

# campus news

## University of Wollongong



### Gilchrist puts hands up for medical research



Adam Gilchrist celebrates in front of delighted spectators after he caught a six hit into the crowd in the University Oval stand. *Photo: Mark Newsham.*

Champion cricketer Adam Gilchrist spearheaded a weekend of cricket-themed fund-raising and profile-building for the University of Wollongong's medical research programs in November.

The Stumping Series Diseases weekend featured a range of activities including a gala fund-raising dinner, celebrity Twenty20 cricket match and junior cricket clinic for 400 children.

The weekend was designed to raise funds and lift awareness of UOW's research into cancer and other serious diseases.

Gilchrist, who is UOW's Ambassador in India, was

the guest speaker at the dinner and co-hosted the cricket match with UOW Vice-Chancellor Professor Gerard Sutton.

Gilchrist described the weekend as a "wonderful initiative". "Everyone is affected by not just cancer, but all these serious illnesses in some capacity," he said.

Although he didn't play in the cricket match, Gilchrist delighted his fellow spectators when he caught a well-hit six in front of the stand.

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### New Chancellor's first impressions

Respected corporate leader Jillian Broadbent, AO became the University of Wollongong's third Chancellor in October. In her first interview in her UOW role, she reveals that she likes what she sees – and hears. **Full story- Page 3.**

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Campus News is produced for community, industry, government and other educational institutions as well as staff, students and graduates of the University of Wollongong. It provides an overview of University news and achievements on a quarterly basis.

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# Gauging rising sea level impact

**PROFESSOR COLIN WOODROFFE** from UOW's School of Earth and Environmental Sciences is an international authority on sea level changes and coastal processes. In this article Professor Woodroffe examines the likely impact of rising sea levels.



Sea level rise is a sure consequence of global warming, caused by expansion of ocean waters and melting of polar ice.

As more than 85% of Australians live in coastal regions that are of immense economic, environmental and cultural value, it is therefore urgent to assess the threats to our coast.

These threats were demonstrated in two recent, comprehensive government reports: a parliamentary inquiry entitled *Managing our coastal zone in a changing climate: the time to act is now*, released in October, and *Climate change risks to Australia's coast: a first pass national assessment*, produced by the Department of Climate Change, and launched by Minister for Climate Change Senator Penny Wong in November.

There are many climate change threats to our coasts including warmer sea temperatures leading to coral bleaching, changes in wind and wave direction affecting our beaches and more intense tropical cyclones resulting in accentuated storm damage.

However, sea level rise appears particularly insidious and will have impacts around the nation. It may seem strange, therefore, that there is still disagreement about how much the sea will rise, but there are several reasons for this uncertainty.

First, global climate models have not been designed to model sea level rise, so whereas different models indicate broadly similar patterns of temperature increase, they produce quite different geographical patterns for changes in future sea level. Fortunately our

concerns about sea level are not based solely on climate models, but also on tide-gauge and satellite observations that show the sea is already rising.

Tide gauges were initially installed to aid navigation. Those gauges with the longest records provide 50 years or more of insight into sea-level trends. Each gauge shows a very individual record, because of subtle land movements (against which we measure the level of the sea) and meteorological and oceanographic factors. The most reliable tide-gauge records have been averaged to determine global trends, and demonstrate that the overall volume of the ocean is increasing. They show an average rise around 1.7 mm per year over the past 50 years.

Since the 1990s, it has been possible to use satellites to measure the elevation of the ocean, not just coastal waters. This satellite altimetry indicates an average increase of about 3.1 mm per year. It is not clear whether the difference between the 50-year gauge record and the decade-long altimetry results from acceleration in the rate of rise, or differences between coastal waters and the open ocean. Alternatively, the shorter record might be biased by one or two exceptional years (for example the very warm El Niño in 1998).

If there are disagreements about what the observed trend has been, then it is hardly surprising that there is less certainty about what the future may hold. The 2007 Fourth Assessment by the Intergovernmental Panel on Climate Change (IPCC) used climate-model projections based on thermal expansion of ocean waters indicating an acceleration over coming decades with levels in 2100 likely to be between 18 and 59 cm above 1990 levels. The IPCC did not take into account melt of polar ice as there was then considered insufficient understanding of the physics of ice melt. However, they cautioned that this could contribute up to a further 20 cm.

Since 2007 there has been clearer evidence for accelerated melting of grounded ice in Greenland, and the most recent observations of sea level rise indicate that it is tracking at, or above, the upper range of the IPCC projections. The latest Federal Government report adopts "a plausible worst-case scenario" of 1.1 m by 2100 to assess extreme risks.

So what does this mean if you are a coastal resident in eastern Australia? These numbers are global average projections and they show that the volume of water in the ocean is increasing.

But the rate at any individual coastal location around Australia is likely to vary from site to site. This is shown by high-resolution tide gauges installed by the National Tidal Centre in the early 1990s. All tide gauges around Australia indicate a rising trend, but the rate is different at each site. The tide gauge at Port Kembla has recorded a trend over its 18-year history of 3.1 mm per year, indistinguishable from the satellite altimetry. However, tide gauges in northern Australia record faster rates of rise with Darwin and Broome more than two times the global average.

Knowing the rate of gradual rise of mean water level at a site is useful, but, of course, it is extreme water levels rather than mean levels that are threatening. As the sea rises, those extreme water levels will recur more frequently. A storm surge level that would in the past have been experienced once in 100 years could recur several times a year as a result of higher sea level.

The latest report indicates that 150,000-250,000 Australian homes valued around \$63 billion would be at risk if the sea rose 1.1m. In addition to the threat of exacerbated flooding in cyclone-prone metropolitan areas, there are other concerns including inundation of low-lying Torres Strait islands, salt-water incursion into Kakadu wetlands and impacts on the Great Barrier Reef.

Residents of many coastal towns have recently experienced flooding, and such floods will become worse when the sea level is higher. These conditions seem certain to be exacerbated, both by the gradual rise of sea level, but also by the rapidly expanding 'sea change' communities which are growing far faster than the national average.

There is clearly a pressing need to build on the natural resilience of our coastal landforms and ecosystems, to develop the capacity to adapt, and to plan more effectively in those areas that are already, or may become, vulnerable. **CN**



Kirby Lecture presenter Jason Clare meets Sir Richard Kirby's daughters Sue Kirby (centre) and Kate Barry after his presentation.

## Kirby Lecture celebrates 30 years

Parliamentary Secretary for Employment Jason Clare maintained the finest traditions of UOW's annual Sir Richard Kirby Lecture when he stepped in as a late replacement for Deputy Prime Minister Julia Gillard to deliver the 30th anniversary lecture on 30 November.

Mr Clare proved a more than capable replacement as he delivered Ms Gillard's speech, which began with a tribute to Sir Richard's contribution to Australian industrial relations as the nation's Conciliation and Arbitration Commission president from 1956 to 1973.

Mr Clare told the audience that 40 years after Australia's landmark equal pay case the gender wage gap was actually increasing.

"As a reforming Labor government we're determined to see real progress on closing the gender pay gap," he said. "It is absurd and profoundly unjust that 40 years after the Equal Pay Case we're still talking about gender pay issues.

"We simply can't allow another generation of women to be disadvantaged in this way," he said. **NH**

## New Chancellor likes what she sees, and hears

In the short time Jillian Broadbent has been Chancellor of the University of Wollongong, she has been constantly impressed by the people she meets who express their pride in being associated with UOW.

Ms Broadbent says she has received many positive endorsements from graduates, students and others around Australia who tell her of their association with UOW and assure her that she's joined an excellent institution.

That hasn't come as a surprise. However, she admits she was surprised during a recent holiday in India when a female academic she met in the city of Indore spoke glowingly of the University of Wollongong in Dubai, where many of her "esteemed colleagues" had gone to work.

"It was rather warming to be in India and have someone talking positively to me about the University of Wollongong, and what it is doing in Dubai," Ms Broadbent said.

It reinforced her initial impression of "a very special university that maintains a unique balance of international academic standards and a strong local identity".

Ms Broadbent became UOW's third Chancellor on 1 October, following the Foundation Chancellor, the late Justice Robert Hope, who served from 1975 to 1997 and Michael Codd, who served from 1997 to 2009.

An Arts graduate who majored in Economics and Maths at the University of Sydney, Ms Broadbent had a stellar 30-year career in banking, including 22 years as Executive Vice-President of Bankers Trust Australia. She now sits on the boards of the Reserve Bank of Australia, Special Broadcasting Service (SBS) and Coca-Cola Amatil, having also spent 10 years as a



Chancellor Jillian Broadbent (third from left) with Chancellor's Awards for Achievement in Community Service winners (from left): Sally Stevenson (Indigo Foundation), Neil Preston (Greenacres Disability Services), Sharyn McKenzie and Elizabeth Lul (SCARF refugee support group) and Kathleen Davis (Nowra Circle Sentencing Court).

director of Woodside Petroleum and seven years on the Qantas board.

A passionate supporter of the performing arts, Ms Broadbent was National Institute of Dramatic Art (NIDA) Chair from 2005-2007, served on the board of the Sydney Theatre Company, was a founding director of the Australian Brandenburg Orchestra and a Trustee, Vice President and Treasurer of the Art Gallery of New South Wales.

She hopes her broad experience in corporate and not-for-profit organisations and her wide interests will hold her in good stead in her new role at UOW as Chancellor and head of the University Council – chairing the board that oversees UOW's operations.

"At my first University Council meeting I got a very good sense that the Council is very supportive and enthusiastic, with a strong sense of a common purpose, which is of critical importance and augers well for constructive discussion," Ms Broadbent said.

"I'm really looking forward to being part of the University's future, but in saying that I aim to make sure we don't stray from the formula that has contributed so much to its success up until now.

"The University is relatively young but very focused – and its success reflects the ambition of its Vice-Chancellors and Chancellors throughout its history. I want to maintain that continuity with my predecessors."

Ms Broadbent said she had long been aware of what she describes as UOW's "emergence and blossoming as an Australian educational institution forging an international reputation". That had made her curious about its success, so she was very receptive when approached by Vice-Chancellor Professor Gerard Sutton with the offer of the Chancellorship.

One of her first duties as Chancellor was to present the Chancellor's Awards for Achievement in Community Service in October, where she mixed freely with guests from many community organisations from across the region. It was, she said, an ideal introduction.

"I am getting a very strong sense of a university with warmth and personality, that has a strong connection with its community through focused research, industry partnerships and community involvement, as well as its teaching programs," she said. **NH**

## Codd's contribution recognised

During his 12-year tenure as Chancellor of the University of Wollongong Michael Codd, AC, personally awarded 50,000 degrees to graduating students.

Now it will be his turn to receive an Honorary Doctor of Letters degree.

The announcement that Mr Codd would receive an honorary degree for his outstanding contribution to the University was made at his farewell dinner in October attended by past and present University Council members and UOW staff.

Vice-Chancellor Professor Gerard Sutton said Mr Codd

was held in great affection by the University and highlighted four major developments that he influenced and helped guide during his tenure from 1997 to 2009.

Professor Sutton referred to the growth in student numbers domestically (doubling from 13,000 to 26,000) and internationally (Dubai leaping from 300 to 3,300); recognition in international ranking schemes which placed UOW in the top two per cent of universities worldwide; development of the Graduate School of Medicine and Illawarra Medical Health Research Institute; and the development of the Innovation Campus.

The Vice-Chancellor said Mr Codd had also helped re-shape the University Council into the most focused and best operating Council in UOW's history. **BG**



Michael Codd, AC, (left) at his farewell dinner with wife Fiona Howarth and his successor as Chancellor Jillian Broadbent, AO, and her husband, Olev Rahn.

# STUMPING SERIOUS DISEASES

## V-C declares: medical research weekend a resounding success



Declaring UOW's Stumping Serious Diseases weekend in November a resounding success, Vice-Chancellor Professor Gerard Sutton said its high-profile activities had helped raise awareness of the University's important medical research.

Professor Sutton and former Test cricketer and UOW Ambassador Adam Gilchrist hosted a weekend of cricket-themed activities including:

- a gala dinner for 350 people to raise funds for medical research into cancer and other serious diseases
- a celebrity Twenty20 cricket match between Town and Gown teams led by former Test cricketers Dean Jones and Jason Gillespie (see story – back page)
- a junior cricket coaching clinic run by Gilchrist, which attracted almost 400 children aged between five and nine
- a fund-raising lunch
- a sports dinner.

"Cancer and other serious diseases have a huge impact on our community," Professor Sutton said. "The University of Wollongong is engaged in high-level medical research into a number of serious diseases and conditions, but we want to expand our work.

"The Stumping Serious Diseases weekend was organised to help raise funds for this important research, the benefits of which will flow directly back into this community.

"However, it had the additional benefit of really raising community awareness of what we are already doing in the field of medical research, as well as our plans to expand that research."



Professor Sutton said Gilchrist had played a pivotal role in the weekend's success, demonstrating his commitment to the University and its ideals.

"Adam works closely with the University as our Ambassador in India, and we were very grateful that he and our other special guests could come to Wollongong and help with the weekend's activities. Adam did an outstanding job both at our functions and with the media, and worked tirelessly to help us raise awareness in the community about our medical research."

Gilchrist was the guest speaker at the gala dinner, sports dinner and fund-raising lunch.

UOW's Pro Vice-Chancellor (Health) Professor Don Iverson and leading Illawarra oncologist Professor Phil Clingan also spoke at the gala dinner, reinforcing the importance of research in the on-going battle to combat cancer and other diseases. **NH**

Top left: Joe Camilleri and his band *The Black Sorrows* entertained guests at the gala dinner.

Top right: Pro Vice-Chancellor (Health) Professor Don Iverson speaking at the Stumping Series Diseases dinner.

Above: Vice-Chancellor Professor Gerard Sutton and Adam Gilchrist present leading Illawarra oncologist Professor Phil Clingan with a souvenir of Gilchrist's cricketing career at the Stumping Serious Diseases lunch.

# Indian firm to join iC

Indian global information technology services company Zensar Technologies has announced plans to establish a software development centre at UOW's Innovation Campus.

The Zensar-University of Wollongong Centre of Excellence will develop innovative technologies and processes for Zensar's specialities in e-government, financial services and retailing.

Zensar Technologies is a global information technology services and business process outsourcer with headquarters in Pune, India.

UOW Vice-Principal (Administration) Chris Grange and Zensar CEO Dr Ganesh Natarajan revealed the plans in a joint announcement in Pune in October.

Dr Ganesh Natarajan had earlier signed an agreement to establish the centre with UOW Vice-Chancellor Professor Gerard Sutton during a visit to Australia. Dr Natarajan inspected the Innovation



UOW Vice-Chancellor Professor Gerard Sutton and the University's Ambassador in India Adam Gilchrist with Zensar CEO Dr Ganesh Natarajan (centre).

Campus and saw plans for new buildings, including the one that will house Zensar's new centre.

Dr Natarajan said: "The Innovation Campus is truly world class and we are excited at the potential it presents to take some of Zensar's innovative

products and services to the Australian market."

The Centre of Excellence will create a vehicle for Zensar's growth in Asia Pacific and will complement the company's existing educational alliances in Europe and the UK.

Under the agreement, UOW will offer supplements to its Informatics degree programs with Zensar-specific curriculum so that graduates will be "project ready" to work at the Zensar centre when they complete their degrees.

UOW's Corporate Relations Director Craig Peden said having a global company like Zensar locate at the Innovation Campus was a major milestone in the development of the campus. The agreement followed presentations Professor Sutton and UOW Ambassador and champion cricketer Adam Gilchrist made to Indian business leaders in 2008, at functions organised by AusTrade.

"We came to India last year to talk to Indian company executives about the opportunities that exist at the Innovation Campus. UOW has experienced incredible growth in the last decade, and we are very excited that they see collaboration with the University of Wollongong as a key strategy in expanding their presence in Australia and the Asia Pacific region," Mr Peden said.

He said UOW was negotiating with a number of other Indian-based companies interested in locating at the Innovation Campus. **NH**



## \$40m building approved

An artist's impression of the planned iC Enterprise 1 building (left) on the Innovation Campus. The existing central services building iC Central is on the right.

A new \$40 million building approved for the Innovation Campus at North Wollongong will provide much-needed office accommodation in the Illawarra region for up to 1000 workers.

The four-storey 10,000sqm office and research building was the first building in NSW to be approved under the State Government's new planning panel system. The panels have been established to determine large-scale development proposals, including those with a value between \$10 million and \$100 million.

The Southern Region Planning Panel

was the first to sit, meeting in late September to determine two building applications for the Innovation Campus (iC) - the \$500 million research and development precinct being developed by the University of Wollongong on 33 hectares at North Wollongong.

The panel approved the office building, called iC Enterprise 1, and a three-storey research, office and laboratory building funded by the Federal Government as Stage 2 of the Australian Institute for Innovation Materials which is already located on the Innovation Campus.

The two new buildings will be completed in early 2011, and will take to six the number of buildings at iC. Under the iC Master Plan, there will eventually be around 25 buildings on the site.

iC Director David Fuller said a number of organisations had already booked office space in the iC Enterprise 1, with inquiries continuing from national and international firms keen to co-locate on the campus with key UOW research teams. The building will house the recently announced Zensar-UOW Centre of Excellence (see story above).

The Innovation Campus has been designed to house many of UOW's research institutes as well as commercial organisations, many of which see major advantages in co-location and opportunities for collaboration with the researchers.

"The vision behind the Innovation Campus was to bring the knowledge economy to Wollongong, and it is clearly working," Mr Fuller said, adding that iC Enterprise 1 was also catering for surging demand for office space in Wollongong. **NH**

## ARC awards UOW \$11.4 million

The University of Wollongong has been awarded \$11.4 million funding through the Australian Research Council (ARC) Discovery Grant and Linkage Grant schemes.

Innovation, Industry, Science and Research Minister Senator Kim Carr announced the grants in Canberra in October.

UOW ranked ninth nationally out of 39 Australian universities for overall dollars awarded and seventh nationally (relative to size). Of the 26 successful UOW Discovery Projects (DP) and seven Linkage Projects (LP) to be funded from 2010, outstanding results were achieved across most UOW faculties.

The Faculty of Engineering achieved significant results with Professor Buddhima Indraratna awarded one Linkage and two Discovery projects totalling more than \$850,000, which is pushed closer to \$1 million after industry input.

One of the University's key engineering research strengths, the Institute for Superconducting and Electronic Materials (ISEM), received funding of \$2.2 million for two Linkage and five Discovery projects, including the following fellowships:

- Dr Zaiping Guo awarded a Queen Elizabeth II Fellowship (QEII) to investigate integrated all-solid-state



A WIN News crew interviews Vice-Chancellor Professor Gerard Sutton about UOW's ARC grant success, watched by grant recipients Professor Simon Ville (left) and Professor Buddhima Indraratna.

miniaturised lithium ion batteries for small devices such as implantable medical devices (see story below)

- Dr Germanas Peleckis awarded an Australian Postdoctoral Fellowship (APD) for his research in materials science and superconductivity with Professor Xiaolin Wang using new high temperature superconductors
- Mr Zigi Sun (APD) who is researching photo-electrochemical cells which may be able to assist in friendly solutions to energy problems

- Mr Xun Xu (APD - Industry) who is researching a fault current limiter to address the occurrences of electrical blackouts around the world.

Other researchers awarded fellowships were:

- Dr Zenobia Jacobs (QEII) from Science, who is investigating patterns of change in the behaviour of Neanderthals and early modern humans to identify when we became 'human'
- Dr Robin Warner (APD) from the Faculty of Law for research into harnessing the oceans to combat climate change

Professor Mike Morwood (Science) was also awarded more than \$1 million for a five-year Discovery Project to trace the ancestors of the Hobbit (*Homo floresiensis*). Minister Carr highlighted his project at the funding announcement.

The Faculty of Commerce also achieved significant results with three ARC grants including Professor Simon Ville who was awarded both a Discovery Project and a Linkage Project with early career researcher Dr Peter Siminski (Lead Investigator) to look at the long-term effects of Vietnam War conscription.

Professor Trevor Spedding (Commerce) was awarded a Linkage Project investigating innovations in supply chain integration. **BG**

## Biomedical research grant

The Ramaciotti Foundations has awarded the Illawarra Health and Medical Research Institute (IHMRI) at the University of Wollongong a \$50,000 grant to support outstanding biomedical research.

The grant will support IHMRI research aimed at gaining new insight into lipid metabolism and its role in the development of various conditions such as cancer, diabetes and cardiovascular disease.

IHMRI Executive Director and UOW Pro Vice-Chancellor (Health) Professor Don Iverson said the grant would be used to purchase a liquid handling robot, a vital piece of equipment for the lipidomics laboratory.

"This robot will vastly improve sample throughput and data reproducibility. It will also provide a significant safety benefit to researchers through reduced handling of potentially dangerous tissues and solvents," Professor Iverson said.

The Ramaciotti Foundations are collectively one of the largest private contributors to biomedical research in Australia, having granted more than \$45 million to research projects since 1970. **BG**

## Battery project earns QEII Fellowship

Dr Zaiping Guo's groundbreaking research into new battery technologies has earned her a highly prestigious Queen Elizabeth II Fellowship following the latest Australian Research Council (ARC) grants announcement.

ARC QEII Fellowships are only awarded to postdoctoral graduates showing exceptional promise. They provide opportunities to undertake research of national and international significance.

Dr Guo is a lecturer in UOW's School of Mechanical, Materials and Mechatronic Engineering.

Her project aims to develop advanced lithium-ion technology. It has to meet the essential needs of small autonomous devices such as implantable medical devices, hearing aids and small autonomous devices with sensing and actuation as well as for communications and rapid chemical/biological analysis.

Therefore, it needs to be small and safe with low self-discharge, high energy density and a long cycle life.

Dr Guo undertook her earlier studies at Xinjiang University in China before completing a PhD in Materials Science at UOW. In 2001 she won the Institute for Superconducting and Electronic Materials postgraduate student merit award in recognition of her consistent endeavours to improve research outcomes.

And in 2000 she received an Overseas Postgraduate Research Scholarship from UOW. **BG**



Queen Elizabeth II Fellowship recipient Dr Zaiping Guo.

# Angela has nation's health at heart

## DR ANGELA PRATT

Bachelor of Arts (Honours) 1998

PhD 2003

Dr Angela Pratt isn't a medical doctor, but she certainly has the nation's health at heart.

As Chief of Staff to Federal Health and Ageing Minister Nicola Roxon, Dr Pratt plays a key role in assisting the Minister to stay on top of one of the most complex and challenging areas of public policy.

Dr Pratt is a graduate of UOW's Faculty of Arts, where she gained a BA (Honours) in 1998 and her doctorate in 2003, researching the political debates surrounding Indigenous rights since the 1970s, under the supervision of Susan Dodds and Catriona Elder.

She says the research skills and ability to critically analyse information learnt at UOW have proved invaluable in her current role.

"It can be very challenging juggling all the different issues that come across my desk, and making sure each one gets the priority it needs – especially on a busy parliamentary sitting day," she said.

"But I appreciate the opportunity to make a contribution to the Labor Government's agenda in

such an important policy area as health – an area that really matters to the community.

"And Nicola is a terrific person to work for – she's smart, hard-working, gutsy, and really passionate about making changes that will really make a difference."

Dr Pratt grew up and attended high school in Griffith. She was attracted to UOW by its growing reputation, its setting and the BA course

While studying for her PhD she also taught part-time in the Faculty of Arts, served as president of the Wollongong University Postgraduate Association (WUPA) in 2000 and was vice-president of the national postgraduate student body in 2001.

After completing her PhD, Dr Pratt gained an Australian Parliamentary Fellowship in 2003 in the Parliamentary Library House in Canberra, where she was involved in research for parliamentarians on various political and policy issues, including Indigenous policy.

She then spent two years as a full-time research analyst in the Parliamentary Library researching health policy issues for parliamentarians, before joining the office of the then Shadow Indigenous Affairs, Family and Community Services Minister, Senator Chris Evans.



Dr Angela Pratt

At the end of 2006 she joined the staff of Ms Roxon, who was then Shadow Health Minister, as an advisor on health policy. She became Deputy Chief of Staff when Labor won the 2007 election, and was promoted to her current role in mid-2008.

She has many fond memories of UOW, and a continuing interest in the fortunes of the St George-Illawarra Dragons to remind her of her links to Wollongong. **NH**

# Scott seeking the 'next big thing'

## DR SCOTT NEEDHAM

Bachelor of Engineering - Materials 1997

PhD with the Institute of Superconducting and Electronic Materials 2006

Greek philosopher Plato is credited with uttering the immortal line: *Necessity, who is the mother of invention* some time around 400BC.

More than 2400 years later, Dr Scott Needham is hoping it still applies, and that necessity is driving a new wave of scientists, researchers and inventors to come up with "the next big thing".

In September Dr Needham took up a new role with US company Intellectual Ventures, which is based in Seattle with offices in South Korea, India, Singapore and now Sydney. The company develops, analyses, acquires and licenses inventions.

Dr Needham is Intellectual Ventures' Assistant Director of Invention Development, helping establish the company in Australia and New Zealand. But most importantly, he is responsible for identifying and assisting people to develop inventions.

It's a natural career progression, as he had been UOW's Manager, Innovation and Commercialisation



Dr Scott Needham

for the previous three years after completing a PhD in lithium ion battery technology with UOW's Institute for Superconducting and Electronic Materials (ISEM).

He had earlier completed a Bachelor of Engineering - Materials at UOW through a BHP cadetship at the Port Kembla Steelworks, and a Master of Management at Macquarie Graduate School of Management (MGSM).

Dr Needham says he expects to work closely with researchers in the Australasian university sector, research organisations like the CSIRO and ANSTO, and innovative companies.

"Researchers often get to the stage where they may want to patent an invention, but intellectual property protection and further development are very costly. That's where Intellectual Ventures can come in, bringing academics together with patent attorneys and commercial interests," Dr Needham said.

"It's an exciting opportunity. The company has developed a new way to look at intellectual property, with invention and technology analysis and invention investments models.

"I'll be looking at technologies across any field, and looking to engage the leading inventive thinkers."

Dr Needham has retained his links with UOW as an Honorary Fellow at ISEM, where he is currently supervising a PhD student researching energy storage. **NH**

# Eco-tech centre looks to the future

When University of Wollongong Fellow Dr Pat Mowbray died in October (see Obituary on Page 14), one of the many community legacies she left was Futureworld – the eco-technology centre overlooking Lake Illawarra at Warrawong that she helped establish in 1992 and had nurtured for 17 years. UOW graduates Jodie Cooper and Meryl McKerrow, who work part-time at Futureworld, are helping to ensure the centre continues its work showcasing environmentally appropriate technologies and explaining the science to future generations of school students as well as the general public.

## JODIE COOPER

Bachelor of Commerce  
(Marketing and Management)  
2000

Jodie Cooper combines her work at Futureworld with operating her own consultancy as a business and life coach and a blossoming career as an author of self-help books.

She is the Centre Coordinator at Futureworld, responsible for coordinating its operations, liaising with volunteers, marketing the centre with a particular emphasis on building awareness of its new location overlooking Lake Illawarra at Warrawong, and working with the board on strategic planning and developing policies and procedures.

Jodie, who joined Futureworld in May 2009, said she feels a sense of excitement about the centre's potential and the opportunity to build on the legacy of Pat Mowbray and the work of long-standing chair Dr Judy Messer.

"A lot of people have joined Futureworld in recent times, including academics from the University like Dr Troy Coyle (UOW's Director, Commercial Research) who are getting involved at a board level, looking to build on what people like Pat and Judy have created here."

Jodie always wanted a career in business, and started working in her family's commercial glass business straight from Bulli High School. She combined work with her Commerce studies at UOW, choosing marketing



Meryl McKerrow (left) and Jodie Cooper with a solar-powered car, one of the exhibits at Futureworld eco-technology centre at Warrawong.

and management majors which she felt would best help her achieve her dream of managing her own business.

She continued in the family business for two years after graduating in 2000, before spending a year and a half overseas on a working holiday. She then returned to the family business, helping to prepare it for sale before joining BlueScope Steel, where she worked developing policies and procedures.

However, an opportunity to study with a business coach convinced her that she needed a different career direction. "That experience helped me figure out what I wanted. It got me thinking that one day I'd look into doing that for other people," she said.

So Jodie set up her own business and life coaching company. She facilitates seminars and workshops, as well as working with school groups and individuals.

Her part-time role at Futureworld complements her other work perfectly.

In November she released her first self-published book, *Bringing Happiness Home*, which focuses on strategies to help people bring happiness into their everyday lives. Jodie describes it as "a combination between pretty gift book and inspiring self-help book", and hopes that it will make a difference to the lives of all who read it.

"Being happy is really an area of life that needs constant practice," she said.

"My book shows people how to focus their energy and effort into being happy."

## MERYL MCKERROW

Bachelor of Environmental  
Engineering 2005

Meryl McKerrow is passionate about the environment and fascinated by the practical applications of science and technology and the way they can improve people's lives.

That makes her ideal for the role of Education Officer at Futureworld, which is strongly focused on explaining how technology is or could be harnessed to improve the world.

Meryl organises school tours of Futureworld, liaising with schools, coordinating the volunteer guides and preparing resource materials. She is also involved in publicity and marketing for the centre.

Meryl joined Futureworld in November 2007, having previously worked for Wingecarribee Shire Council, the Environmental Protection Agency (now the NSW Department of Environment and Conservation) and UOW's Research Office.

Meryl graduated from UOW in 2005, having combined study with having two children (now aged seven and four) and work. While at UOW she took six months off to participate in Youth Challenge Australia, a leadership program that took her to Vanuatu

where she worked on various community health projects.

Meryl says she sees a lot of potential for Futureworld to educate children and adults about our changing world.

"Futureworld can really make a difference to people's understanding of concepts like climate change," she said. "Climate change is such an abstract idea, so you need concrete tools – both visual and physical – to really understand concepts like how carbon dioxide in the atmosphere raises temperatures," she said.

"We have the tools to explain that to a whole range of audiences – from using balloons to explain it to primary school students, to more technical aspects for other audiences.

"We also explain alternative energy sources like solar, wind, wave, micro-hydro and human power. Recently we've also developed displays on sustainable building practices."

Meryl said UOW student volunteers made a major contribution to Futureworld, with engineering students helping with the technical aspects of developing displays, science and education students working as volunteer guides and marketing and graphic design students assisting with marketing projects.

"The students find it a really valuable way to develop practical skills and experience," she said.

Integral Energy and BlueScope Steel sponsor the school tours. **NH**

# Journalism provided Brian's dream Escape

## BRIAN CRISP

Master of Journalism 1994

Brian Crisp has one of the dream jobs in Australian journalism. As National Travel Editor for News Limited and one of Australia's leading travel journalists, he leads a team responsible for putting together the Escape travel liftouts that appear in the company's Sunday papers around Australia, as well as the content in the daily travel sections in News publications.

It's the latest in a series of senior appointments at News Limited, the company he joined after starting in newspapers straight from school in 1979 at the *Illawarra Mercury* in Wollongong. He spent 14 years at the *Mercury*, apart from a brief stint as deputy editor of the *Daily Liberal* in Dubbo, before joining News Limited in 1993.

Brian's roles with Australia's biggest news organisation have included night editor at Brisbane's *Courier-Mail*, deputy editor at Brisbane's *Sunday Mail*, editor of Perth's *Sunday Times* and editor in chief of the Cumberland Newspaper group in Sydney. He returned to Brisbane in 2002 as features editor at the *Courier-Mail*, and took up his current position this year.

Journalism has been good to Brian, who graduated with a Master of Journalism from UOW in 1994.

"Journalism has allowed me to see the world and have conversations with people most of us never get to meet," he said. "I've had private dinners with Prime Ministers, talked tennis with world number ones, and interviewed my favourite Country singers and found out how they play songs, and write them."

He's also taught journalism part-time at Queensland University of Technology, taking a similar approach to the one he learned at UOW under this University's Journalism course founder Dr Clem Lloyd – to make every experience and assignment for his students as

close to a "real" experience of working in a newsroom as possible.

"I signed up to do Clem's course when I was chief of staff at the *Mercury*," Brian said. "I was interviewing all these potential cadets who had degrees. I didn't have anything, and thought I should get my act together. I also wanted to understand how our profession was being taught, and by whom.



Brian Crisp

"I was fortunate enough to be accepted into the Masters program based on my industry experience. Having Clem as a lecturer was a great start. He had a great mind and a fantastic understanding of the media. And we weren't writing academic essays ... all the writing was done as if it was appearing in a newspaper.

"It was also great to be involved in the classroom exchange of ideas, and that helped me change my way of thinking about journalism. Ethics classes, for instance, teach you to question why you make the decisions you do about putting stories in the paper, or when you ask people certain questions. So the degree made me a more rounded person and journalist, and better equipped me to work in the industry." NH

## MBA opened the door to Microsoft



Dagfinn Ringaas on the job with Microsoft in Norway.

## DAGFINN RINGAAS

Master of Business Administration 2005

Norwegian Dagfinn Ringaas thinks the world should know about the University of Wollongong's Sydney Business School (SBS).

Dagfinn, who is now Microsoft Business Solutions Director for Norway, credits his MBA from the SBS campus in Sydney's CBD as opening up a whole range of career opportunities when he graduated in 2005.

"I was actually quite overwhelmed by the many opportunities that opened up after graduating with my MBA," Dagfinn said. "I got job offers from several large IT companies, both in Australia and Europe. I'd always wanted to work for Microsoft, so it was great to land a job with the company (as Marketing Manager for Microsoft Business Solutions) in Norway directly after my graduation. Having a Master's degree is a prerequisite for many jobs at Microsoft."

In his current role he is now responsible for Microsoft's ERP and CRM business in Norway and the organisation of the company's partner account managers, solutions sales specialists, product managers and marketing professionals.

"What I really like about Microsoft is that it's a very flat organisation where everyone is expected to show leadership, make decisions and seize opportunities at all times, no matter if they are a vice-president or a trainee."

Dagfinn is an unabashed admirer of the Sydney Business School.

"The Sydney Business School has enormous potential, offering people the chance to do an MBA in the very heart of one of the world's most fantastic cities, on a campus driven by a very strong Australian university, and at a reasonable cost," he said.

Yet Dagfinn didn't know about the Sydney campus when he arrived at UOW in 2004 from Norway to enrol in his MBA. As he was based in Sydney, working part-time for an Australian software company while he studied, he jumped at the chance to transfer to the Sydney campus.

He had chosen Australia for his MBA, after the offer of part-time work with a company that had a partnership with the Norwegian software company he was working for at the time. He felt UOW offered the best combination of price, quality, recommendations – and, as it turned out, location.

"I found it inspiring to pick up my studies after six years working," he said. "I felt that it completed a lot of 'holes' in my knowledge, which was very rewarding. And the information I learned has been very applicable to my job, from financial management to marketing and business strategies. I am using elements of these subjects almost on a daily basis."

Dagfinn said studying in Australia was the experience of a lifetime. "My wife and I met so many generous and hospitable people and that is a memory that will be with us forever. Looking back, moving to Australia was one of the best and most important decisions of my life." NH

## HONOURS FOR OUR ENGINEERS

### FELICITY GALLUZZO

Bachelor of Electrical Engineering (Honours) 2003

Growing up on a vineyard outside Griffith, Felicity Galluzzo admits studying electrical engineering was the last thing on her mind.

But her school recognised her talent in maths and science and recommended she attend the Girls in Engineering Summer School at UOW in 1995 before she started Year 11. The local Rotary Club sponsored her and the rest, as they say, is history.

Two years later Felicity was back at UOW, this time as a BHP cadet studying electrical engineering while working at the Port Kembla Steelworks. She graduated in 2003 and moved to Melbourne in 2004 to join Powercor Australia & CitiPower. She powered her way through the company's three-year graduate program in 12 months, thanks in large part to the experience she gained during her BHP cadetship.

Last year Felicity was named the 2008 Engineers Australia Graduate Electrical Power Engineer of the Year for outstanding achievement in the first six years of professional practice – an award she describes as a great honour. "It would not have happened without the significant support I received from everyone with whom I've worked and studied since my days as a cadet, and the contributions they've made to my personal and professional development," she said.

The award is sponsored by electrical products suppliers NHP and Felicity's prizes included a whirlwind overseas trip visiting electrical manufacturing plants in Malaysia, Switzerland, France and Germany.

Last November she joined the Melbourne office of international consulting engineering group Beca, where she is a senior engineer and team leader specialising in technical leadership and design management on transmission and distribution networks up to 500kV.

"Beca has a great workplace culture with limitless opportunities. I like the broad range of responsibilities that my role encompasses and the ability to make a difference within my team," she said.

Felicity said the Summer School back in 1995 changed her life. "I certainly had no intention of becoming an engineer, but the three days of the school completely changed my career plans," she said.

She looks back fondly at her student days, especially playing cricket with "some fantastic women" in UOW's women's cricket team.

"I still keep in touch with a few of my Power Engineering lecturers. They are very well respected within the Australian power industry and I often tell anyone who'll listen that UOW has Australia's leading power school," she said. **NH**



Felicity Galluzzo

### SAMANTHA KNIGHT

Bachelor of Engineering – Materials (Honours) 1994

Master of Business Administration (With Merit) 2001

UOW graduate and senior BlueScope Steel engineer Samantha Knight has been awarded a prestigious Chief Executive Women in Engineering Scholarship.

The scholarships, which recognise exceptional female engineers with demonstrated leadership potential, are presented by the Chief Executive Women (CEW) organisation in association with Engineers Australia Women in Engineering. Only four scholarships are awarded each year.

Scholarship committee chair and prominent Australian corporate leader Kathryn Fagg said Samantha's application "stood out from a very high quality field, which led her to being selected as a finalist. Subsequently, she impressed the judging panel as a most deserving recipient of the scholarship."

Samantha plans to use the scholarship to complete a course on presentation at NIDA and attend a major asset management conference.

This latest accolade is a continuation of Samantha's high achievements since her student days as a BHP cadet, combining work at the Port Kembla Steelworks with her Materials Engineering studies at UOW, where she was awarded first place for her final year thesis in 1994.

Samantha remembers being inspired by lecturer Nick Standish, and his passion for Materials Engineering. "He had dedicated his entire career to Materials Engineering and was a great mentor for me in my early days at university," she said.

Samantha has wide experience across the Steelworks after two decades there, and said she loves the challenges of working in one of Australia's largest and most complex industrial plants.

"I love working in an industrial environment and I love managing people," she said. "Industry provides so many challenges, particularly running an operation like this which is continuous 24 hours a day, every day of the year."

And she knows the steel plant inside out, having worked at the coke ovens and blast furnaces when she was a cadet, before moving to operations positions in the Iron and Slab division, the coke ovens and the sinter plant as a graduate engineer. She then progressed to a position of business engineer, becoming an expert on safety, cost and environmental business systems.



Samantha Knight  
(Photo courtesy  
BlueScope Steel)

Samantha completed an MBA at UOW in 2001, and in 2004 spent a period as operations manager for both the Steelworks' blast furnaces, managing 200 people.

In 2005 she took over as manager of the rail transport business for Iron and Slab, working mainly on supply chain and customer relations improvement projects, before being appointed Steelworks Cogeneration Project transition manager from 2007-2009, with the task of managing the design outcomes of a major project that aimed to generate electricity from gases produced in the steelmaking process.

Samantha is currently on maternity leave after the birth of her second child, but will be returning to an operations position at Iron and Slab.

She says while the technical knowledge gained from her Materials Engineering studies is obviously vital in her management roles, "completing the MBA made me far more aware of business on a global scale and how the product we produce competes in a global market". **NH**

### Dr Sakdirat Kaewunruen

Graduate Certificate in Business 2006  
PhD (Engineering) 2008

Dr Sakdirat Kaewunruen, a PhD alumnus from UOW's School of Civil, Mining, and Environmental Engineering, has won the 2009 National Engineering Bursary Award from the Concrete Institute of Australia.

He was nominated by School head Professor Buddhima Indraratna, and is the first UOW graduate to receive this prestigious and highly competitive award.

The Concrete Institute of Australia National Bursaries are biennial awards made to the best PhD graduates studying engineering, chemistry, materials science, building science and other relevant subjects which contribute to the research knowledge base for concrete and cement-based products and processes.

At UOW Dr Kaewunruen had been working on a new design concept for railway concrete sleepers, under the supervision of Associate Professor Alex Remennikov. The research was part of a larger project under the CRC for Rail Innovation (RailCRC).

Dr Kaewunruen, who is currently working with RailCorp in Sydney, was awarded the Peter Schmidt Memorial Scholarship for Best Performance in Engineering Research in 2006 and named Young Railway Engineer of the Year in 2008 by the Railway Technical Society of Australasia. **NH**



Dr Sakdirat Kaewunruen

## Seventh Zelinsky continues the family tradition

Three generations of the one family who are all University of Wollongong graduates were on hand to witness 21-year-old Tim Zelinsky receiving his Bachelor of Computer Science degree at UOW's Faculty of Informatics graduation ceremony in July.

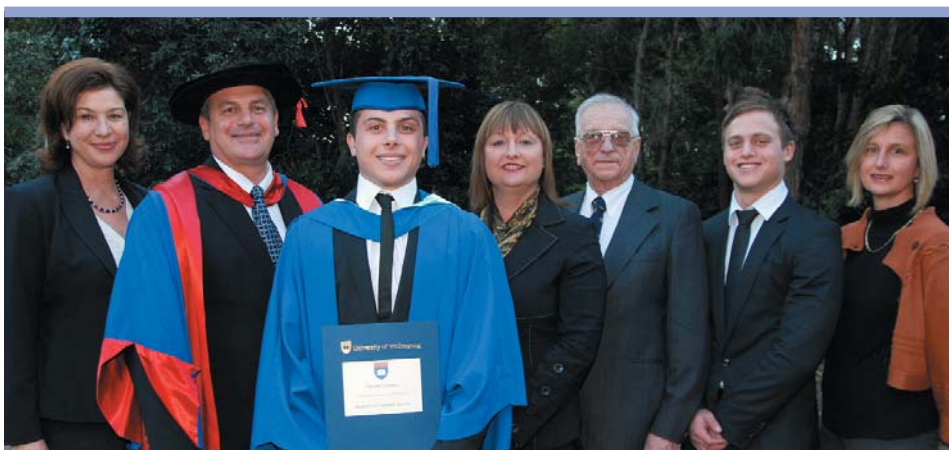
Tim was carrying on a grand tradition that started with his grandfather in 1959, and became the seventh member of his family to graduate from the University.

To cap off the family celebrations, Tim's father Dr Alex Zelinsky – a former UOW lecturer who is now a senior member of the CSIRO executive team based in Canberra – delivered the occasional address at the graduation ceremony.

Tim's grandfather Alex Zelinsky Senior graduated in 1959 with a metallurgy degree from what was then the Wollongong division of the NSW University of Technology (now UNSW). He later added a Bachelor of Science (Physics) degree in 1970.

Tim's father graduated with a Bachelor of Mathematics (Honours) in 1983 and added a PhD in 1991. Dr Zelinsky also lectured at UOW from 1984-1996, before joining the Australian National University where he became a professor. He then joined the CSIRO, where he is Group Executive for Information and Communication Sciences and Technologies, and also responsible for IT services across the organisation.

Tim's mother Jackie Zelinsky has a Bachelor of Arts (1983), Diploma of Education (1984) and Master of Education (1995) from UOW. She is now the CEO of the Institute of Strata Title Management. Tim's brother Michael graduated two years ago with Law and



Three generations of Zelinskys have graduated from UOW. Pictured at Tim Zelinsky's graduation in July are (from left): Catherine, Alex, Tim, Jackie, Alex Senior, Michael and Natalie.

Commerce degrees, and now works as a lawyer with the Aboriginal Legal Service.

Completing the family picture were Tim's aunts Catherine Zelinsky (Bachelor of Commerce 1985) and Natalie Zelinsky (Bachelor of Mathematics 1987, Graduate Diploma of Education (Adult Education and Training) 1990, Diploma of Commerce 1994 and Master of Education 1999).

In the years since graduating Catherine has had a number of roles at UOW and now works for the University's corporate arm, ITC, managing a project that delivers training in dementia care across NSW. Natalie is currently head teacher, Band 2 Tourism, Hospitality and Event Management at TAFE NSW Illawarra Institute.

Tim said it was a special day to join his family members as a UOW graduate, and that his interest in computers had come from his father.

"I was inspired by my father," he said. "I remember coming in to the university when I was quite young to see where dad worked. He showed me the computer

labs and what he did, and always encouraged me.

"It has been a great place to study, with the highlight being the subjects I did with Neil Gray (an Associate Professor in the School of Computer Science and Software Engineering). I also did an internship with Andrew Corporation, which was really valuable."

In his occasional address at the graduation ceremony, Dr Zelinsky told the graduates they were graduating from one of Australia's leading institutions, with a strong international reputation.

"In this increasingly global world, international recognition of this kind is most important. When you go forward looking for jobs and opportunities anywhere in the world, you can be confident that your university and your qualifications will be well respected," Dr Zelinsky said.

He also reflected on the way UOW had developed over the years, with particular reference to the origins of the Faculty of Informatics and the pioneering academics who had helped establish its reputation. **NH**



## Honorarys' history handy

Members of UOW's Alumni Honorary Chapter working with University Archivist Susan Jones to identify names and events in historical photos in the Archives (pictured from left): Liz Jeneid, Harold Hanson, Vivien Twyford, Susan Jones, Peter Wood, Bev Walker and Liz Hilton. Ms Jones said the honorarys' long association with UOW had been invaluable in helping to identify people, events and campus buildings in the photos from the 1950s through to recent times. **NH**

## Appeal support

UOW alumni have pledged more than \$150,000 over the next three years in response to the annual alumni phone appeal.

The money will be used to fund cancer research, scholarships to help needy students and seating for the new Sports Hub.

A team of 40 students from across UOW's nine faculties contacted more than 3000 alumni by phone. They reported a positive response from alumni, many of whom shared their experiences of student life at UOW.

UOW Manager – Development, Alumni and Community Monique Harper-Richardson described the response to the appeal as "overwhelming".

"We are very heartened, because philanthropic support is essential to our aim of expanding important research, and to help support students who otherwise would not be able to afford to go to university," she said. **NH**

# Postcard from Dubai



The University of Wollongong in Dubai (UOWD) has been operating since 1993 and is now one of the most prestigious educational institutions in the United Arab Emirates. UOWD currently has an enrolment of approximately 3300 students undertaking Bachelors and Masters degrees in Business and Computer Science at its location in Dubai's Knowledge Village.

## New centre focuses on professional development

UOWD has established a centre dedicated to professional development of academic staff.



Dr Payyazhi Jayashree (pictured left) has been appointed to lead the new Centre for Academic Staff Professional Development (CASPD), which will provide a

range of innovative and long-term initiatives and services to promote and facilitate best practices in teaching and learning at UOWD.

Dr Jayashree, an Assistant Professor in the Faculty of Business and Management, includes organisational behaviour, organisational development, change management and training and development in her areas of specialisation.

In her new role at CASPD, Dr Jayashree plans to introduce:

- Workshops on curriculum development, pedagogical tools, assessment tasks, and e-learning methodologies
- Workshops to offer practical advice on research-related issues such as publishing, leading and managing research projects, writing grant proposals and research papers
- Workshops and seminars to strengthen the research-teaching nexus, including using research to inform teaching
- A platform for academic staff to share best practices in teaching and learning for continuous improvement
- A program for peer-based observation of teaching combined with self-evaluation, available to all academic staff
- Individual consultations for staff members to assist them with student management systems, technologies and effective teaching strategies to facilitate deep learning
- An interactive website with resources and materials to support faculty with learning and teaching.

## Scholarships reward outstanding students



UOWD President Professor Rob Whelan with some of the scholarship-holders.

UOWD has awarded scholarships worth over AED three million (\$A873,000) over the length of their degrees to 68 undergraduate and postgraduate students for the current Autumn semester.

UOWD President Professor Rob Whelan presented the scholarships, which entitle recipients to between 20% and 100% of their tuition fees, at a function in October at UOWD's campus in Dubai's Knowledge Village.

Professor Whelan said the scholarships had been earned by outstanding students. He said UOWD had produced a band of alumni who now occupy key positions in public and private corporations in the UAE and overseas, and urged the scholarship recipients to network with these alumni to benefit from their experience and connections.

Cleo Franco, a student doing her Masters in

Strategic Human Resource Management, was ecstatic on winning a 50% scholarship. "I really worked very hard in the first semester, and now I am thrilled that my efforts were successful. The scholarship will not only bring financial relief, but also motivate me to continue to work harder."

Aamina Aslam, a new Finance and Accounting student who won a 20% scholarship based on her academic achievements in high school, said: "My ambition was to pursue an accounting degree in a prestigious university. It has now been realised, and this scholarship is a bonus."

Redwan Hasan, a new student in the Bachelor of Computer Science program, is an international student from Bangladesh. He said: "I won a 30 per cent scholarship based on my three As in my A levels. I am delighted that the burden on my dad will be lighter because of the scholarship."

In addition, CASPD will have responsibility for running the University Learning and Teaching (ULT) modules.

Dr Jayashree said: "I love working with my colleagues and see my role primarily as a facilitator, supporting them in sharing innovative practices. I am looking forward to the challenge of leading the new centre."

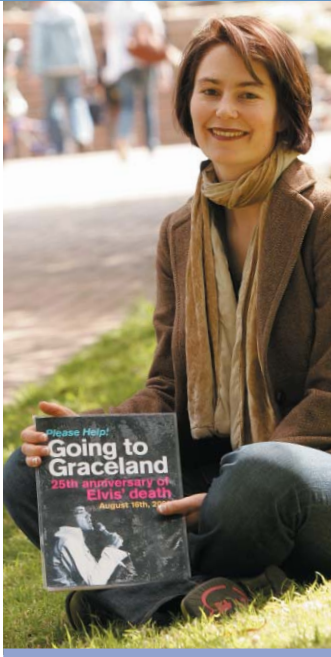
UOWD President Professor Rob Whelan said: "CASPD, under the leadership of Dr Jayashree, will further sharpen our focus on excellence in teaching and research by working closely with the UOWD team, and developing and capitalising on collaborations with local and international experts."

## Alumni seminar series

The UOWD Alumni Network in October launched a series of monthly seminars for members and their guests with prominent guest speakers who will cover a range of relevant topics.

Guest speaker at the inaugural seminar was international management consultant and leadership educator Professor Marwan Stambuli, whose topic was *Dealing With Change in the 21st Century*.

Professor Stambuli spoke about how businesses and employees can plan, change and grow in the 21st century. He introduced new business and personal planning techniques to the audience along with a specific methodology to achieve their goals.



Dr Shady Cosgrove with the poster she used while busking across the US to the 25th anniversary of Elvis Presley's death. Her new book tells the story of that journey of self-discovery.

## Shady writes to Elvis soundtrack

UOW Creative Writing lecturer Dr Shady Cosgrove's new book *She Played Elvis* has generated positive reviews and widespread media interest around Australia.

Dr Cosgrove, a former journalist, has been interviewed by leading broadcasters around Australia including ABC Radio's Richard Glover.

The book – a memoir of a journey Dr Cosgrove made to her American homeland after emigrating to Australia – has been published by Allen and Unwin.

Described as a “classic road story – a journey of self-discovery set to an Elvis soundtrack”, the book tells of Shady's pilgrimage across the United States to Graceland for the 25th anniversary of Elvis Presley's death, busking and singing Elvis songs along the way.

The trip with her Australian partner Scott turned into a journey of self-discovery, as Shady re-connected with her roots.

In late 2007 the original manuscript was short-listed for the Vogel Prize for Literature – Australia's richest and most prestigious writing award for an unpublished manuscript. That success and recognition prompted Allen and Unwin to publish it.

Dr Cosgrove, a passionate and popular teacher, paid tribute to her students for the role they had played in the final version of the book after she had shown them sections of her manuscript.

“They gave me really important critical appraisal, and certainly didn't hold back,” she said. “From their feedback I actually overhauled some sections, and so they contributed to the final product in a very real sense.

“It really has been nice to have this experience in publishing to share with my students.”

Dr Cosgrove moved permanently to Australia in 1996, after falling in love with the country during a Study Abroad year spent at UOW in 1994. Returning to Australia after she graduated from New York's Vassar College, she combined work as a journalist for Fairfax with a doctorate in English literature at the Australian National University, which she completed in 2003. That year she joined the staff of UOW's School of Journalism and Creative Writing in the Faculty of Creative Arts. **NH**

## Disaster relief inspires call for emergency team



Professor Noel Tait (front) and colleagues from the Royal Australian Navy's Primary Care Reception Facility on board a helicopter in earthquake-ravaged Sumatra in October.

University of Wollongong Professor of Surgery Noel Tait plans to investigate setting up a disaster emergency response unit operating out of Wollongong after spending most of October in Sumatra helping earthquake victims.

Professor Tait was part of a medical team aboard HMAS Kanimbla as part of Operation Padang Assist - Australia's humanitarian response to the earthquake tragedy centred on the town of Padang.

The earthquake which hit western Sumatra in Indonesia on 30 September left a death toll of more than 600 people and destroyed thousands of buildings including hospitals.

Professor Tait, a specialist surgeon at Wollongong Hospital and Professor of Surgery at UOW's Graduate School of Medicine, is a Lieutenant-Commander in the Royal Australian Navy Reserve and was a member of the Navy's Primary Care Reception Facility (PCRF) on the ship.

The PCRF team included Professor Tait and an orthopaedic surgeon, two anaesthetists and a team of nurses. Professor Tait conducted around 60 operations as well as dealing with non-surgical medical issues.

HMAS Kanimbla is equipped with two operating theatres, 40 hospital beds including intensive care facilities, a high dependency unit and a well-equipped pharmacy. It acted as a hospital ship for Padang, while the medical team also dealt with minor surgery and non-surgical medical issues on shore.

Professor Tait said the experience had convinced him that Wollongong Hospital and the University of Wollongong should investigate ways to establish a humanitarian emergency response group.

“We should have ambitions to establish a team that is capable of providing humanitarian medical support in times of emergency, whether within Australia or in our region of the world,” Professor Tait said.

“With the hospital and the University behind it, a Wollongong emergency response group could respond to emergencies like the recent tsunami in Samoa,” he said.

Professor Tait pointed out that UOW medical students had already set an example by working as volunteers in places like Timor Leste and some African nations in their holidays. **NH**

## Arts summer school hosts famous faces

Some well-known Australian identities will take part in a ground-breaking summer session program at the University of Wollongong over December and January.

UOW's Faculty of Arts will run the new summer session subject of Politics, the Community and the Common Good.

The impressive participating speakers include:

- Former High Court Justice Michael Kirby who is a respected international jurist and advocate for human rights
- Businessman, philanthropist and adventurer Dick Smith
- Former Independent Member of the NSW Legislative Assembly, anti-corruption fighter and a Fellow of the University John Hatton
- St Vincent de Paul Society CEO John Falzon
- Former NSW Corrective Services Commission chairperson and equity advocate Professor Tony Vinson
- Honorary Professorial Fellow of the University Emeritus Professor Stephen Hill, who is former Regional Director and Ambassador of the UN organisation, UNESCO
- UOW History and Politics lecturer Dr Glenn Mitchell. **BG**

# IN MEMORIAM

## John Bell

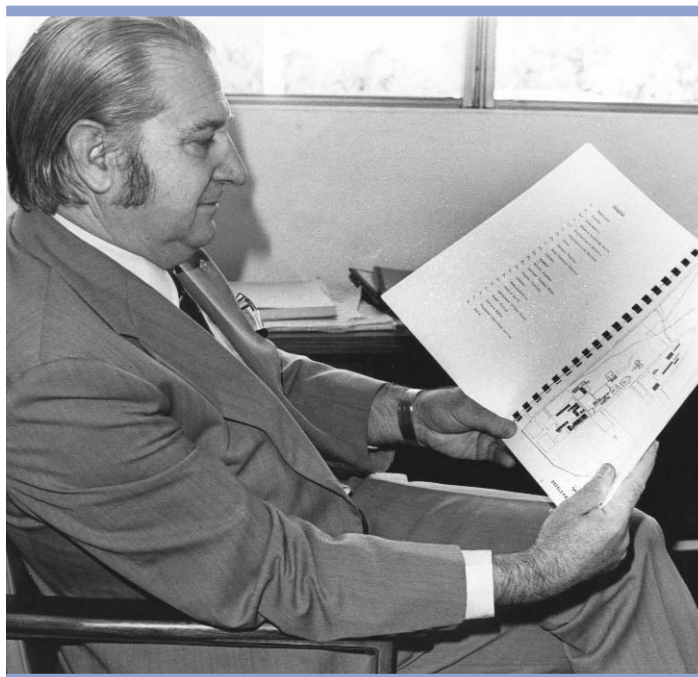
**John Bell, who made a lasting contribution to the University of Wollongong as Estate Manager, died on November 8 aged 89. Vice-Chancellor Professor Gerard Sutton presented this eulogy at his funeral:**

Walking around the beautiful University of Wollongong campus today, it is easy to see John Bell around every corner. His spirit is there ... in the water features, in the beautiful stands of gum trees, in the native bushes and in the birds that live in them. And, of course, in our famous duckpond.

Captain John Bell – Royal Australian Navy (Retired) made a lasting contribution to the University of Wollongong.

He was one of the key contributors to what is widely regarded as one of the most beautiful university campuses in Australia. It wasn't always that way, of course. The campus wasn't carved out of the native bush.

Rather, it was built on what had been a dairy farm. The original natural vegetation had long gone by the time John joined the University as Estate Manager in 1973 after a long and successful career in the Navy – just prior to our independence from the University of NSW in 1975. In fact, old photos show the campus was a pretty



John Bell looks over plans for the UOW Campus during his time as Estate Manager.

bare and uninteresting place in those days, with few buildings and trees.

It needed people of vision – people like John Bell – to see what it could be like if the original flora of the Illawarra Coastal Plain was reinstated across the campus, and blended with the buildings that would inevitably follow as the University grew.

In his 10 years as Estate Manager, John was instrumental in transforming the campus with native trees, ponds and other landscaping features and in its development in an organised and consistent manner. Like all good visionaries, John also drew on the expertise and enthusiasm of others to help him achieve his objectives.

And, of course, his vision has been maintained and built on by his successors.

Visitors to the University – including premiers and senior federal and state ministers – often comment that there is no better university campus in the country. Our campus is a major attraction for staff and Australian and overseas students alike.

Our students say it is a wonderful, tranquil environment for learning. Their endorsement is the best possible confirmation of John Bell's legacy.

John was made a Fellow of the University in 1988 in recognition of his contribution to the physical beauty and planning of the campus.

After his retirement he continued to be involved with UOW through the Alumni Association's Honorary Chapter, the Alumni Campus Bookshop and the Friends of the University.

John Bell was a friend of the University of Wollongong in the true sense of the word and the UOW community will miss him. At a personal level I would like to add that John was a true gentleman and the deep love and caring for each other that John and Mary shared was evident on every occasion that I had the pleasure of being in their company.

## Dr Pat Mowbray

Fellow of the University and long-time UOW supporter Dr Patricia Mowbray died on 10 October after a year-long battle with cancer, aged 75.

Dr Mowbray had a long and distinguished medical career in the Illawarra, as Deputy Medical Superintendent of Wollongong Hospital for 16 years and then Director of Community Health.

Her support of the University included serving on the University Council from 1978 to 1982, and was an enthusiastic supporter of UOW's first, unsuccessful bid to establish a medical school. In the 1990s she played a key role in laying the foundations for UOW's Faculty of Health and Behavioural Sciences, where she taught as an Honorary Associate Professor.

In a tribute to Dr Mowbray, Vice-Chancellor Professor Gerard Sutton said: "The Faculty of Health and Behavioural Sciences' special combination of clinical practice and community care are due in part to the

vision of people like Pat. We have lost a great friend and supporter."

Dr Mowbray was made a Fellow of the University in 1996, and also held an honorary position with the Graduate School of Public Health. No-one was more delighted than Dr Mowbray when UOW's Graduate School of Medicine opened in 2007.

She was a long time supporter and advocate for Healthy Cities Illawarra, which she chaired for many years, and a driving force behind Futureworld Eco-technology Centre, where she was deputy chair.

In 2008 Dr Mowbray and her great friend and collaborator Dr Judy Messer shared the UOW Chancellor's Award for Achievement in Community Service for their "genuine passion and significant long-term commitment to the Illawarra community for a substantial period, including the establishment and running of the Futureworld Eco-technology Centre".

Dr Mowbray is survived by her husband Bill and children Josie and Andrew and their families. **NH**

Right - Dr Patricia Mowbray





Professor Jim Hagan

## Professor Jim Hagan

Emeritus Professor Jim Hagan died suddenly on 20 October, just days before his 80th birthday.

As one of Australia's leading historians, Professor Hagan appropriately played a key role in the history of the University of Wollongong.

Professor Hagan joined the staff of the then Wollongong University College in 1964 as a history lecturer, to teach the first intake of Arts students. He became head of the history department and was one of three leaders of the autonomy campaign that saw UOW separate from the University of NSW in 1975.

He became Foundation Dean of the Faculty of Arts at the newly autonomous UOW, and worked full-time for another 20 years, retiring from full-time university duties in 1995. He remained a professorial fellow at the Faculty and was a regular visitor to the campus.

He also served as Deputy Chancellor of Charles Sturt University from 1990 to 2001, and chaired the Board of Governors of Riverina College of Advanced Education from 1976-1989.

Professor Hagan wrote and edited many history books, including *Modern History and its Themes*, which generations of Australian high school students used to study Modern History, and a history of the Australian Council

of Trade Unions. His areas of particular expertise were the histories of the Australian Labor Party, of which he was a long standing member, and trade union movement, and was a long-standing member of the ALP.

UOW Vice-Chancellor Professor Gerard Sutton described Professor Hagan as a "a major contributor to the academic reputation of this University".

"His contribution in research terms has continued and the impact of his death has been felt personally by so many people in this University, including myself," Professor Sutton said.

Deputy Vice-Chancellor (Academic) Professor Rob Castle was a close friend of Professor Hagan, and was shocked by his sudden death.

"Jim was always extremely loyal and dedicated. He was still working literally right up to the end ...talking to his publisher about a new book on the day he died."

Professor Hagan is survived by wife Lois and children Jim and John and families. **NH**

## Professor Jack Goldring

UOW's Foundation Dean of Law, District Court Judge and Emeritus Professor John (Jack) Goldring, died on 6 October at his Austinmer home, aged 66.

Judge Goldring was appointed UOW's first Dean of Law in 1990, charged with the responsibility of establishing the faculty from scratch. As Australian Law Reform Commission president Professor David Weisbrot wrote in an obituary published in *The Canberra Times*, he was spectacularly successful with this mission.

"Goldring made the new law school a critical part of the local community and the local profession, as well as putting it on the map nationally because of the qualities of its academic programs and its commitment to community service," Professor Weisbrot wrote. "Indeed, a number of the legal staff of the Australian Law Reform Commission were Goldring's students at that time, benefitting from his teaching, his scholarly rigour and his incredible willingness to find time to mentor promising young lawyers."

Current Dean of Law Professor Luke McNamara said: "From day one, Jack was determined that the Faculty of Law's commitment to student-

centred learning should be genuine and manifest in all aspects of our teaching activities.

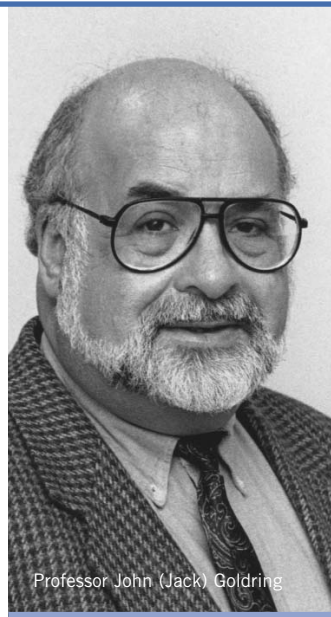
"Jack was remarkable in his ability to balance the demands of the Dean's role with getting to know the Faculty's students and taking a keen interest in their achievements and welfare.

"Since Jack's death numerous graduates from the early years of the faculty have been in touch to pass on their condolences and to record their gratitude for the role that Jack played, personally, in supporting their successful transition to, and progress through, university studies, and encouraging them in their post-graduation careers.

"While Jack's highest priority during his term as Dean was overseeing the establishment of a high quality LLB program, he also recognised the importance of nurturing the research and scholarship of his academic staff. Today we are a mature law school with a strong reputation for excellent applied and interdisciplinary legal research and scholarship."

Before joining UOW, Judge Goldring had worked in the Law Faculties at the University of Papua New Guinea, the Australian National University and Macquarie University, where he was also the Dean.

He was Dean of Law at UOW from 1990-1995, and left the University in



Professor John (Jack) Goldring

February 1998 to become a District Court Judge - although he maintained his connection with the Faculty as an Emeritus Professor.

Professor Weisbrot said the appointment to a busy trial court was a rare honour for a career academic, but it was a role which Judge Goldring excelled at.

Judge Goldring was also a noted law reformer, serving on the Australian and NSW Law Reform Commissions, and being named a foundation fellow of the Australian Academy of Law when it was formed in 2007. **NH**

## APPOINTMENTS

### Chandler named on Indigenous Council

Dean of Education Professor Paul Chandler has been appointed to the Federal Government's Indigenous Higher Education Advisory Council.

Professor Chandler is one of eight senior academics on the council, which will be chaired by Professor Steven Larkin from Charles Darwin University for the next three years.

The new council will provide policy advice to the government on higher education, research and research training issues in relation to Indigenous higher education students and staff. It held its first meeting in Melbourne in November, with Deputy Prime Minister and Education Minister Julia Gillard in attendance. **BG**

### Glynn Executive Dean (Business)

Professor John Glynn has been appointed Executive Dean (Business), with the appointment taking effect in January.

Professor Glynn will remain Dean of the Sydney Business School.

Vice-Chancellor Professor Gerard Sutton described Professor Glynn as an experienced academic and a strong strategist with a comprehensive industrial and international network. **NH**

### Crookes chairs Council of Deans

Dean of the Faculty of Health and Behavioural Sciences Professor Patrick Crookes has become chair of the Australia and New Zealand Council of Deans of Nursing and Midwifery (CDNM).

Professor Crookes had previously been deputy chair and council secretary. He replaces the current chair, Emeritus Professor John Daly from the University of Technology, Sydney.

The CDNM represents 37 schools of nursing in Australia and New Zealand. Its goals are to promote best practice in pre-registration nursing and midwifery education as well as to foster research and research training in nursing and midwifery, to influence and set priorities and to build research capacity. **BG**

# Celebrity cricket proves a big hit



Former Test cricketers Jason Gillespie and Dean Jones helped launch the redeveloped University Oval in style at a celebrity Twenty20 cricket match on 21 November.

The Town v Gown match, hosted by Vice-Chancellor Professor Gerard Sutton and UOW Ambassador and cricket great Adam Gilchrist, was part of UOW's Stumping Serious Diseases weekend designed to raise funds for research into cancer and other diseases.

The teams competed for the Kerryn McCann Health and Medical Research Challenge in what will become an annual event.

And Professor Sutton pledged that next year's match would be open to the public after this year's event was restricted to 350 enthusiastic invitees

because of limited spectator facilities. "We'll be looking at ways to provide facilities for more spectators, because the community deserves the opportunity to see this kind of event too," Professor Sutton said.

Gillespie captained the Gown team while Jones led the Town. They were joined by fellow Australian representatives Jimmy Maher and Greg Campbell, female Australian representative cricketers Julia Price and Melanie Jones and a host of other celebrities, including Dragons rugby league stars Ben Creagh and the recently retired Wendell Sailor, Hawks basketballers Mat Campbell and Glen Saville, rock stars Tim Farriss (INXS) and Mark Callaghan (GANGgajang), former "Wiggle" Greg Page, UOW students and University cricketers.

Callaghan got the day off to a great start with a rendition of his band's most famous song *Sounds of Then (This Is Australia)* and the National Anthem.

Out on the field Jones opened the batting for the Town side with Farriss, and got the scoreboard clicking by gliding a boundary through slips in the first over. Town eventually finished with 8-123, with Greg Campbell (21), Sailor (20) and Jones (17) the leading scorers. Mat Campbell led the Gown bowlers with 2-8.

But if Sailor showed some talent with the bat by smashing his 20 off just 14 balls, it was nothing compared with his bowling. He took two wickets with his first two balls, including bowling Dragons team-mate Creagh, before Callaghan averted the hat-trick. Sailor finished with 3-8, including the prized scalp of fellow Queenslander Maher, to head the Town attack.

However, Melanie Jones (30) and



Gillespie with a hard-hitting 47 not out – including three late sixes – guided the Gown side to victory with a few balls to spare.

Gillespie declared the day an outstanding success. "I didn't know what to expect on my way here ... but it is a wonderful facility, a wonderful occasion and a great cause raising money for cancer research. The University should be very proud," he said. **NH**

Above left: Wendell Sailor bowling to former Australian batsman Jimmy Maher

Above Right: Former Australian team-mates Melanie Jones (batting) and Julia Price starred in the celebrity match.

Left: Former Test star Jason Gillespie hit the highest score on 47 not out, including three towering sixes.



## Title-hungry Hippos complete clean-sweep



**Left:** The University of Wollongong Hippos women's football team celebrate their NSW Champion of Champions final victory at Sydney's ANZ Stadium in October. The 6-0 victory over Milton-Ulladulla was the team's 27th straight win for the season, and fifth title. They had already won the State League and League Cup, as well as the Illawarra premiership and minor premiership. **NH**

Photo courtesy of Andy Zakeli (*Illawarra Mercury*).

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