the brain immune cells from activating.

The research team was led by Professor Dan Barth and included Professor Linda Watkins, Professor Steven Maier, Alexis Northcutt and Krista Rodgers, all from the University of Colorado, as well as Dr Mark Hutchinson.

Dr Hutchinson graduated with a Bachelor of Science degree with First Class Honours from the University of Adelaide in 1999, majoring in microbiology, immunology and pharmacology.

He won the Australian Fresh Science Award in 2004 for his research into the links between the brain's immune system, pain tolerance and morphine addiction.

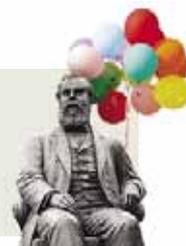
The following year Dr Hutchinson was awarded an American-Australian Association Fellowship to pursue studies in the United States. He spent three years working at the University of Colorado in the Center for Neuroscience before returning to the University of Adelaide in 2008 to continue his research.

Story by Candy Gibson

Above: Dr Mark Hutchinson
Photo by Candy Gibson

For more information about Health Sciences visit Open Day (Sunday 16 August).

www.adelaide.edu.au



Scientists closer to developing salt-tolerant crops



An international team of scientists has developed salt-tolerant plants using a new type of genetic modification (GM), bringing salt-tolerant cereal crops a step closer to reality.

The research team – based at the University of Adelaide's Waite Campus – has used a new GM technique to contain salt in parts of the plant where it does less damage.

Salinity affects agriculture worldwide, which means the results of this research could impact on world food production and security.

The work has been led by researchers from the Australian Centre for Plant Functional Genomics and the University of Adelaide's School of Agriculture, Food and Wine, in collaboration with scientists from the Department of Plant Sciences at the University of Cambridge, UK.

The results of their work were published recently in the top international plant science journal, *The Plant Cell*.

"Salinity affects the growth of plants worldwide, particularly in irrigated land where one third of the world's food is produced. And it is a problem that is only going to get worse, as pressure to

use less water increases and quality of water decreases," said the team's leader, Professor Mark Tester, from the School of Agriculture, Food and Wine at the University of Adelaide and the Australian Centre for Plant Functional Genomics (ACPGF).

"Helping plants to withstand this salty onslaught will have a significant impact on world food production."

Professor Tester said his team used the technique to keep salt – as sodium ions (Na^+) – out of the leaves of a model plant species. The researchers modified genes specifically around the plant's water conducting pipes (xylem) so that salt is removed from the transpiration stream before it gets to the shoot.

"This reduces the amount of toxic Na^+ building up in the shoot and so increases the plant's tolerance to salinity," Professor Tester said.

"In doing this, we've enhanced a process used naturally by plants to minimise the movement of Na^+ to the shoot. We've used

genetic modification to amplify the process, helping plants to do what they already do – but to do it much better."

The team is now in the process of transferring this technology to crops such as rice, wheat and barley.

"Our results in rice already look very promising," Professor Tester said.

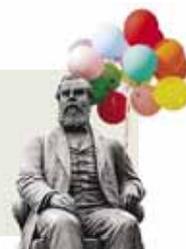
Story by David Ellis and Cobi Smith

Above: Professor Mark Tester at the Australian Centre for Plant Functional Genomics (ACPGF), Waite Campus, University of Adelaide

Photo by Naomi Jellicoe, courtesy of *The Advertiser*

For more information about Science visit Open Day (Sunday 16 August).

www.adelaide.edu.au



PhD, Honours and Summer Scholarships available Gene technology for crops in a changing climate



Visit us as the University of Adelaide
Open Day Sunday 16 August
or on-line at www.acpfg.com.au



Outstanding teaching rewarded

Citations for outstanding contributions to student learning will be presented to University of Adelaide staff at a special ceremony this month.

The staff – individuals and teams of lecturers – will receive prestigious Australian Learning and Teaching Council (ALTC) Citations worth \$10,000.

These citations follow the recent award of an ALTC National Teaching Fellowship – one of only three in the country – to Professor Geoffrey Crisp, Director of the University's Centre for Learning and Professional Development.

The ALTC citations are awarded to academic and professional staff who have made long-standing contributions to the quality of student learning and improving the overall student experience.

University of Adelaide recipients are:

Dr Georges Baume – Business School: *For sustained commitment to excellence in the delivery of MBA courses to transnational postgraduate students, resulting in students' growth as confident critical thinkers and decision makers.*

Field Geology Teaching Team – Associate Professor Martin Hand, Dr Karin Barovich, Associate Professor Alan Collins, Professor John Foden, Dr Galen Halverson, Associate Professor Graham Heinson, Dr Steven Hill and Dr Andreas Schmidt-Mumm – School of Earth and Environmental Sciences (Geology and Geophysics): *For the creation of a*

community of practice that anchors field-based learning and develops an enduring sense of belonging and camaraderie between staff and students.

Ms Anne Hewitt, Mr Andrew Ligertwood, Ms Margaret Castles, Ms Cornelia Koch, Mr Matthew Stubbs – Law School: *For the development of a suite of law courses designed to facilitate student learning of legal theory by immersion in simulated legal practice.*

Professor Martin Lambert – School of Civil, Environmental and Mining Engineering: *For the sustained maintenance of a caring community of practice among water engineering students that enhances student learning through interactivity and facilitated discussion.*

Professor Anthony Pohl – School of Medicine (Orthopaedics and Trauma): *For sustained contribution to the education of medical students, enabling with enthusiasm and humour-enhanced learning and deeper insight into musculo-skeletal function.*

Dr Matthew Sorell – School of Electrical and Electronic Engineering: *For motivating students to participate in vibrant, interactive communities of practice that facilitate and support deep learning in the field of electronic engineering.*



"Innovations in teaching at the University of Adelaide are giving our students the best possible learning experience and chance to succeed in their chosen fields of study," said the Deputy Vice-Chancellor and Vice President (Academic), Professor Fred McDougall.

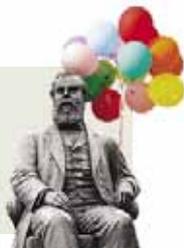
"These staff have been recognised nationally for their outstanding contributions to student learning and deserve the warmest congratulations."

Story by Robyn Mills

Photo by Randy Larcombe

For more information about teaching and learning visit Open Day (Sunday 16 August).

www.adelaide.edu.au



Art & Heritage Collections

One of the University of Adelaide's most distinguished scholars, Antarctic explorer, geologist and academic Sir Douglas Mawson (1882-1958) remains an inspiration to staff, students and the general public.

The University holds a significant collection of rocks and minerals that Mawson collected during his trips to Antarctica, and many more in Australia – specifically the Flinders Ranges. During his tenure Mawson identified the site for Australia's first uranium mine.

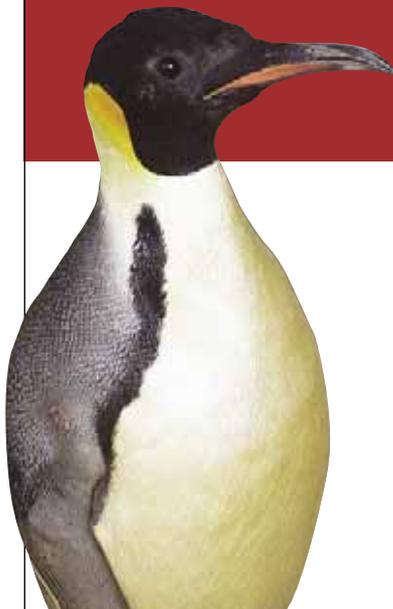
The Tate Museum in the University's Mawson Laboratories houses a select display of Antarctic material and Mawson memorabilia.

For Open Day 2009, we present to the public two unlikely specimens from the Museum, which predominantly focuses on rocks and minerals: an Emperor Penguin and an Adelle Penguin, and two splendid Frank Hurley photographs of these fascinating birds in the wild.

These will be on display during August in the foyer of the Barr Smith Library.

Mirna Heruc, Manager, Art & Heritage Collections

Left: Emperor Penguin, *Aptenodytes forsteri*



Researcher wins 7th teaching award

Civil engineer and lecturer Professor Holger Maier has won his seventh award for teaching excellence in as many years.

Professor Maier, from the School of Civil, Environmental and Mining Engineering, has won the ECMS Faculty Award for Excellence for Higher Degree by Research Supervision.

This latest award adds to his long list of teaching accolades in recent years, including the Carrick Award for Australian University Teaching in 2006 and the Stephen Cole the Elder Prize for Excellence in Teaching in 2002.

In 2006 Professor Maier also won a national award for teaching excellence from the Australasian Association for Engineering Education.

Professor Maier is renowned for his research and teaching in water resources and environmental engineering and has pioneered a number of innovative teaching approaches, including online role-play simulations.

Since 2006 he has been awarded more than \$1 million from industry and the Australian Research Council to improve the management of South Australia's water resources.

He is in the final stages of a \$600,000 project to develop an integrated approach to water resources in the South East of the State, focusing on flood protection, combating soil salinisation and increasing environmental flows to the region's 200 wetlands.

"This project is helping us to understand the interactions between surface water and groundwater, the ecological requirements of wetlands, and the impact of saline groundwater on soils and pasture," Professor Maier said.

He has co-authored more than 20 teaching publications and supervised 19 PhD students in the past seven years, as well as receiving teaching grants worth almost \$110,000 since 2006.

Professor Maier said he was focused on producing versatile graduates with



skills in critical thinking, problem solving, communication and teamwork.

"Online role-play simulations and face-to-face role-plays, as well as case studies, demonstrations, exercises and assessment activities that reflect real world situations, should be used in teaching.

"It is also vital to impart to students your enthusiasm, ideas and passion for your field of expertise because it motivates them and inspires them to learn."

One of Professor Maier's most successful and award-winning online learning tools is the Mekong e-Simulation, a role-play that typically involves between 60-140 engineering students who adopt the roles of stakeholders and respond to proposed development issues in the Mekong River basin of South-East Asia.

"This region provides an authentic, international setting for student interaction and gives them a better understanding of the complex decision-making processes involved in engineering projects," Professor Maier said.

"These online role-play simulations also meet the needs of our students who belong to the so-called Net Generation."

Creative classroom exercises have also helped students grasp difficult engineering concepts.

"By using fun activities that students can relate to in real life, you can explain some complex technical concepts in a very clear way."

Professor Maier said the learning environment must be challenging and supportive, demanding yet fair, for students to succeed.

"Students' chances of success and the depth of their learning are likely to be compromised if they are not interested in, or challenged, by the materials they are studying. On the other hand, lack of support and empathy during critical stages of the learning process will also weaken their will to succeed."

The Executive Director of the Environment Institute, Professor Mike Young, said Professor Maier's approach to research and teaching was critical to solving the complex problems in water resources and environmental engineering.

"To understand these issues and make headway, we need sophisticated tools to assist us, like those being developed by Professor Maier and his students," he said.

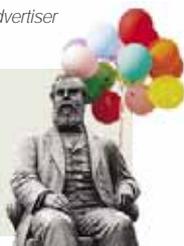
Story by Candy Gibson

Above: Associate Professor Holger Maier (right) with some of his students, Liam Harnett, Meredith Gee, and Brittany Coff (at front) on the banks of the Torrens River

Photo by Greg Adams, courtesy of *The Advertiser*

For more information about Engineering visit Open Day (Sunday 16 August).

www.adelaide.edu.au



Clown doctors, video games calm children before operations

A new study by University of Adelaide researchers, in collaboration with the Women's and Children's Hospital, has found several promising non-drug alternatives to giving "premeds" to children facing general anaesthetics.

Strategies found likely to be helpful in reducing children's anxiety include relaxation techniques for parents, including acupuncture, and, for the children, clown doctors, hypnotherapy, low sensory stimulation and hand-held video games.

The study, published in the *Cochrane Database of Systematic Reviews*, is the first systematic review to investigate whether non-drug interventions are helpful in alleviating stress in children undergoing general anaesthetics.

The study was carried out by researchers from the University's Australian Research Centre for Health of Women and Babies (ARCH), Dr Allan Cyna and Philippa Middleton, together with colleagues from Starship Children's Hospital, New Zealand, and Princess Margaret Hospital in Western Australia.

"Undergoing a general anaesthetic can be a frightening experience for a young child and distressing to parents," said lead researcher Dr Cyna, University Clinical Senior Lecturer and an anaesthetist with the Women's and Children's Hospital (WCH) Department of Paediatric Anaesthesia.

"Children can be given a 'premed' to sedate them when anaesthesia

is being administered, but these drugs can have unwanted harmful effects. Some non-drug alternatives have been tested to see if they could be used instead."

The researchers reviewed data from 17 trials worldwide that together involved nearly 1800 children. They concluded that a number of different interventions showed promise in increasing cooperation and reducing anxiety in children undergoing anaesthesia. In single studies, clown doctors, a quiet environment, video games and computer packages (but not music therapy) each showed benefits.

Eight studies found that the presence of parents did not help in alleviating anxiety or improving cooperation in their children.

"It is interesting that parental presence is often encouraged, even though it has not been shown to help," Dr Cyna said. "Based on our findings, we would recommend that parents do not need to stay for their child's anaesthetic unless they are keen to do so."

Further, the findings suggested that relaxation techniques targeted at parents merited further investigation.

One trial showed that children seemed to benefit when their parents were given acupuncture to reduce anxiety.

"Parental stress can be transmitted to the child," Dr Cyna said. "It is likely that parents who are relaxed are more likely to help their children stay calm during the administration of anaesthesia. Yoga, hypnosis and meditation may help parents relax and could be explored in future studies."

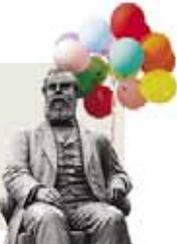
The researchers recommended further investigation of the effects of the promising non-drug interventions for children.

Story by Robyn Mills

Below: Helping reduce children's anxiety at the Women's and Children's Hospital are clown doctors Dr Heebie-Jeebie, Dr Yum-Yum, Dr Blot, Dr Tronic and Dr Phil Beta
Photo courtesy of the Humour Foundation:
www.humourfoundation.com.au

For more information about Health Sciences visit Open Day (Sunday 16 August).

www.adelaide.edu.au



Physics leader returns to Adelaide

The University of Adelaide will become a major centre for global research into nuclear and particle physics after winning a highly prestigious Australian Laureate Fellowship.

The Fellowship – one of only 15 awarded nationwide last month by the Australian Research Council (ARC) – has been awarded to internationally renowned physicist Professor Anthony Thomas.

Professor Thomas FAA is Chief Scientist and Associate Director for Theoretical and Computational Physics at Jefferson Lab, the US Department of Energy's Thomas Jefferson National Accelerator Facility in Virginia, USA.

He will return to the University of Adelaide later this year to take up the Fellowship and lead a new Research Centre for Complex Systems and the Structure of Matter.

Before taking his position at Jefferson Lab in 2004 he was Director of the University's ARC Special Research Centre for the Subatomic Structure of Matter and Elder Professor of Physics.

"We are tremendously excited to have this most eminent scientist rejoin us to pursue challenges at the frontiers of nuclear and particle physics and their interface with astrophysics; his appointment represents a significant boost to Australia's research

strength in the fundamental sciences," said the University of Adelaide's Deputy Vice-Chancellor (Research), Professor Mike Brooks.

"Professor Thomas will explore the structure of neutron stars and probe the nature of atomic nuclei. His world-leading research has already inspired major experimental programs at many of the world's nuclear and particle physics accelerators."

At Jefferson Lab, Professor Thomas has overall responsibility for the facility's scientific programs, ranging from experimental nuclear physics to photon science and theoretical and computational physics.

Professor Thomas also serves as Chair of the Working Group (WG.9) on International Cooperation in Nuclear Physics of the International Union of Pure and Applied Physics (IUPAP).

His many awards include the Harrie Massey Medal (UK Institute of Physics), the Thomas Ranken Lyle Medal (Australian Academy of Science) and the Walter Boas Medal (Australian Institute of Physics). He is a Fellow of the Australian Academy of Science, the Australian Institute of Physics, the UK Institute of Physics and the American Physical Society.

Professor Thomas said: "I am delighted to have this opportunity to return to Australia to begin a new chapter of scientific discovery in physics at the University of Adelaide. There is already an outstanding group of researchers there,



and the Laureate Fellowship offers the chance to expand the areas of research in new directions, from the structure of pulsars to dark matter, the quark and gluon structure of atomic nuclei and the origin of the mass and spin of the proton."

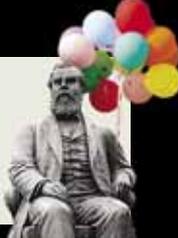
Story by Robyn Mills

Above: Professor Anthony Thomas

Below: An artist's impression of an exploding neutron star
Image by NASA/Dana Berry

For more information about Science visit Open Day (Sunday 16 August).

www.adelaide.edu.au



OPENDAY

THE UNIVERSITY OF ADELAIDE

SUN 16 AUGUST 2009 10AM-4PM

WHY COME TO UNIVERSITY? WHAT ARE WE DOING THAT'S EXCITING AND NEW? HOW DO WE MAKE AN IMPACT ON YOUR EVERYDAY LIFE?

Open Day 09 is an excellent opportunity for all members of the community to visit our beautiful North Terrace Campus and get to know what the University of Adelaide is all about.

No matter what your age or your interests, there's something for almost everyone.

 www.adelaide.edu.au 

ACTIVITIES & TALKS

Open Day is your window on the many opportunities for study at a leading Australian university.

Be sure to visit the Bonython Hall Expo where you can find out about what courses we offer, where they can lead you, and the wide range of services available to our students.

Our Faculties and Schools also have displays and talks that will bring to life the kinds of academic opportunities on offer.

General Talks

These provide useful information for any new and prospective students. Talks include:

- Applying to and Enrolling at Uni
- Undergraduate Scholarship Opportunities
- Beginners' Guide to University
- Accommodation Service: Live to Succeed
- Adelaide Abroad: Overseas Study as Part of Your Degree
- Mature Age Advice Session
- Adelaide University Union: Your Life on Campus

Faculty Talks

Each of the University's Faculties has organised a series of talks to specifically address the opportunities for study and where that can lead you.

Faculty Displays & Activities

From working with DNA to designing robots, from "rewiring" the human brain to creating computer animation – see what University of Adelaide students are doing and the wide-ranging educational opportunities we have available.





ENTERTAINMENT & FOOD

Open Day offers a variety of entertainment right across the campus, from the festival of short films, to music and food, sports and clubs demonstrations, drama and orchestra rehearsals. Entertainment includes:

Elder Conservatorium of Music performances

See music students in action at the Goodman Crescent Lawns and Barr Smith Library performances. Find out what it's like to be professionally trained at one of Australia's oldest and most distinguished specialist music institutions.

Theatre Guild performances

The University of Adelaide Theatre Guild in collaboration with students from the University's Creative Writing program present three short pieces of new work in the Barr Smith Library Reading Room.

Festival of Short Films

Life looks different thru a Gothic lens

Watch some fascinating stories told by young South Australian film-makers and see the winner of the 2009 University of Adelaide Short Film Competition.

The Forum

In The Forum, leading University researchers address big community issues that give members of the community the chance to interact, ask questions and have their say. *See page 14 for details.*

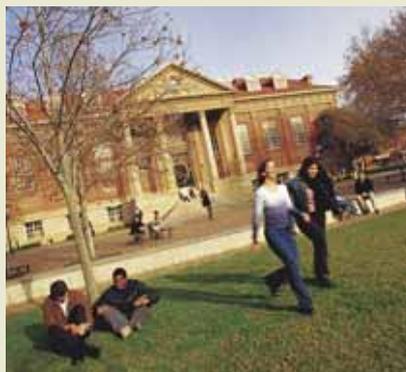
Adelaide University Union (AUU) + Clubs, Sports & Entertainment

Listen to live music, watch some demonstrations and check out the special interest clubs and sporting clubs.

BARR SMITH LIBRARY

The Barr Smith Library is South Australia's largest research library. On Open Day the Library will feature a range of art and cultural experiences.

Visitors are encouraged to visit one of the University's hidden treasures, the Barr Smith Reading Room, or come and see a 'Treasures Exhibition' of some of the Library's fine works held in the special and rare book collections.

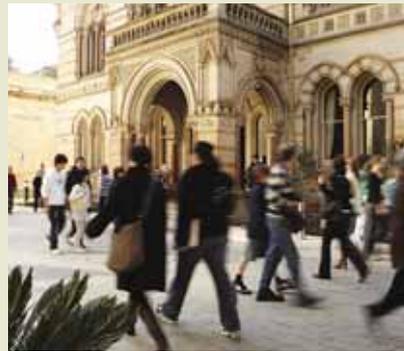


ART & HERITAGE

A program of events, activities, talks and exhibitions highlight the arts and cultural aspects of University life and academic disciplines.

Talks include artists Gilbert Roe, Peter Murdoch and Simone Kennedy discussing works in their latest exhibitions, or you can learn more about the University's Graduate Program in Art History and Curatorial & Museum Studies.

The University's Confucius Institute presents a performance of Classical Chinese Music by Zhao Liang, an accomplished player of the gu-zheng.



TOURS

There are tours to suit just about everyone's taste – art and heritage tours, general campus tours, tours of laboratories and accommodation facilities, and even self-guided tours, including:

Campus tours

Campus tours allow you to become familiar with the University grounds. The tour will guide you through some of the original University buildings, provide insight into some of the most modern labs and show you areas of general interest.

Mitchell Building tours

Visit the University's oldest building. Situated next to the Art Gallery of South Australia, the Mitchell Building was first occupied in 1882 and housed the entire University in its infancy.

Public Art and Heritage tours

Join a tour of the University's many State heritage-listed buildings.

Museum of Classical Archaeology

Take a guided tour and explore the ancient treasures on display.

Tate Museum

The Tate Museum collection includes minerals, rocks, fossils and specimens that illustrate geological phenomena, including specimens collected by Sir Douglas Mawson.

For full details of all activities on Open Day, pick up an Open Day program on Sunday 16 August or visit the website: www.adelaide.edu.au/penday



THE FORUM

LIFE'S END RIGHTS AND RESPONSIBILITIES

In this special Open Day event, you'll be given the opportunity to join four eminent University of Adelaide researchers in an exploration of one of the most passionately debated issues of our time – euthanasia.

Open discussion will be preceded by comprehensive presentations on four key perspectives as they apply in SA: legal, psychiatric, palliative care and ethical.

All major issues will be addressed, including the distinction between active and passive euthanasia, the "dilemma of definition", the "doctrine of double-effect" and varying international experiences. Everyday realities for families and carers will also be considered, as will the balance between self-determination and social cohesion.

If this issue affects or interests you in any way, this is an event not to be missed.

WHEN:

1.00pm – 2.00pm Sunday 16 August

WHERE:

Rm G04 Napier Building, North Terrace Campus

ADMISSION:

Free – limited seating

MASTER OF CEREMONIES

Mr Martyn Evans
Director, Community Engagement



THE SPEAKERS

Mrs Bernadette Richards
Senior Lecturer, Law School



Emeritus Professor Bob Goldney
Former Head, Discipline of Psychiatry



Dr Greg Crawford
Mary Potter Senior Lecturer in
Palliative Medicine



Dr Annette Braunack-Mayer
Associate Professor in Ethics,
Discipline of Public Health
Postgraduate Coordinator, School of
Population Health and Clinical Practice



OPENDAY
THE UNIVERSITY
OF ADELAIDE



THE UNIVERSITY
OF ADELAIDE
AUSTRALIA

Get the edge by studying abroad

A growing number of University of Adelaide students are seeking the "international experience" to give them an edge in the global job market.

This year, about 211 students are taking the opportunity to live and learn overseas via the Adelaide Abroad program offered by the University, gaining credit towards their degree at the same time.

The University offers students the chance to trade places with their peers at prestige universities in Europe, the United States, Canada, Asia and the Pacific.

Coordinator of the Adelaide Abroad program Paula Ritchie said interest in the program had skyrocketed in the past four years, with numbers more than doubling in that time.

The program is suitable for full-time students who have completed at least one year of their degree and want to spend one or two semesters overseas.

Most of the University's partner institutions offer courses in English,

although 21-year-old Jade Cooper seized the opportunity to improve her Japanese in a year-long exchange at Kansai University in Osaka.

The fourth-year Law and International Studies student said the program had given her an insight into another culture, language and people that would not have been possible from a short visit.

"This exchange has inspired me to explore beyond Adelaide and Australia and to apply for internships and employment overseas when I graduate. We are citizens of an increasingly global community and I have no doubt these exchanges give new graduates a competitive edge," she said.

"Academically, I now have a more rounded appreciation of international relations and studying a language turned from a subject into a way of life," Jade said. "Studying abroad has also made me appreciate the value of a university education far more."

Tuition fees are waived for each exchange institution for incoming students, although all other costs are the student's responsibility. Students can expect to pay up to \$2000 a month while living and studying overseas. They can apply for an OS-HELP loan of up to \$5523 to help cover expenses such as

accommodation and airfares. From 2010, the Federal Government will also remove the 20% fee payable on the loan.

University of Adelaide Aerospace Engineering and Commerce student Daniel Ali spent a semester at Purdue University in Indiana in 2008.

"I wanted to see more of the world and was intrigued by the US because we see a fairly stereotypical view of it via the mass media," Daniel said.

"I wasn't sure what to expect and although it was a culture shock, the experience was fantastic," he said.

"I made a lot of new friendships with people from a diversity of backgrounds and thanks to the Internet, have been able to keep in contact with all of them.

"My time abroad also gave me the opportunity to study some specialised subjects in aerospace engineering that are not available in Adelaide," he said.

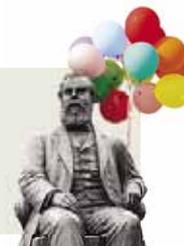
Daniel said he believed the experiences he gained through his study exchange program would give him the edge in the job market when it came to graduating.

For more information on the program visit: www.adelaide.edu.au/student/study_abroad

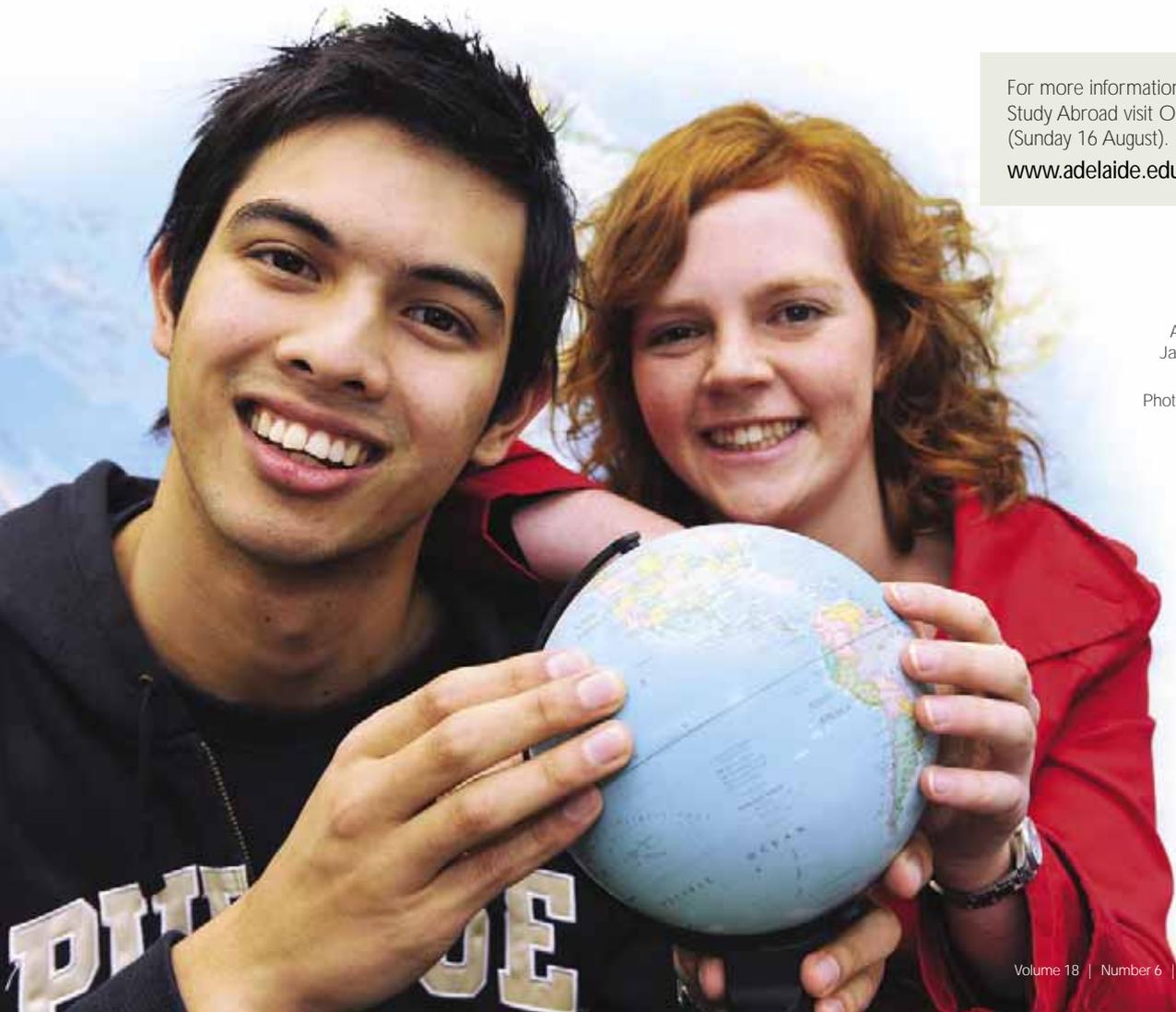
Story by Candy Gibson

For more information about Study Abroad visit Open Day (Sunday 16 August).

www.adelaide.edu.au



Adelaide students Daniel Ali and Jade Cooper know the benefits of studying overseas
Photo by Campbell Brodie, courtesy of *The Advertiser*



Hi-tech educators attract Apple's eye

Two University of Adelaide staff have been recognised by the multinational computer and software company Apple as leaders in the educational use of digital technology.

Mr Allan Carrington and Dr Ian Green have been invited by Apple to join a select group of professionals from around the globe, known as Apple Distinguished Educators (ADEs), who have expertise in digital education.

Admission to the ADE program is recognition for work that integrates technology into curricula and learning environments in meaningful and innovative ways.

Members of the program have unique professional development opportunities. They engage with each other and with the company on experiences, projects and ideas, and in turn Apple provides ADE members with knowledge of its technologies and solutions.

Mr Carrington is a Learning Designer with the University's Centre for Learning and Professional Development, while Dr Green runs the Career Researcher programs in the University's Graduate Centre.

Both are known within education circles for their work involving podcasts of interviews from various higher education conferences. Their use of technology fits well within Apple's ideal of professionals "committed to the

promise of educational technology in the classroom and beyond".

Both Dr Green and Mr Carrington said they were honoured to become Apple Distinguished Educators.

"Educators who are part of the Apple Learning Interchange represent a community of people who think outside the box and are leading on the issues of improving student 'Interaction, Relevance and Engagement'," Mr Carrington said.

"Being ADEs will help us collaborate with and contribute to a creative educational professional community and improve learning and teaching at the University of Adelaide."

Dr Green's work at the University involves researcher education, while Mr Carrington's work is in "learning with technology".

"In our day-to-day jobs, Allan and I are both vitally interested in the setting up of dynamic online communities which have effective and user-friendly collaborative tools, and which not only disseminate knowledge but proactively seek to build new knowledges," Dr Green said.

"This is really what much of our podcasting work has been about – not just promoting and broadcasting topics of interest to higher education researchers and teachers, but the creation of ongoing dialogue about, and refinement of, those topics.

"To quote the tag line that we use in our podcast programs, it helps us understand how we can 'extend the wisdom' to the wider higher education community."

Mr Carrington said: "Having networked with educators using the Apple platform for more than 15 years, I've found them to be highly innovative, 'passionate for positive learning outcomes' sort of people.

"Apple's digital hub philosophy empowers educators to create engaging learning objects that can have e-assessment embedded in them, and they can align themselves better to the way the next generation is learning.

"This has relevance to all learners, too. Sometimes digital systems are thought to be only important for off-campus students, but these new developments are also radically transforming the whole nature of face-to-face learning and teaching.

"Being ADEs gives us access to the 'best of the best' of educators pushing the envelope with this sort of curriculum development. The outcomes from this collaboration could be very beneficial here at the University."

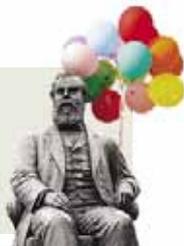
Story by David Ellis

Below (from left): Apple Distinguished Educators Allan Carrington and Dr Ian Green

Photo by David Ellis

For more information about teaching and learning visit Open Day (Sunday 16 August).

www.adelaide.edu.au





Arts has real-world connection

Who says Arts students don't get hands-on experience?

Thanks to the University of Adelaide's Arts Internship Scheme, students such as Helen Chadwick have the opportunity to gain real experience in a workplace of their choice.

As part of the Arts Internship, 20-year-old Helen – a History student – has been selected as an intern to the Manager/Curator of historic Ayers House Museum, Elspeth Grant.

"As part of the scheme, students are placed with business and government organisations for one day a week in their final semester of study. The aim is to research and write a report useful to the host organisation," said the Registrar of the Faculty of Humanities & Social Sciences, Robert Ewers.

"The report counts towards the students' final results and gives them useful experience in the real world. It also provides contacts for the students to find employment once they've graduated, and in some instances, before they graduate."

During her internship this semester, Helen will be investigating the history of Ayers House from the 1920s until the 1960s.

"I'm hoping to work for a museum or gallery once I've finished my studies,

so this is a perfect opportunity to gain some experience in a museum setting," Helen said.

"I like the fact that this work contributes to my studies – it will help me develop some practical skills and knowledge, but it will also help me academically too."

Ms Grant said that apart from being home to the Ayers family in the mid to late 1800s, Ayers House – at 288 North Terrace, Adelaide – was also used for a variety of interesting purposes during the 20th century.

"Helen's research project will build on Robyn Taylor's 1997 thesis *A History of Ayers House: Its Users and Uses* by conducting an oral history project with nurses who were accommodated and/or trained at the House from 1926 to 1969," Ms Grant said.

"As time marches on, it is important to capture the women's stories and memorabilia about the hard work of being a nurse in training and also letting their hair down. For example, there are some interesting tales about nights spent at the Palais Dance Hall, which was once next door to the House."

The project will contribute to the State Library of South Australia's JD Somerville Oral History Collection.

"The aim of the project overall is to increase knowledge of 20th century uses of Ayers House. Helen's research may form the basis of an exhibition about this period

in the House's history and/or a display to be erected at a reunion of nurses at the House.

"At the end of the semester, Helen will give an oral presentation at Ayers House, with members of the Ayers House Advisory Committee, Museum volunteers and National Trust members invited to attend. This will be an excellent experience for Helen at such an early stage in her professional development.

"The National Trust greatly appreciates this opportunity to work with Helen and the University of Adelaide," Ms Grant said.

For information about the Arts Internship Scheme, call +61 8 8303 5245 or visit: www.hss.adelaide.edu.au/internships

For information about Ayers House Museum, visit: www.ayershousemuseum.org.au

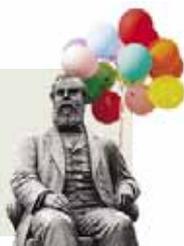
Story by Amanda Phillis and David Ellis

Above (from left): History student and Arts Intern Helen Chadwick with the Manager/Curator of Ayers House Museum, Elspeth Grant

Photo by David Ellis

For more information about Humanities & Social Sciences visit Open Day (Sunday 16 August).

www.adelaide.edu.au



New life for Adelaide's kelp forests

Leading scientists from the University of Adelaide believe kelp forests along the Adelaide metropolitan coastline – once considered to be declining due to human activity – will be brought back to life thanks to the State Government's new water initiatives.



The scientists, led by Associate Professor Sean Connell, have been working with the Department for Environment and Heritage (DEH) to better understand the effects of nutrients and sediment discharge on kelp forests around the southern coast of Australia.

Patricia von Baumgarten, Principal Marine Policy Adviser with DEH, said this was a good example of how scientists and policy makers were working together for the benefit of the environment.

"Both stormwater and wastewater discharge has directly led to the loss of iconic kelp forests, which are important habitats for fish and other marine organisms," she said.

"The loss of kelp forests has implications for the whole marine food chain in the Gulf St Vincent.

"However, with the release of the 'Water for Good' plan and the development of the Adelaide Coastal Water Quality Improvement Plan, scientists believe that these new initiatives will improve the health of the Gulf and encourage the return of the kelp forests."

Associate Professor Connell said scientists initially noticed the decline in kelp in the 1990s, and predicted that the problem would be exacerbated by global warming as ocean water began to acidify.

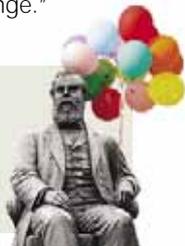
"Recent research has shown that water in the Gulf has started to improve due to a number of factors, including initiatives from wastewater treatment," said Associate Professor Connell, from the University's School of Earth and Environmental Sciences.

"Further improvements in water quality are expected through achieving the targets of the Adelaide Coastal Waters Study and the Adelaide and Mount Lofty Ranges Regional Natural Resource Management Plan.

"More specifically, if nutrient levels in the water are sufficiently reduced through such initiatives, research suggests that healthy kelp forests can re-establish and be maintained even in the face of climate change."

For more information about Science visit Open Day (Sunday 16 August).

www.adelaide.edu.au



New graduate? You can win!

Bachelor of Health Science 2008 graduate Natasha Brown (pictured) can finally retire her 10-year-old PC desktop computer after winning a sleek 17" MacBook Pro notebook valued at \$4500.

The 23-year-old took delivery of her Mac last month after winning a University of Adelaide draw, open to all new graduates who complete the annual Australian Graduate Survey in the given time.

The national survey gives all recent university graduates the opportunity to give feedback on their study experience, which helps inform national education policy and initiatives.

In the past four years the University has offered new graduates the opportunity to win a number of prizes, including Vespa scooters, Mac notebooks, iPods and a travel voucher.

For more information on the Australian Graduate Survey and prizes on offer, go to: www.adelaide.edu.au/sp/gdsceq_lottery

Story and photo by Candy Gibson





Calling all alumni

Alumni from around Australia and overseas are encouraged to attend the University of Adelaide's first Alumni Forum.

To be held next month over two mornings (4-5 September), the event will feature a mix of sessions, speaker panels and social events – all aimed at enhancing the relationship between the University, its graduates, staff and students.

Hosted by Development and Alumni, the forum is aimed at any student, staff (former or current) or graduate who has an interest in alumni relations.

In line with the University's Alumni Relations Strategic Plan, alumni forums will be held every two years to:

- Provide information on alumni trends and innovative programming;
- Showcase best practice in alumni programming;
- Provide opportunities for alumni to give feedback to the University of Adelaide on its Alumni Relations Strategic Plan;
- Provide opportunities for interaction between graduates, University staff and students;
- Highlight current achievements and future developments at the University of Adelaide;
- Increase the profile of the University through a prominent alumni speaker series.

The Vice-Chancellor and President of the University of Adelaide, Professor James McWha, will be joined by other senior University managers to outline their views on the role of alumni.

Many of the sessions will involve a panel of speakers and each session will provide an opportunity for alumni to ask questions and share their own experiences. A social program, including University tours and a winery tour, is also on the agenda.

Distinguished alumnus Dr Cheong Choong Kong, Chairman of the OCBC (Singapore), and former CEO of Singapore Airlines, will speak at the Alumni Gala Dinner on Friday 4 September as part of this year's prominent alumni speaker series.

Dr Cheong has played a significant role in shaping the corporate world in Singapore. He also takes on other quite different roles – acting in TV sitcoms and movies. How he combines these two fascinating worlds will be a focus of his address.

To support student participation, sponsored places are available for University of Adelaide students to attend the morning sessions and lunches associated with the Forum.

For more information, including the full program, registration, and student sponsorship information, visit: www.alumni.adelaide.edu.au/forum or call Development and Alumni on +61 8 8303 5800.

Story by Kim Harvey

Photo by Randy Larcombe

For more information about Development and Alumni visit Open Day (Sunday 16 August).

www.adelaide.edu.au



Alumni

MEMBERSHIP

Adelaide alumni have access to a range of exclusive benefits, services and discounts – and each month we bring you the pick of the bunch for a featured special.



Special Offer of the Month: Haigh's Chocolates

Alumni have the chance to go in the running to win a \$100 Haigh's chocolate hamper and enjoy a selection of their premium range of mouth-watering chocolates.

The name Haigh's has been synonymous with fine chocolates since 1915. They are proud to be the oldest family-owned chocolate manufacturing retailer in Australia.

Their product range varies from tablets of pure chocolate to hand-dipped truffles and presentation boxes. The most popular items include chocolate frogs, apricot fruits, champagne and sparkling shiraz truffles, and the Australian Collection.

Haigh's are pleased to be in partnership with the University of Adelaide to provide this special competition to alumni – drawn 31 August, so get in quick!

For details on how to enter, and check out the full Alumni Privileges Package, logon to: www.alumni.adelaide.edu.au/privileges



Oral health centre opens up on disease

Australia's premier research centre for all aspects of oral health will be established at the University of Adelaide thanks to a \$2.4 million Federal Government grant.



The new Centre of Clinical Research Excellence (CCRE) for Oral Health – part of the University's School of Dentistry – is being funded by the National Health and Medical Research Council (NHMRC).

The CCRE Oral Health is the first research centre of its kind in Australia to focus on all aspects of oral health research and its relationship with the broader health problems that are made worse by poor oral health.

"The centre brings together a broad range of researchers with the aim of leading improvements in health outcomes for the community," said Professor Mark Bartold, Co-Director of the new centre.

"Past research has focused on dental treatments to repair the damage caused by decay and periodontal disease, as well as the prevention of such diseases. But there has been a lack of research on the role of dental health in people's overall well-being. A key focus for this new centre will

be to investigate the interaction between systemic health and oral disease.

"By researching oral health treatments that assist in the management of other diseases, we want to help patients as a whole. In this way, oral health treatments will be able to contribute to the management of patients' other general health conditions, such as cardiovascular disease, pulmonary/respiratory disease, diabetes and arthritis, which are all exacerbated by poor oral health," he said.

Other key research areas for the CCRE Oral Health include:

- Parental guidance and long-term oral health;
- Improving dental treatment in Aboriginal children;
- Genetic factors in dental development disorders;
- Predicting and reducing mucosal toxicity during chemotherapy;

- Use of stem cells in periodontal regeneration.

Professor Bartold said the CCRE would also have major benefits for students and early career researchers.

"With this new centre, we now have the opportunity to engage more PhD students and postdoctoral fellows in our work. This will be significant both in terms of postgraduate training as well as significantly increasing our research output," Professor Bartold said.

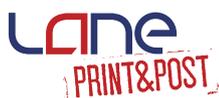
Story by David Ellis
Photo by Shutterstock

For more information about Health Sciences visit Open Day (Sunday 16 August).

www.adelaide.edu.au



Print & Post quality clean fast



South Australia's largest privately owned dedicated Printing, Mailing and Distribution Company.

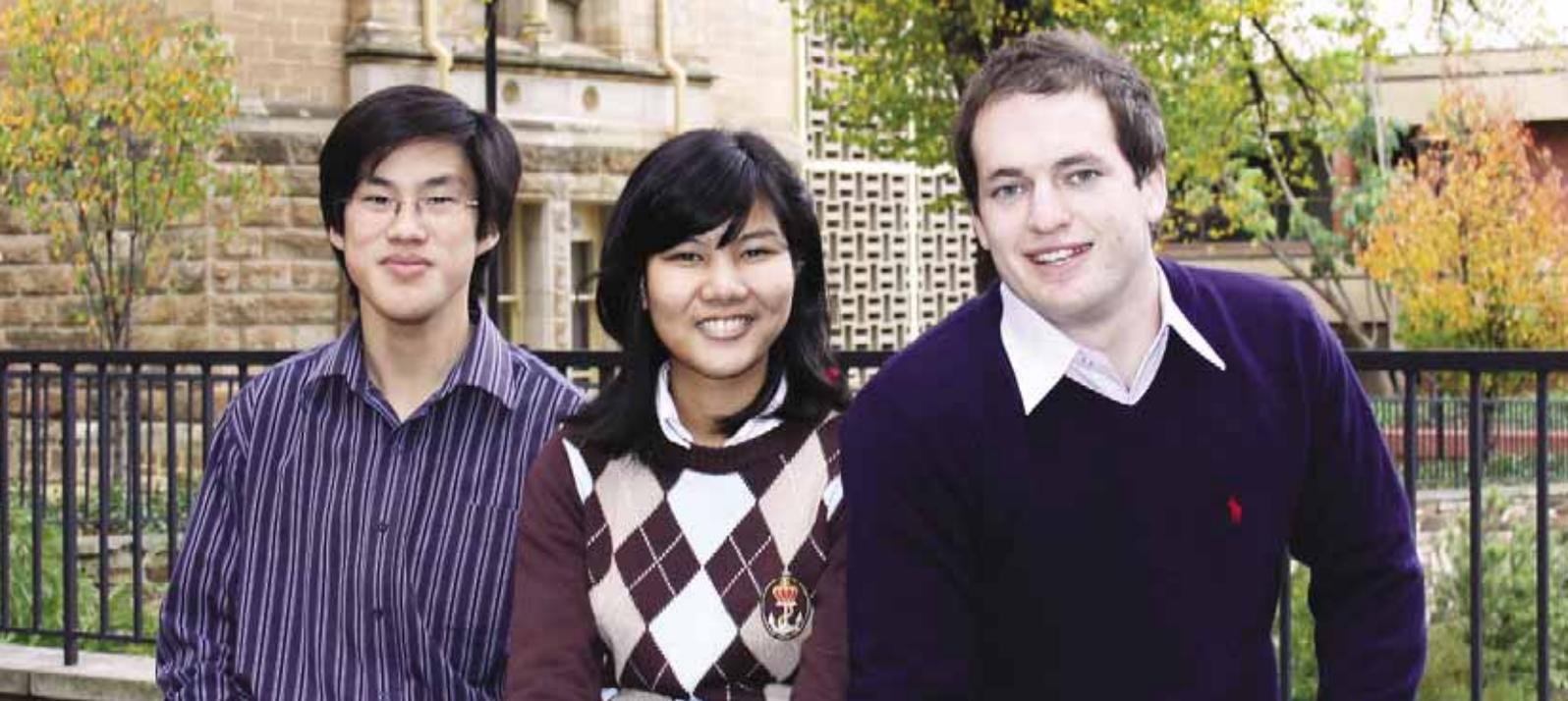
CALL 08 8179 9900 and speak to an Account Manager about your next print project. www.laneprint.com.au



Our commitment to the environment

Lane Print & Post is committed to the care and protection of the environment. We have long been certified to world's best practice standards ISO9001:2000 and are in the process of conforming to ISO14001:2004 Environmental Management Systems Certification.

- ✓ sustainable offset paper products
- ✓ ctp water saving technology
- ✓ 55% less energy use through perfecting printing
- ✓ vegetable based inks
- ✓ varnish free print
- ✓ 100% degradable food grade mailing plastic
- ✓ full plant recycling
- ✓ personal ownership and staff commitment to the environment



Students sought for overseas experience

University of Adelaide students have the chance to work in some of the most exotic locations in the world next summer, helping to build their leadership skills while serving a worthwhile cause.

Thirty students are being sought for three-month internships focusing on community development projects in India, the Middle East and Eastern Europe.

The offer is being made by the world's largest student-run organisation, AIESEC, which is active in more than 1700 universities in 107 countries.

The University of Adelaide Chapter is now in its 35th year and is one of Australia's most successful.

AIESEC Adelaide Communications Director Graigan Panosot will launch a campaign next month to attract students interested in an internship overseas.

"The students can expect to be involved in educational and community development projects in places like India, Egypt, Morocco, Turkey, Jordan, Russia, Ukraine, Poland, Romania and the Czech Republic," Graigan said.

The third-year Civil and Environmental Engineering student is one of about 65 members of AIESEC at the University of Adelaide.

He helps to coordinate a program of overseas internships as well as local events and seminars, which collectively help students to develop their leadership potential and bridge the gap across cultures.

From its beginnings in post-war Europe in 1948, AIESEC has fostered international relations via an exchange of skills and knowledge.

A global network of companies and organisations has partnered with AIESEC, linking business with higher education. The program targets new graduates seeking up to 18 months' experience working in a foreign country, or undergraduate students looking for short-term internships in their summer breaks.

University of Adelaide student Rowan Gill spent last summer in Shanghai, complementing his Economics and International Studies double degree with a marketing internship in China's most populous city.

He is now a member of AIESEC's Corporate Relations team, helping to build partnerships between AIESEC at the University of Adelaide and the corporate community.

"I was living in a city of 20 million people, helping a small company launch a website that promoted online teaching resources," Rowan said. "It was a real challenge but the support from AIESEC makes it all worthwhile."

AIESEC charges University of Adelaide students and new graduates an administration fee of \$550 to place them in an overseas company for a given period. This fee also covers logistical assistance with their visas, as well as facilitating a network of contacts for accommodation and social needs. Students pay their own airfares and may receive a wage in return that is consistent with their skills and qualifications.

On the flip side, Adelaide companies seeking to fill skills shortages can make use of AIESEC's international network to recruit overseas graduates and/or students.

The Institute for International Trade (IIT) at the University of Adelaide has just hired a 23-year-old economics graduate from Jakarta as part of the AIESEC Global Exchange Program.

Isya Hanum started her six-month internship with IIT last month, working as a trade policy analyst.

A graduate of Universitas Indonesia, Isya has already directed a community development project in Indonesia focused on giving disadvantaged children access to information and communication technology.

"The job description from the Institute was closely aligned with the career path I was interested in and I couldn't pass up an opportunity to work and live in Australia," Isya said.

Aside from overseas internships, AIESEC organises leadership and development seminars for its members.

Earlier this year the University of Adelaide Chapter also hosted the national conference in Adelaide, attracting about 150 delegates.

For more details about AIESEC and the overseas internships on offer for next summer, visit: www.aiesecsa.com/adelaide

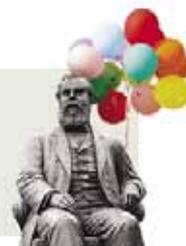
Story by Candy Gibson

Above: Students and graduates involved in the AIESEC Global Exchange Program (from left): Graigan Panosot, Isya Hanum and Rowan Gill

Photo by Candy Gibson

For more information about graduate opportunities visit Open Day (Sunday 16 August).

www.adelaide.edu.au





From *Disgrace* to cinema success

The film version of a Booker prize-winning novel written by J.M. Coetzee is receiving praise from critics around the world.

Set in post-apartheid South Africa, *Disgrace* sees Professor David Lurie's life fall apart after he has an impulsive affair with one of his students. When he's forced to resign from his university, he escapes to

his daughter's farm. Their relationship is tested when they both become victims of a vicious attack.

Disgrace, published in 1999, is one of Professor Coetzee's two Booker prize-winning novels. A Visiting Professor of Humanities at the University of Adelaide, Coetzee was awarded the Nobel Prize in Literature for 2003.

The film has been adapted by screenwriter Anna Maria-Monticelli and

director Steve Jacobs. It stars John Malkovich and Jessica Haines.

Disgrace won the International Critics' Award at the 2008 Toronto International Film Festival and is currently showing at Australian cinemas.

Above: John Malkovich and Jessica Haines in the film adaptation of J.M Coetzee's *Disgrace*

Photo courtesy of Icon Film Distribution



Radio Adelaide

101.5 FM

radio.adelaide.edu.au



LIVE
MUSIC
FEST '09

September 7-12



Subscribe to Radio Adelaide in August

annual - \$52 or \$26 concession
lifetime - \$500

and you'll go into the draw to win

4 x season tickets to the whole Adelaide concert season of Selby and Friends across 2010

Valued at over \$800



www.selbyandfriends.com.au

Hear it 5:30pm weekdays
and repeated 6am
Tues – Fri the following day



independent current affairs on
community radio around Australia

produced in association with 2SER & 4EB



No dramas about acting

Students who give up drama to study other subjects at university don't need to completely abandon their enjoyment of the theatre.

That's the message from students and staff involved with the University of Adelaide Theatre Guild.

For more than 70 years, the Guild has played an important role in the broader cultural life of the University and the city of Adelaide.

With four productions a year, students, graduates, staff and members of the community can become involved at all levels, both on the stage and behind the scenes.

In its latest production for the 2009 season, the Guild will present Shakespeare's *Richard II* (8-22 August).

Depicting the struggle between English king Richard II and his cousin, Henry Bolingbroke (the future Henry IV), Shakespeare's play details the fundamental clash between the right of the king to rule and the right of the kingdom to be ruled well.

Directed by Harry Dewar and starring Graham Self as Richard II and Russell Slater as Bolingbroke, the production also features a number of University of Adelaide students among the cast.

These include Science and Arts student Josh Coldwell, who plays Henry 'Hotspur'

Percy, one of the rebels against the king, and International Studies, Media and French student John Dexter, who plays the Duke of Aumerle, one of those faithful to the king.

Josh, 19, from Nairne, completed Year 12 Drama at Oakbank Area School and has been acting in amateur productions for a number of years.

"When I read *Richard II* I really enjoyed it. Unlike a lot of Shakespeare's other plays, it's not as clear cut in this as to who's good and who's bad," Josh said.

Josh said he remained keen on drama performance. "It's a good release," he said. "It gets you to use a different part of your brain. If you're doing the same thing all the time, it can get a bit unhealthy."

John, 20, from Heathfield, agreed that drama provided a balance to academic pursuits. Having won a scholarship for Year 12 Drama at Scotch College, John sought out the Theatre Guild after his first year of university studies.

"I love acting because I love inhabiting a story, seeing things from a different perspective," he said. "It's very good for getting rid of stress and keeping you sharp. Even though I'm not studying drama anymore, it feels great to be able to keep acting."

Also joining the cast is a familiar face among Theatre Guild followers: two-time former Chair of the Guild and University of Adelaide staff member John Edge. His first Guild performance was 40 years ago – also in *Richard II* – just after he had graduated from the University with Honours in English.

Forty years ago he played the role of Sir Henry Green. This month, he will play John of Gaunt, Bolingbroke's father.

"I believe there is self-evident value in working in theatre – you are individuals working towards the benefit of the group, which is the production. There's great value in what you learn from that. The Guild has provided this opportunity for students, staff and many others over the years, while maintaining a tradition of campus-based theatre," Mr Edge said.

Richard II opens Saturday 8 August, then Tuesday to Saturday 11-15 and 18-22 August at 7.30pm in the Little Theatre, North Terrace Campus.

Tickets: \$25 full/ \$20 concession; Tuesday performances are \$15 for current University of Adelaide students and staff.

Tickets available from the Theatre Guild on +61 8 8303 5999 (fee applies for credit card bookings), from BASS on 131 246 (booking fee applies), or online.

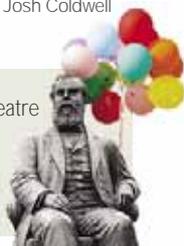
For full details, visit:
www.adelaide.edu.au/theatreguild

Story by David Ellis

Above (from left): University of Adelaide staff member John Edge with students John Dexter and Josh Coldwell
Photo by David Ellis

For more information about the Theatre Guild – and to see performances – visit Open Day (Sunday 16 August).

www.adelaide.edu.au





Research Tuesdays

SHARING GREAT RESEARCH
WITH THE COMMUNITY



The Restless Flycatcher
Photo by Lynn Pedler

Where have the birds gone?

Why replacing our native habitat is vital to saving species from extinction

The Mt Lofty Ranges is not the haven for wildlife you might assume it to be. In contrast to Adelaide's leafy image, less than 10% of our original native vegetation remains.

In fact, the Mt Lofty region is listed as one of Australia's 10 "Biodiversity Hotspots". Around half of the area's native bird species now face regional extinction.

Massive re-establishment of natural woodland habitats is desperately needed – and fast – if we're to save these species. That, of course, requires a clear plan, world-class research and significant ongoing funding.

Associate Professor David Paton will explain how our precious species could be saved from extinction, and what it would take to get it right.

WHEN: 5.30pm-6.30pm Tuesday 11 August

WHERE: Lecture Room G04 (Ground Floor)
Napier Building, North Terrace Campus

ADMISSION FREE, RSVP ESSENTIAL
email: research.tuesdays@adelaide.edu.au
phone: +61 8 8303 3692

FOR MORE INFORMATION:
www.adelaide.edu.au/researchtuesdays

David C. Paton AM is currently Head of the Discipline of Ecology and Evolutionary Biology at the University of Adelaide. He was a recipient of the Premier's Science Award for Excellence in 2006 and was appointed a Member in the General Division of the Order of Australia for service to conservation, education and the environment in 2008.

Barr Smith Library – Annual Book Sale

Pre-loved books on a broad range of subjects.

When: 9.00am–5.00pm Monday 3 August and Tuesday 4 August

Where: Ira Raymond Room, Barr Smith Library, North Terrace Campus

Cost: Most books sold for just \$2

Contact: Margaret Hosking, Book Resources Librarian, email: library-brl@adelaide.edu.au, or phone +61 8 8303 5285

School of Agriculture, Food & Wine Seminar Series: The Harold Woolhouse Lecture 2009

Evolution of patterning genes in land plants by Professor John Bowman (ARC Federation Fellow, Monash University/University of California Davis).

http://agwine.adelaide.edu.au/news_events/seminars

When: 4.00pm Monday 3 August

Where: Plant Research Centre Auditorium, Waite Campus

Cost: Free – all welcome

Fridays Uncorked '09

www.wineaustralia.com.au

When: 4.30pm Friday 7 August and Friday 21 August

Where: National Wine Centre of Australia, corner of Hackney and Botanic Roads, Adelaide

Cost: free entry including cocktail food. Wine from \$4.50 per glass.

Theatre Guild: *Richard II* by William Shakespeare

www.adelaide.edu.au/theatreguild

When: 7.30pm Saturday 8 August, Tuesday to Saturday 11-15 and Tuesday to Saturday 18-22 August

Where: Little Theatre, North Terrace Campus

Cost: \$25 full, \$20 concession; \$15 current University of Adelaide staff & students on Tuesday performances (see website for further details)

Bookings: Call the Theatre Guild on +61 8 8303 5999 or visit the website

Music: Masterclass series

Masterclass 3: New York jazz maestro Ray Vega.

www.elderhall.adelaide.edu.au

When: 1.00pm–3.00pm Wednesday 12 August

Where: Elder Hall, North Terrace Campus

Cost: \$10

Contact: Claire Oremland +61 8 8303 5925

School of Architecture 2009 Speaker Series

Guest speaker: Melbourne-based, internationally renowned artist Callum Morton.

www.architecture.adelaide.edu.au

When: 6.00pm Wednesday 12 August

Where: Flentje Lecture Theatre, North Terrace Campus

Cost: Free – all welcome

National Science Week (15–23 August)

Australia's largest national festival. Events include:

Science Alive! – a free community event Saturday 8 and Sunday 9 August, Wayville Showgrounds

The Physics of Star Trek with renowned physicist Lawrence Krauss 7.00pm Friday 21 August, University of Adelaide

Curious Science – find out what the young minds of science are thinking 11.00am, 11.30am, 1.00pm and 1.30pm Sunday 23 August, SA Museum

www.scienceweek.gov.au
www.samuseum.sa.gov.au

Music: Evenings at Elder Hall

Porgy And Bess – Ray Vega with the Elder Conservatorium Jazz Orchestra
www.elderhall.adelaide.edu.au

When: 6.30pm Saturday 15 August

Where: Elder Hall, North Terrace Campus

Cost: \$25 adult, \$20 concession, \$15 student

Contact: For more information call the Concert Office on +61 8 8303 5925.

Classical Association SA Public Lecture Series: Inaugural Henry Darnley Naylor Memorial Lecture

Censorship: Ovid and free speech in Augustine's Rome by Peter Davies (Emeritus Associate Professor, University of Tasmania, Visiting Research Fellow, University of Adelaide)

When: 8.00pm Monday 24 August

Where: Council Room, Level 7, Hughes Building

Cost: Free

Exhibition: 50 Years of Design Teaching

A special exhibition by the University's School of Architecture, Landscape Architecture & Urban Design.
www.architecture.adelaide.edu.au

When: 9.00am–5.00pm Thursday 27 August to Tuesday 2 September

Where: Function Room 1 & 2, Art Gallery of South Australia, North Terrace, Adelaide

Cost: Free – all welcome

Friends of the University of Adelaide Library

Author David Malouf on *A Body of Work – the making of it*. Malouf will consider his new book *Ransom* with reference to the development of his work as a whole.

When: 6.00pm for 6.30pm Thursday 27 August

Where: Union Hall, North Terrace Campus

Cost: Free – all welcome. Gold coin donation invited.

Contact: by Tuesday 25 August on +61 8 8303 4064 or robina.weir@adelaide.edu.au

Scott Theatre matinee – a play of Socrates

The Discipline of Classics at the University of Adelaide has sponsored the staging of a play about Socrates, as seen through the eyes of the Polish playwright Jerzy Zawieyski (1902-1969).

www.members.optusnet.com.au/amanson2

When: 2.00pm Sunday 30 August

Where: Scott Theatre, North Terrace Campus

Cost: \$15

Bookings: call Anna on +61 8 7225 2627 or 0412 637 261