

UNSWWorld

THE MAGAZINE FOR ALUMNI AND FRIENDS

Enter the Chancellor:

David Gonski
takes the chair

- Beyond history and geography:
an address by Goh Chok Tong
- Change and opportunity in
higher education: Brendon Parker
- Thinking outside the square:
the cross-faculty professors



Notice of election 2006: graduate representatives to the University Council

Have you ever considered serving your University as a graduate representative on the University Council? Your experience and ideas can have an impact on the future of the University and positively benefit the next generation of students.

UNSW will be calling for nominations in February 2006 from graduates of the University for the election of four graduate members to the University Council. Under the University of New South Wales By-law 2005, two of the available positions will have a two-year term and the other two available positions will have a four-year term. All positions will commence their terms of office on 1 July 2006. From 2008, there will be elections held every two-years for two graduate members to serve four-year terms each.

Who is eligible?

If you are a graduate of UNSW, or any of its forming institutions, you are eligible to stand for election with the following exceptions:

- i. If you are currently undertaking undergraduate or postgraduate studies at UNSW you cannot stand for election;
- ii. If you are currently a staff member of UNSW you cannot stand for election.

NOTE: If election to Council means that you would be serving more than 12 consecutive years in office, the Act provides that you may not be elected without Council approval.

All graduates of UNSW, or any of its forming institutions are qualified to vote.

How to nominate

Nominations will open on Monday 20 February 2006. Completed nomination forms must be lodged with the Returning Officer **before 5:00pm on Monday 20 March 2006**. Each nomination form must be signed by two graduates and endorsed with the signature of the candidate.

To obtain a nomination form:

- collect a nomination form from the Reception counter, at the main entrance to The Chancellery, UNSW
- request a nomination form from the Elections Office (see below)
- print a nomination form from the internet at <http://www.elections.unsw.edu.au/>

Elections

If necessary, a postal ballot will be conducted closing at 5:00pm on Tuesday 6 June 2006. Ballot papers will be posted to persons entitled to vote in the election at their last known address. Ballot papers that do not reach the Returning Officer by close of ballot will not be counted in the election.

Where to enquire

Enquiries about the currency of voters' addresses should be directed to the Marketing & Development Office at UNSW +61 (2) 9385 3279 or email alumni@unsw.edu.au. If you have other enquiries concerning the election, please contact the Elections Office by phone on +61 (2) 9385 1546 or email elections@unsw.edu.au.

Your Creativity + Our Vision = Earth's Future

The Institute of Environmental Studies (IES) at UNSW offers three **CROSS-DISCIPLINARY** post graduate programs – Graduate Certificate, Graduate Diploma or Master of Environmental Management.

Study full time, part time, on campus or via distance – IES is as flexible as you are.

The core and fundamental knowledge courses complement your existing knowledge from your undergraduate degree.

Then the choice is yours.

Design your program by choosing from a wide range of electives, including topics such as understanding the greenhouse issue, media advocacy, environmental accounting, lifecycle assessment, transport and local sustainability.

Academic advisors are able to offer guidance to ensure that you maximize the learning and outcome from your time with IES.

Visit our website to discover what our graduates (Alumni) are doing now, and read about current student experiences.

Applications for study in 2006 are now being accepted.

Institute of Environmental Studies
Ph: 612. 9385 5687
E: ies@unsw.edu.au
W: www.ies.unsw.edu.au



Welcome from the Vice-Chancellor



Firstly I'd like to thank all of you who contacted us with feedback on the last edition of Alumni News. We have incorporated your comments into this edition, and you will notice among other things, a new name, UNSWorld (thanks to Dr Ian Walker for this suggestion), a new look and contents designed to provoke thought and reflect the current teaching and research activities on campus, as well as providing a closer link with our development activities.

2005 has been momentous in terms of new appointments. In August, we were delighted to welcome a new Chancellor, following the retirement of Dr John Yu AC. David Gonski AO has had a long association with UNSW and is the first alumnus to be appointed to the role. He has been a member of the Board of Directors of the UNSW Foundation since 1999, is well known for his advocacy of corporate social responsibility and is widely regarded as one of the foremost thinkers in Australian corporate law.

We have also been pleased to announce the appointment of Fred Hilmer AO as our new Vice-Chancellor. He will officially start in the role in June next year. Mr Hilmer has had a distinguished academic career, both here and overseas, with degrees in law from Sydney University and the University of Pennsylvania, and an MBA from the Wharton School of Finance, where he was appointed a Joseph Wharton Fellow. From 1989 to 1998 he was Dean and Professor of Management at the AGSM.

Mr Hilmer served for seven years as CEO of John Fairfax Holdings. He has held directorships with some of Australia's leading public companies, and chaired a number of major public bodies, including the Commonwealth Higher Education Council and the National Competition Policy Review Committee. He therefore brings to the role of Vice-Chancellor a rare combination of experience at the highest levels of business, academia and public life.

We have also appointed Professor Greg Whittred as the inaugural President of UNSW Asia. He will take up his new role in November this year. Greg is currently the Dean of the Faculty of Commerce and Economics, a position he took up in February 2002 after eleven years as a Professor at AGSM. Greg is an alumnus, with a PhD from the AGSM at UNSW in 1986. He has long had an association with Asia, having lived and worked in Singapore, Hong Kong and Shanghai. As Dean, he has shown great leadership in alumni relations within the faculty.

Professor Peter Smith returned to Australia in August to assume the position of Dean of Medicine at UNSW, after four years as Dean of the Faculty of Medical and Health Sciences at the University of Auckland. Professor Margaret Harding was appointed as the Dean of Graduate Research in July. The new Graduate Research School, which opened for business in October, will deliver the services required to support postgraduate research students and supervisors.

In other research news, four UNSW science researchers scooped the pool at the 2005 Eureka Prizes, taking out three of the prestigious awards – more than any other university or institution. Associate Professor James Franklin, Professor Veena Sahajwalla, Associate Professor Brett Neilan and Dr Brendan Burns won the valuable prizes for research spanning scientific ethics, environmental sustainability and the origins of life.

The University also announced the winner of its international competition to develop the Master Plan for the new UNSW Asia campus in Singapore. Internationally acclaimed architect Kerry Hill was the unanimous choice of a 10-member selection panel, which included world-renowned Australian architect and UNSW alumnus, Dr Glenn Murcutt AO. We also set up a Foundation in Hong Kong which means that alumni living in Hong Kong can give and gain tax benefits. Further afield, we have set up a similar Foundation in the US.

Finally, we were pleased to host our annual Wallace Wurth lecture on 27 September, with an attendance of well over 1000 guests. Former Australian Foreign Minister Gareth Evans gave an insightful speech on The Global Response to Terrorism.

Professor Mark S Wainwright AM
Vice-Chancellor and President

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Editor: Louisa Wright
Design: Gadfly Media
Cover image: Peter Sharp, *Shadow Portrait*, 2003
Printed by Rostone Print,
10/71a Rhodes St Hillside NSW 2036
Australia Post print approved
PP224709/00021
UNSW, Sydney NSW 2052
CRICOS Provider No 00098G

Highlights 2005

Sultan of Brunei visits UNSW

UNSW literally rolled out the red carpet in February for the first visit by a royal head of state in more than 30 years. His Majesty the Sultan of Brunei was welcomed by Vice-Chancellor Professor Mark Wainwright and senior academics for his only visit to a university in Australia during his official state visit.

His Majesty met UNSW's two dozen students from Brunei and spoke briefly to each of them. On his tour of the campus, His Majesty visited two of UNSW's internationally recognised research centres, the Centre of Excellence in Advanced Silicon Photovoltaics and Photonics, and the Centre of Excellence in Quantum Computing Technology, as well as the Scientia building.

Brunei has a number of educational links with Australia and in 2004 had more than 700 students at Australian institutions. At UNSW, they are predominantly enrolled in petroleum engineering. UNSW students from Brunei are also enrolled in marketing, pathology, surveying and art programs. ■



BRITTA CAMPION

The Sultan of Brunei (centre) with Professor John Ingleson and the Bruneian entourage on a tour of the campus

Three, two, one, go



Drs Tamara, Veronica and Martina Preda

Three UNSW medical students were the world's first recorded instance of triplets graduating together from medicine, when they received their testamurs at last December's graduation ceremony. Tamara, Veronica and Martina Preda have started work at Liverpool Hospital, alongside fellow UNSW medical graduates, twins Anne and Dianne Tran.

In the same graduating cohort was Casey Wadwell, the first Indigenous student to complete UNSW's Pre-Medicine Program and go on to become a doctor. She has returned to her home area to begin work at Tamworth Base Hospital. The Pre-Medicine Program, now in its seventh year, is designed to address the national shortage of Indigenous doctors. ■

Meet the CEO: Michael Hawker

Michael Hawker, CEO of Insurance Australia Group and former Wallabies Vice-Captain, was the guest speaker at the final Meet the CEO event for 2005. Defining what *can't* be done allows innovation to flourish, he said in the on-stage interview with Helen Trinca from the Australian Financial Review's *BOSS Magazine*. Trust is the key to successful teamwork, and the team-focused culture at IAG is something of which Mike Hawker is justly proud. "You have to trust others to serve the customer the way you would," he said.

In front of a capacity audience of alumni, students and friends of the Faculty of Commerce & Economics, he shared his thoughts on what makes a great leader. From 'competence and capability', influence is born, and influence leads ultimately to success. Mr Hawker also stressed that great leaders care more about the people who work for them than for themselves.

Earlier speakers in the series during 2005 included Richard Pratt, chairman of Visy Industries, and Qantas CEO Geoff Dixon. ■

Taxing times with OECD

UNSW's taxation school, Atax, is to become the only Australasian institution in the OECD International Network for Tax Research, which includes universities such as Harvard, Cambridge, the Sorbonne, the National University of Singapore, the University of Hong Kong and the University of Leiden. The network's steering group, which met for the first time in London last month, will drive research that will assist both OECD and non-OECD countries to formulate international and domestic tax policies.

"This is an exciting development for Atax," director Professor Chris Evans said. "It reflects our global leadership credentials in tax and will expand our contribution to international tax research and debate." ■

The business of language

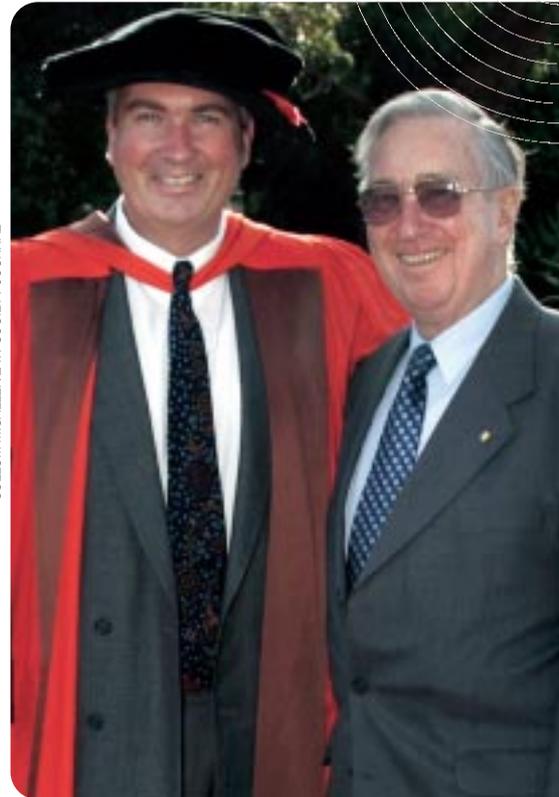
Australian export businesses now have a partner to help them address the issues of appropriate cultural awareness, intercultural communication and business language: the National Centre for Language Training (NCLT). Announced by the Federal Government last year as part of a \$113 million package of measures to support Australia's international engagement, the NCLT is based at UNSW and operates through a consortium of national partners, including five universities and the Australian TAFE Consortium (ATCON).

The centre provides customised services including language and cultural readiness assessment, short courses in practical business language and seminars and workshops on cultural awareness. The National Centre for Language Training office is located at the Australian Technology Park, the site of the former Eveleigh Railway Workshops. ■

Ross Woodham Scholarship

In August the University's commercial arm, NewSouth Global, announced the establishment of the Ross Woodham scholarship at Mahanakorn University in Bangkok. The scholarship recognises the significant contribution Ross made to developing the relationship between Mahanakorn and UNSW during his lifetime.

The scholarship is designed to enable undergraduate engineering students to improve their English language skills through study at the UNSW Institute of Languages. The first recipients of the scholarship will take up their awards in early 2006. ■



CULLUM MICALLEFLAW SOCIETY JOURNAL

Father Brennan and Sir Gerard Brennan

Formation of the UNSW Hong Kong Foundation

The University has recently established the UNSW Hong Kong Foundation. Its purpose is to undertake development activities on behalf of the University that will provide, amongst other benefits, scholarships for Hong Kong students to attend UNSW in Sydney and Singapore.

The Directors of the Hong Kong Foundation will be Professor Mark Wainwright; Professor John Ingleson; Clare Taylor, the UNSW Director of Marketing & Development; Rod Houg-Lee the Head of the Hong Kong Alumni Executive Committee and Dr Ronald Lu the patron of the local alumni chapter.

Liddy Korner, Manager of UNSW Hong Kong, has been instrumental in the establishment of the Foundation and was also on the selection panel for the UNSW Hong Kong Alumni Chapter's first scholarship. The scholarship was awarded to Li Wai Tak, a first-year optometry student. Wai Tak was also a Foundation Studies student in 2003. ■



Hong Kong Office Manager Liddy Korner with colleagues Lily Ng and Peggy Lee

Brennan and Brennan

Jesuit priest, lawyer and writer Father Frank Brennan received an Honorary Doctorate of Laws last month. Father Brennan is the author of a number of books on Indigenous land rights, reconciliation, civil liberties and refugees, and is professor of human rights and social justice at the Australian Catholic University and the University of Notre Dame. His father, former Chief Justice of the High Court Sir Gerard Brennan, received an Honorary Doctorate of Laws at UNSW a week later, also in recognition of his eminent service to the community. Both were guest speakers at their conferring ceremonies. ■

UNSW's 2005 Federation Fellows

Scientia Professor Tom Davis, of the School of Chemical Engineering and Industrial Chemistry, and Associate Professor Matthew England of the School of Mathematics have been named Federation Fellows, two of the fifteen researchers in Australia. A further nine fellowships were awarded to expatriate Australians and foreign nationals, including UK neuropsychologist Professor John Hodges who will come to UNSW's School of Psychology.

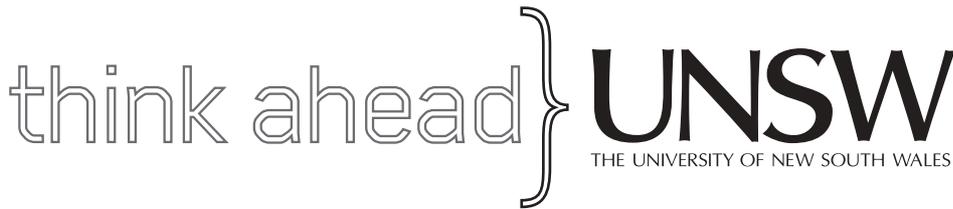
The prestigious Federation Fellowships are the richest publicly funded research fellowships to be offered in Australia, valued at \$235,000 a year for five years. ■

Photovoltaics: the \$2 million men

Professor Martin Green and Dr Gavin Conibeer have won a Stanford University Global Climate and Energy Project (GCEP) grant estimated at US\$2.37million. Professor Green of the Centre of Excellence for Advanced Silicon Photovoltaics and Photonics, and Dr Conibeer of the Centre for Photovoltaic Engineering will lead a team of ten researchers investigating nanostructured silicon-based tandem solar cells.

"This award allows us to explore a very original approach to solar energy conversion that uses abundant materials and little energy, but promises high performance and low costs," Professor Green said. ■

Think ahead: a new visual identity for UNSW



UNSW reveals new advertising campaign and slogan

UNSW has already built an enviable reputation as one of Australia's most prestigious universities, however most people do not know the depth and breadth of what is happening within the University. Marketing from UNSW therefore has to capture one's imagination in order to make people look deeper.

After inviting several advertising agencies to creatively pitch, UNSW has embraced a new slogan for marketing and advertising communications. The new slogan is designed to appeal to all stakeholders in the wider university community including high school students, potential postgraduate students, corporations and the general public.

The new slogan was unveiled to the public in October and September through a high-frequency advertising campaign in Sydney newspapers and on the sides of buses. Three simple but striking creative executions served the dual purpose of promoting the Postgrad Expo and the new



slogan. Based on market research conducted with target audiences, the advertising has achieved cut-through in these mediums, with the feature advertisement being the sassy 'bike to Porsche' creative execution.

UNSW plans to use this slogan in all marketing collateral over the long term to become enduring and memorable in consumers' minds. ■





David Gonski's association with UNSW started in childhood, just two years after his family emigrated from South Africa. Aged nine, he sat on his father's shoulders at the opening of the UNSW Medical School in 1963. Now 85, Gonski senior, who taught at UNSW for 20 years and dissected many of the specimens still in the Anatomy Museum, was the most excited of all the family at his son's appointment to the Chancellorship in August.

David Gonski's formal association with UNSW did not end after his graduation with a BCom LLB in 1977. That year, aged 23, he joined the leading law firm, Freehills, and also took up a part-time lectureship in the law school, teaching industrial and intellectual property. He continued teaching for five years, during which time he became a partner at Freehills aged 25.

In the mid-1990s he was asked to participate in the fundraising program for the Scientia building and then joined the University Foundation. His lifetime links with Kensington extend throughout his family: his

wife and his three siblings are UNSW graduates and his two older children presently attend UNSW.

"I have a love for education," Mr Gonski said. "It is not only one of the most interesting areas of human endeavour but one of the most essential. This university has been such a part of my life and the lives of my family. The Chancellorship gives me the opportunity to give something back and to be involved in its growth."

He has been a company director for 23 years – 27 if he includes a not-for-profit organisation, a school for disabled children – and has a range of chairmanships to his credit. Some that are potentially incompatible with the Chancellorship will go but the range and pace of involvement will not change. "Something I learnt at university was time management – I'm very good at it. I don't take on anything that I can't do or can't fit in with my private life."

The issue of philanthropy, and how to create a climate to encourage people to donate, has long occupied him, not only in

the context of education but also his other passion, the arts. Seven years ago he became a member of the Prime Minister's Business and Community Partnership, and chairman of that organisation's taxation sub-group. Extensive work followed with the government to change tax provisions that actively discouraged charitable donations. As a result, in the past five years, 300 new philanthropic foundations have been established in Australia that have disbursed \$17 million dollars a year to charity over the last two years alone.

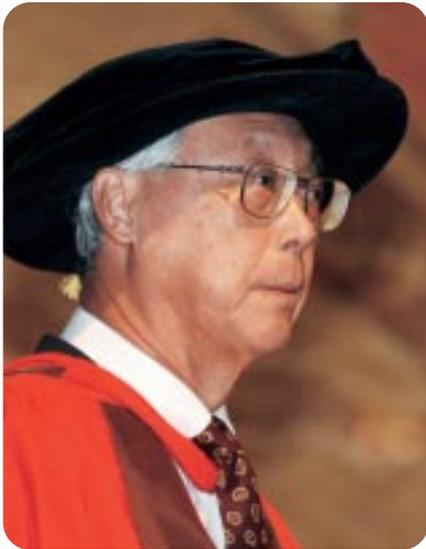
"I believe very strongly in philanthropy," he said. "And if philanthropy is increasing, why are people not giving back to the universities they attended? Perhaps because they see them as commodities. We have to change that."

He has been gratified by the response to the announcement of his appointment as Chancellor. "I have been surprised by the warmth people have shown," he said. "People are stopping me in the street and congratulating me. The goodwill is there. Now we have to translate it and get people feeling they are actively linked to the university they attended. It's the next stage." ■

A passionate supporter of the arts, David Gonski has had a long relationship with many branches of the arts and is the chairman of the Australia Council for the Arts. He jokes that his city office is perfectly located, giving him a direct line of sight to both UNSW and the Art Gallery of New South Wales, of which he has been president for nine years: "one more to go". The greatest perk of his Art Gallery position, he considers, has been to adjudicate the past nine Archibald Prizes, using his mediation skills to reach decisions by consensus. He considers Gallery director Edmund Capon "inspirational – even though he hates to use the red carpet". From his office window one day he looked across the Domain and saw a red carpet decking the Gallery's front steps. He picked up the telephone and rang Mr Capon, who told him it was there "only because Dame Edna insisted".

Beyond history and geography: Australia in Asia

An address by Goh Chok Tong SM



When I graduated from the then-University of Singapore, my career plan was to study for a PhD and be an academic. But that was not to be. I was bonded to serve the Singapore Government and I became a civil servant. A few years later, I was seconded to serve in Singapore's fledgling national shipping line. From there, I was drafted into politics. So you could say that I failed to achieve my youthful ambition. But thanks to you, I have achieved half of my dream today.

I am grateful to the University of New South Wales for conferring on me the Honorary Degree of Doctor of Laws. It is indeed an honour not just for me but also for Singapore, which believes in forging closer ties with Australia. Your university is one of the leading universities in Australia and the region – renowned for the quality of its graduates and commitment to creative approaches to education and research. That is why we welcome your decision to set up a campus in Singapore. Yours will be the first comprehensive foreign university to be established in Singapore.

We live in exciting and challenging times. Familiar strategic relationships are being reconfigured or replaced by new ones. Today, I want to reflect on Australia's place in the emerging Asian order.

Asia is on the move, fuelled by the momentum of a rising China and an emerging India. Never before in the history of mankind have we witnessed the simultaneous rise of two huge powers,

whose combined population makes up more than one-third of humanity. Moreover, Japan will continue to be a major player. The relationship between Beijing, New Delhi and Tokyo will profoundly affect the regional environment. Some jostling among them is inevitable, and periodic tensions can be expected. However, I do not expect this to lead to armed conflict.

The US will maintain its global pre-eminence in the political, military, technological and economic spheres for decades to come. America will remain embedded in the East Asian regional order, as it recalibrates its relations with China and India.

Amidst these geostrategic shifts, I believe that Australia has a special role in the region. Australia is a developed country rich in natural resources, talented people and technology. Its political and cultural values are Western but the society has a rich Asian mix. Australia enjoys close ties with the US and Europe. Australia is therefore well placed to serve as another nexus between the West and Asia. But to fulfil this role, Australia's future must transcend its historical legacy and geographical location. On Asia's part, it must take an inclusive and open approach and not be trapped by traditional notions of geography and ethnicity.

For many Australians, debate about their place in Asia is not new. Some of us will remember that in the 1990s, there was an intense – and some would even say angst-ridden – discussion about whether or not Australia was truly part of Asia.

The problem was the assumption of Asia as a homogeneous entity with definite and immutable geographical borders. In reality, Asia has never been defined purely in terms of physical geography. It is characterised by political, ethnic, cultural, linguistic and religious diversity. The notion of a single, unchanging and homogeneous Asia was itself illusory.

Australia's regional security role has become even more important in recent years, with the threat of transnational terrorism. After September 11 and the bombings in Bali and Jakarta, it is clear that Australia can enhance the region's counter-terrorism capacity through co-operation in intelligence-sharing and joint operations. Australia has also contributed generously to the region's humanitarian needs. During last December's tsunami crisis, Australia

contributed a relief and assistance package worth more than A\$1 billion to help affected countries.

In economics, Australia is increasingly sewn into the tapestry of Asian production patterns and trade flows. Last year, the top five Australian export destinations were Japan, China, the US, South Korea and New Zealand. Three were Asian. Australia's top five import sources were the US, China, Japan, Germany and Singapore. Again, three were Asian.

Complementing these linkages are recent trends in the demography of Australia.

A garden university in a garden city

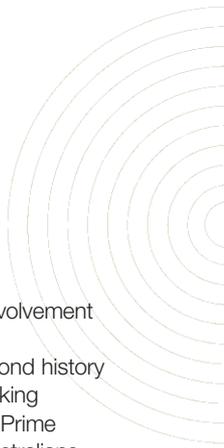
The Singapore-based firm, Kerry Hill Architects, has conceived 'a garden university in a garden city' for the master plan of UNSW's Singapore campus.

A celebrated Australian architect, Mr Hill has practised in Singapore for the past 25 years. His firm was the unanimously chosen winner of an international competition by a panel that included world-renowned Australian architect Glenn Murcutt.

"Kerry Hill's scheme for UNSW Asia has the potential to rank amongst the best campuses in the world," Mr Murcutt said. "It is a unique response to the landscape. The scheme will give a heart to the campus from day one."

Mr Hill envisions the idea of tropicality as "the recognisable identity of the UNSW Asia campus – a garden university in a garden city".

Construction of the campus is planned to begin in 2006 with students commencing in 2009. UNSW Asia will open for business in 2007 in temporary accommodation at the former campus of Singapore's Republic Polytechnic. ■



About five percent, or almost one million, of Australia's population are of Asian origin. This figure will grow. Together with our co-operation in security, economics and education, these people-to-people links bind Australia and Asia to each other.

Singapore, too, has multi-dimensional ties with many countries in several continents. We have strong historical links with the UK. The form of our relationship has evolved from the colonial days, but the strength and durability of ties remain. Of course, these historical ties are not identical to Australia's cultural connections with Europe, but they bear out the essential point that strong links to Asia and Europe are not mutually exclusive.

Similarly, the idea that Australia cannot be part of an Asian grouping because of its alliance with the US is false. Japan,

Thailand, South Korea and the Philippines are treaty allies of the US. India recently embarked on a New Strategic Framework in defence relations with the US, while Singapore has just signed a Strategic Framework Agreement in defence and security co-operation with the US.

A far more constructive approach to the issue of Australia's place in Asia would be to engage Australia in contributing to the region's vibrancy and diversity.

Given the region's diversity, Australia will contribute most by playing a multi-dimensional role. Its status as an ASEAN Dialogue Partner, its membership of the EAS and the proposals for the ASEAN-Australia and New Zealand FTA are a good start. Australia should, for instance, play a constructive role in helping to define the substantive agenda of the EAS. Australia

could also build on its growing involvement in regional capacity building.

Australia is already looking beyond history and geography just as Asia is looking beyond geography and ethnicity. Prime Minister Howard has said that Australians need not tie themselves "in knots defining Australia's place in the world with some unyielding, rigid formula". This is good advice. I would add, neither should we tie ourselves in knots defining Australia's place in Asia. Australia is in Asia. ■

This is an edited version of the speech given by Mr Goh Chok Tong, Senior Minister of the Republic of Singapore, at a ceremony in September during which he received an Honorary Doctorate of Laws.



Kerry Hill speaks about UNSW Asia

Where do you start the concept of designing a university that is a foreign presence?

By imagining I am a student thinking about what kind of special place I would like the university to be; a place that allows students (and staff) to manage the social dimension of learning; a place with generosity of spirit; a place that imparts a sense of belonging. You envision a 'garden university in a garden

city'. Can you expand on your design vision for the UNSW Asia campus?

The design embodies the idea of 'tropicality' as the recognisable identity of UNSW Asia. It is not just an image but a physical representation of the tropics.

You're renowned for embodying the environment in your work. How important is the landscape in the campus scheme? And how

does this plan draw on your previous work?

The design begins with a landscape matrix. It is the notion of a campus where landscape becomes the object and buildings are placed within it. In this way, landscape sets the structure of the campus and informs its growth. I believe this proposal brings together the best of our efforts from 25 years of practice in Asia. ■

At the heart of the matter: inside the Centre for Vascular Research

The fourth floor of the Wallace Wurth Building is an unassuming space, with faded posters and labyrinthine corridors covered in laminate. But it is here that you find some of the most highly regarded medical researchers in the country, who are members of the Centre for Vascular Research (CVR).

"I really wanted to build a research group in a hospital and university environment, rather than an institute," founder and Director, Professor Colin Chesterman, said. Professor Chesterman now presides over a centre that has also grown to include laboratories at the Australian National University and Monash University, as well as St George Hospital and the original lab in the Department of Haematology at the Prince of Wales Hospital.

The centre is gaining momentum, winning 18 of the 21 research grant applications it submitted for 2005. That figure represents an astonishing 86 percent success rate, far above the national average of 20 to 30 percent. "The success of the CVR in funding alone shows that we are really maturing as an organisation," Professor Chesterman said.

Eight of the CVR's 14 research groups are based at UNSW. One, the Disulphide Switching Group, is led by Professor Philip Hogg. This group is responsible for a discovery that could become an entirely new field of research in itself. Professor Hogg and his team have discovered a new mechanism governing proteins, which can determine what they do.

"People thought that disulphide bonds held proteins together, but were otherwise inert," Professor Hogg said. "Since the late 1990s we have shown that some disulphide bonds actually control how proteins work, rather than just hold them together."

The process, which they dubbed disulphide switching, has been shown by the CVR to occur in four different proteins so far – but the research could have a far greater impact. "The indications are that disulphide switching may be relevant to all life forms," Professor Hogg said.

The research has led to the development of a drug, GSAO, which inhibits tumour blood vessel formation and tumour growth (see box).

Researchers at the CVR are also working towards developing drugs to combat cardiovascular diseases. "My work is largely focused on atherosclerosis, the build-up of fatty deposits on the inside walls of arteries," said biochemist Professor Roland Stocker, head of the Vascular Redox Processes Group who looks at oxidation reactions involving free radicals and other oxidants.

"We have had a surprise finding with one drug, called Probucol, which is already used on people who have heart disease, or those who are at high risk of it," Professor Stocker said. "We have done tests on animals which show that the drug has several protective activities unrelated to the oxidation of cholesterol. It actually has benefit on a cellular level."

Associate Professor Wendy Jessup, who with Associate Professor Len Kritharides leads the Macrophage Biology Group, is also interested in atherosclerosis. "Our main interest is in the cells that are accumulating cholesterol and getting rid of it," she said. "We want to find out how it works in healthy cells and then how it might go wrong in atherosclerosis."

One project looks at a protein that acts as a cholesterol 'pump' to remove cholesterol from the cells. Professor Jessup hopes to establish how these pumps work and how to stimulate or block them, through the development of new drugs.

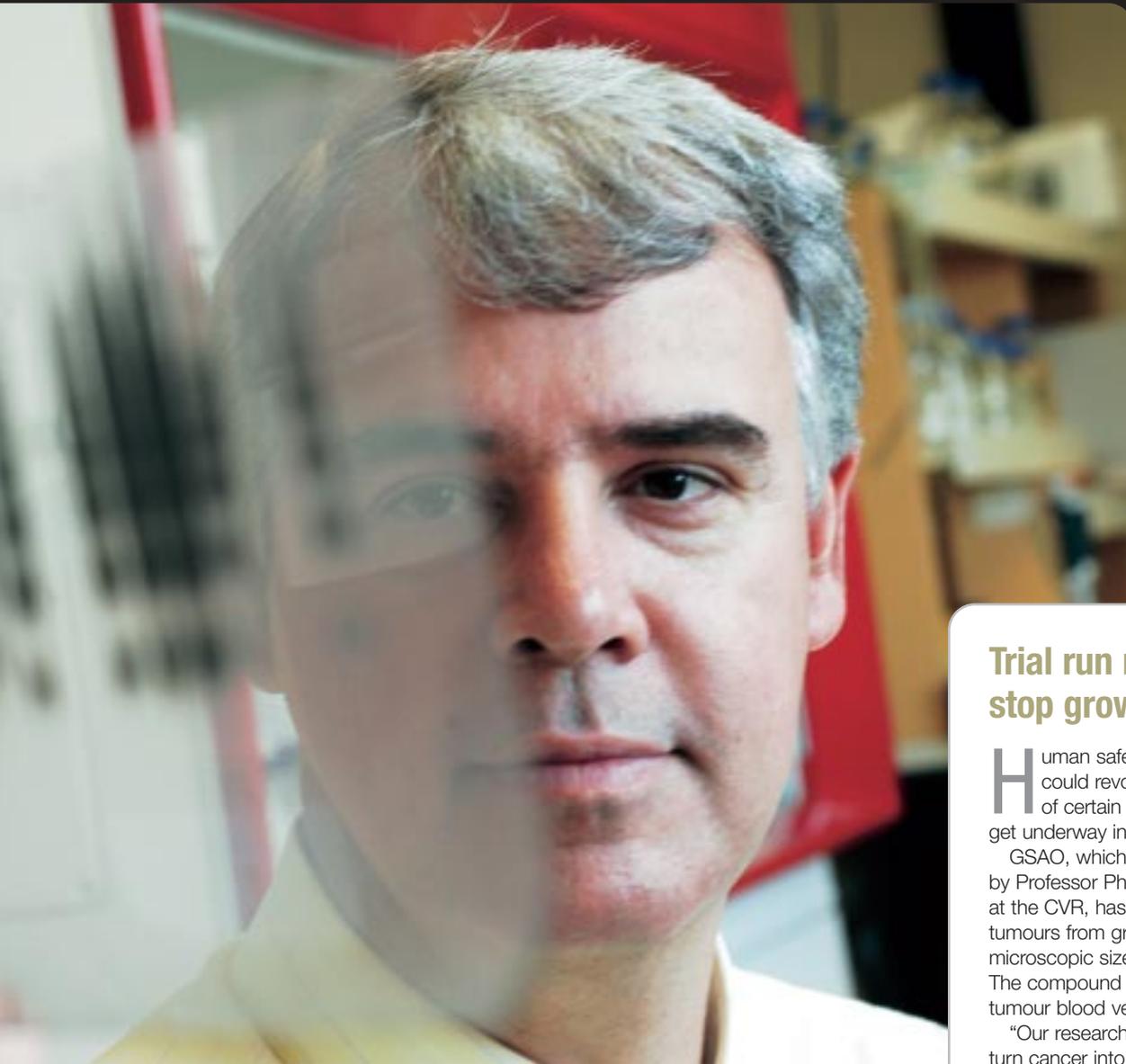
Some of the research from the CVR explores the very building blocks of life to come up with clinical applications. Professor Levon Khachigian, head of the Transcription and Gene Targeting Laboratory at the CVR, leads a team interested in gene therapy and anti-gene therapy.

"Gene therapy is defined by the introduction of a given gene, which may well already be expressed at the site of interest at low levels, and just topped up," Professor Khachigian said. "Anti-gene therapy is when you use strategies to knock down a so-called bad gene."

Most recently his lab has had significant success in anti-gene therapy with DNA enzymes. "These molecular tools are



One of the clear reasons the CVR has been so successful is because of the wonderfully talented people who are a part of it



BRITTA CAMPION

essentially tiny bits of DNA that we have custom-designed to find and destroy the gene of interest," he said. "They bind to a string of genetic material which arises from the DNA, called RNA, and snip it."

RNA is significant because it is the go-between in the conversion of genetic code into protein, which ultimately controls cell behaviour. Professor Khachigian hopes these DNA enzymes might be used as drugs. While his anti-gene therapeutic studies show great promise, his lab's efforts in gene therapy are also showing potential.

"The idea we're exploring is that gene therapy might also be used in the injured vessel wall to add back a repressor or suppressor of growth," he said. "That should give the same result as an anti-gene therapy, depending on the growth gene being targeted or anti-growth gene being over-expressed."

Professor Beng Hock Chong is the leader of the Platelet and Megakaryocyte Group, which hopes to

develop new ways to treat heart and blood diseases. The work concentrates on the studies of the genes that regulate stem cell differentiation to heart muscle cells and blood cells.

"I believe that one day we could inject bone marrow stem cells into someone who has had a heart attack," Professor Chong said. "If we understood how to manipulate the genes, then you could take some stem cells, and inject those into the heart, effectively creating some new, healthy heart cells." Professor Chong said this could eventually prevent people from having to wait for a heart transplant.

"Understanding the genes which regulate the stem cells differentiating into blood cells will give us an insight into the mechanisms of blood diseases such as leukaemia," he said. "This could lead to the better diagnosis and treatment of these diseases." ■

More information about the CVR is at www.cvr.net.au.

Trial run may stop growth

Human safety trials of a drug that could revolutionise the treatment of certain types of tumours will get underway in early 2006.

GSAO, which has been developed by Professor Philip Hogg and his team at the CVR, has been shown to stop tumours from growing larger than microscopic size in pre-clinical testing. The compound works by inhibiting tumour blood vessel formation.

"Our research focuses on trying to turn cancer into a disease that can be managed on a lifelong basis," Professor Hogg said. In principle, this compound should be effective against all solid tumours. GSAO derived from the concept of disulphide switching, which Professor Hogg and his team discovered in 1997.

"This protein chemistry we described happens mostly outside the cell and drugs that target this process don't have the burden of crossing the cell membrane," Professor Hogg said.

The Cancer Council NSW has recently given Professor Hogg significant extra funding to further his research. This follows a five-year grant of more than a million dollars from the Council that was awarded in 2000. If the human safety trials of GSAO are successful, further trials to test whether it works are planned for late 2006 in Australia and probably North America.

"There is nothing that would please me more than to do something that makes an impact on human health," Professor Hogg said. ■

Thinking outside the square: introducing the cross-faculty professors



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2005 has seen the appointment of five outstanding academics appointed to UNSW's new cross-faculty chairs, established as part of a bid to capture new areas of groundbreaking collaborative research. The appointments follow an international and nationwide search for outstanding academics able to transcend traditional boundaries between disciplines. The Professorships are funded by and named for the University's commercial arm, NewSouth Global.

Health and human rights: Daniel Tarantola

Daniel Tarantola's passion for health and human rights stretches back 35 years to his native France. As a young doctor with an interest in international events, he saw the injustice of health aid being tied to political motives. The small group he helped to establish went on to have a big future, the Nobel Peace Prize-winning Médecins sans Frontières (MSF).

"Until MSF started, official government assistance or formal non-governmental agencies and faith-based groups active in humanitarian health work were limited by their political or ideological focus," Professor Tarantola said. "We felt that there was a need for a way in which doctors could intervene in any conflict situation or disaster and focus on the victims, regardless of how governments looked upon them."

Professor Tarantola was MSF's first doctor to travel to the West African country of Upper Volta, now known as Burkino Faso, where chronic poverty had been aggravated by a catastrophic drought. It was the first of many such stints, such as a posting in the 1970s to northern Bangladesh where he supervised the World Health Organization team

responsible for the eradication of smallpox and attended the last case of this disease in Asia.

"My experience has shown that if you really want to achieve significant impact through sound public health practices, you can't solely do it from a medical or health approach," he said. "You have to involve a variety of disciplines, in particular law and social sciences."

It is this multidisciplinary approach that attracted Professor Tarantola to the NewSouth Global Chair in Health and Human Rights. "This position is unique in that it brings three faculties together. There is nothing like this anywhere else in the world," he said.

Professor Tarantola will bring together researchers from Medicine, Arts and Social Sciences, and Law to work on issues such as HIV/AIDS, migration, post-conflict situations and others where the neglect or violation of human rights breed ill health and poverty.

"Where action is most needed now is in the research field and the documentation of the powerful synergy between health and human rights. We need to collect the evidence and make it known. UNSW has created an innovative opportunity to bring out this evidence through multidisciplinary research and make it the essence of our teaching."

New Media Narrative and Theory: Vivien Johnson

Indigenous art has been a lifelong obsession for Vivien Johnson, the NewSouth Global Professor of New Media Narrative and Theory, who has spearheaded the recognition of Indigenous art as part of contemporary Australian art and promoted awareness of copyright issues and the need

for law reform in relation to Indigenous art safeguarding.

"I consider Indigenous art to be the most important art movement to have occurred in Australia to date," said Professor Johnson, whose cross-faculty chair spans COFA, Arts and Social Sciences, and Law. Most recently with the Centre for Cross-Cultural Research at ANU, she has combined ethnographic, sociological, philosophical and art history research. Her role at UNSW will focus on Indigenous art and new media, copyright and cultural sovereignty issues, and a new Australian art history.

Professor Johnson's biographical dictionary of Western Desert artists will form part of the blueprint to be developed for the Dictionary of Australian Artists Online.

"It's a revolutionary development to include Indigenous artists alongside non-Indigenous artists across the entire landscape of Australian art since colonisation," Professor Johnson said. "One of the ways for Indigenous artists to be recognised as contemporary artists will be for their work to be explored thoroughly and documented in the same way non-Indigenous work might be. However, in compiling the dictionary, we must ensure it's designed with database



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fields and search categories that are genuinely cross-cultural.”

The 1990s boom in contemporary Indigenous fine art has seen Professor Johnson's focus shift to the campaign for intellectual and cultural property rights for Indigenous artists and communities and the issue of Indigenous art forgery. Professor Johnson will continue her pioneering work on forgery at the University through *The Clifford Possum Project: On Forgery and Forensics in Indigenous Art*.

Another major project Professor Johnson will undertake at UNSW is an exhibition of large Papunya Tula canvases from the 1970s from the National Museum of Australia collection. She will also undertake research on urban Indigenous art, with particular focus on NSW. “Artists like Gordon Syron pioneered a tradition of angry political Indigenous art which addresses issues that people don't like to think about,” Professor Johnson said. “But that's one of art's most important functions in our society: to challenge people.”

Criminology: Chris Cunneen

For Chris Cunneen, the NewSouth Global Professorship in Criminology brings with it two valuable prizes: a research budget and time.

“It's very exciting to have a research chair of this standing,” Professor Cunneen said. “In the area of criminology, there previously haven't been these opportunities available in Australia.

“There are some excellent people in criminology in various faculties here, so the idea of working with them and putting together joint research proposals to further develop the profile of criminology is also very appealing.” Building on the University's criminology research group, the professorship in Criminology involves the faculties of Law, Arts and Social Sciences, and Science.

“The other area that's an important part of the role of the professorship is to establish

and deepen the links that we have outside of Australia – that's important,” he said. “I plan to pursue more international collaborations, particularly in emerging areas of concern such as criminalisation and human rights abuses.”

Collaboration is an important theme in Professor Cunneen's approach. He is a committed advocate of interdisciplinary activity – a key part of the NSG Professor's role. “Criminology as an area of study is inherently interdisciplinary, in that it draws on law, history, sociology, psychology and medical sciences, so it is an area of study that lends itself to this approach.”

It was this broad range of intellectual traditions that attracted Professor Cunneen to criminology. “My interest came from the disciplines of history and sociology, not law. My focus has always been on the institutions of crime control rather than, say, the psychology of offending. But that's what is so appealing about this area – there is not just one way of looking at an issue.”

Also on Professor Cunneen's list is a significant project on prisons, which he hopes will draw on the expertise of UNSW academics to look at the growth in the use of imprisonment over the last 20 years in Australia.

Multidisciplinary Design: Richard Hough and Davina Jackson

Richard Hough is a leading structural engineer and a principal with one of the world's largest independent integrated design firms. Davina Jackson is an architectural writer and curator and a promoter of progressive architecture and design. Together the two, who have complementary positions as Professor and Associate Professor of Multidisciplinary Design, personify the goals of their appointment.

“It's a bringing together of the yin and the yang, I suppose,” Professor Hough said. “Lots of architects notice there's another half to what they do and vice versa [with engineers]. Our job is to bring those roles more closely together.”

In looking for connections between the faculties of Engineering, the Built Environment and the College of Fine Arts, the pair is working towards an integrated approach to design.

“It is up to engineers and architects to



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articulate consequences and future scenarios,” he said. “We've been on a path of material development so far. We need to ask ‘How does society need to grow? What kind of society do we want?’ In my mind, this is the bigger context in which this position sits.”

Not that the artistic aspect of design is downplayed. Professor Hough, a principal with the international Arup Group, believes we need iconic and beautiful projects to draw attention to such easily overlooked factors as the energy efficiency of a building, for example.

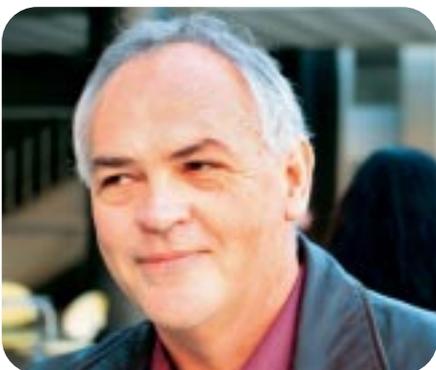
“Our broader based vision of design and how we can use it could also be a major boon to our economy,” Associate Professor Jackson said. “I believe we have a major export industry in property development – creative services that we can offer to countries around the world.”

Extending UNSW's reach internationally is an important part of the Multidisciplinary Design agenda. Workshops have been conducted with Politecnico di Milano, a key design centre in Italy, to build a collaboration that will form the basis of a design initiative in NSW. ■

The first NewSouth Global Professorship to be announced, in early 2005, was that of biochemist Caroline (Lindy) Rae, who was appointed as NewSouth Global Professor in Brain Sciences based at the Prince of Wales Medical Research Institute.

“Studying the brain is like looking at a room through a keyhole,” said Professor Rae, who is internationally recognised for her expertise in magnetic resonance. “You get a very narrow perspective. By providing an interdisciplinary approach, it will be like having dozens of keyholes.”

ALEX CLARK



Change and opportunity in higher education: a perspective from Engineering

BY BRENDON PARKER

These personal comments are prompted by the recent discussion paper from Brendan Nelson (Minister for Education, Science and Training) entitled *Building University Diversity*. They are written from the point of view of my position as the leader of a large and successful engineering faculty that enjoys an excellent reputation for its research and the quality of its graduates. My task is to sustain and enhance that reputation in a climate of a reduction in the real value of government funding per student.

Engineering is vital for a prosperous and sustainable future for Australia and a significant number of our best and brightest young people need to be attracted to the profession. The Nelson paper canvasses a number of options for the future that include teaching-only universities, opening up tertiary education to private and international providers and specialist institutions focusing on a limited range of programs.

It is interesting to look at the present discussion in the context of engineering education prior to the Dawkins reforms of the late eighties. In those days professional engineering programs were offered by a small number of universities (twelve) and there were many sub-professional engineering-related programs in the Colleges of Advanced Education. The engineering workforce consisted of a small number of professional engineers directing the work of a larger number of sub-professionals.

The Dawkins reforms resulted in professional engineering programs in 34 universities and a large reduction in the sub-professional workforce. At some institutions, entry to engineering is not demanding in terms of UAI and this has changed the perception of young people in their choice of program. Many graduates now fulfil the roles previously undertaken by sub-professionals, further eroding the standing of the profession in the eyes of the community. Professions such as law and medicine were much less affected by the Dawkins reforms and have been able to maintain their standing.

The possibility of teaching-only universities may provide the opportunity to return to a small number of professional engineering schools in research-intensive universities with sub-professional degrees offered in the teaching-only institutions. Graduates from sub-professional programs could continue into professional schools or they could enter the workforce, helping to meet the massive skill shortage. Germany has an excellent system of three-year and five-year programs and the European education reforms emerging from the Bologna accord will see a somewhat similar structure adopted throughout Europe.

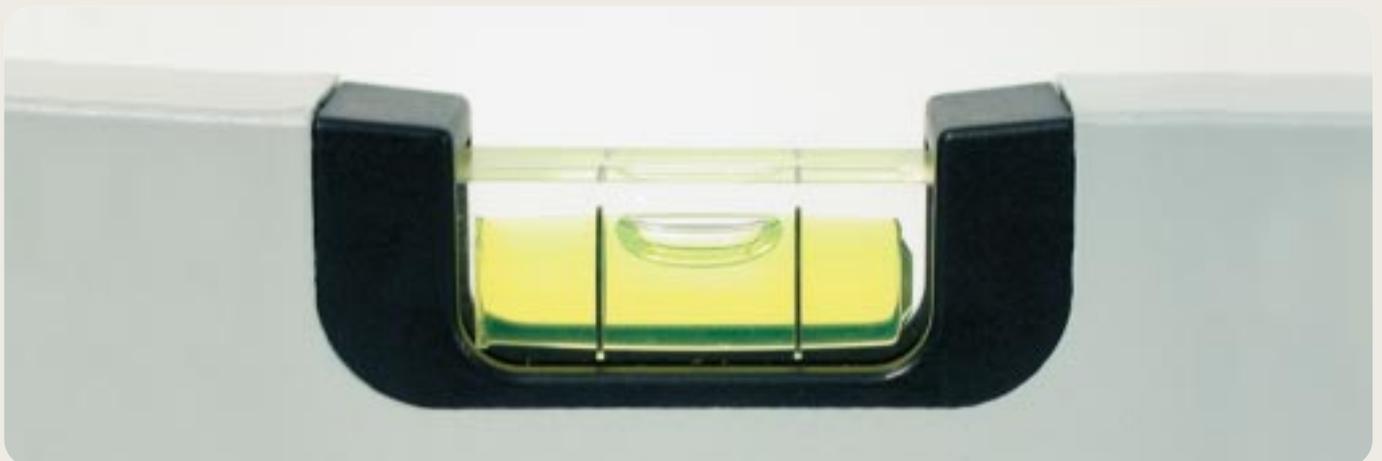
It is unlikely that private providers will offer undergraduate engineering. Curricula and resources are strongly influenced by the need for professional accreditation and this makes engineering very expensive to deliver. Maintenance of standards is essential in the interest of the safety of the community. Private providers may be attracted to the

delivery of lower cost, high-demand programs (for example, business and law). This may affect the overall economies of publicly funded universities, which will need to provide expensive disciplines such as engineering and medicine and programs essential to our culture such as those in the humanities.

There is a view that the best engineers in the world come from specialist institutions that focus on science and technology. Imperial College, MIT, Ecole Polytechnique in Paris, ETH Zurich, KTH Stockholm, HKUST in Hong Kong and the Indian IITs come to mind. It may be, however, that the perceived excellence of these institutions is due to their ability to attract the very best students rather than their nature as specialist institutions. They attract top students because the community is aware of the impact of their research and the success of their graduates. The specialised nature of their programs makes it easier to articulate their mission to the community.

In conclusion, there is opportunity and challenge ahead – which is about all that does not change! ■

Brendon Parker is Dean of the Faculty of Engineering and was President of the Australian Council of Engineering Deans until the end of 2004. He is currently chair of the Go8 Engineering Deans and Associates. The views expressed are his own.



Windows onto history: the best Australian speeches

Michael Fullilove's day job is the analysis of foreign policy; speeches are his hobby – but there is crossover. "Speeches are still the currency of politics and to some extent of foreign policy – they are a way of transacting business in foreign policy," Michael said. "[Former foreign minister] Bill Hayden used to say that in diplomacy, words are bullets. Speeches matter – but Australians don't go for the highfalutin' kind."

Michael calls the speeches that he has compiled in *Men and Women of Australia! Our Greatest Modern Speeches*, published in November, "our greatest speeches of the modern era, from Federation to the present".

Among the inclusions are speeches by Robert Menzies at the burial of Winston Churchill; soldier Frank Bethune on the Western Front (see box); Paul Keating at the interment of the unknown Australian soldier; Richie Benaud on Donald Bradman; Vida Goldstein on the rights of women; Robert Hughes on an Australian head of state. Speeches by non-Australians include Douglas MacArthur on the battle for Australia; Pope John Paul II on Aboriginal civilisation; and Bill Clinton on our ethnic diversity.

Michael (LLB 1997) sees speeches as time capsules. "Regardless of the speaker and the venue," Michael said, "all have something to say about Australia." He believes it is important to read speeches for the same reason it is important to read history – understanding where we have been helps to show where we are now and where we are going, and many issues from earlier generations still have resonance and still influence aspects of Australian culture. He cites issues from the World War I period, a time that still exerts a powerful influence on the national imagination, and the recurrent debate over time on the question of a republic and an Australian head of state.

Asked to name his favourite speech, Michael was unable to select just one. "The Keating eulogy in 1993 for the unknown soldier has not been bettered in Australian history as a piece of formal rhetoric – but Frank Bethune, a Cambridge Blue who enlisted for World War I, made some stunning speeches, and Menzies himself was a brilliant debater."

Michael made his selections based both on historical relevance but, even more, on 'readability'. As a speechmaker and speechwriter himself, he looked for rhythm, colour, style and delivery – "like lacework on a Paddington terrace," he said, "all these things attract an observer's attention and please the senses." As a result, the book is neither a textbook nor a collection selected solely on historical significance. "It's to be enjoyed – and to be read aloud."

And the choice of title, the most famous salutation in Australian history? "Of course Gough Whitlam was a great speaker, and the title nods to a very famous Australian speech, but it also acknowledges the importance of the audience. Every speech, and every speechmaker, needs an audience – a speech is a contract between the two." ■

Frank Bethune: *This position will be held*

In March 1918, Lieutenant Frank Bethune and his section were ordered to defend an exposed position on the Western Front. Bethune issued the following Special Orders to his men, all of whom had volunteered to follow him to the position. Given that Bethune's section consisted of only seven souls, military historians think it likely that the orders were issued verbally as well as in writing. Although isolated, the section held the position for eighteen days.

- ◆ This position will be held, and the section will remain here until relieved.
- ◆ The enemy cannot be allowed to interfere with this programme.
- ◆ If the section cannot remain here alive, it will remain here dead, but in any case it will remain here.
- ◆ Should any man, through shell shock or other cause, attempt to surrender, he will remain here dead.
- ◆ Should all guns be blown out, the section will use Mills grenades, and other novelties.
- ◆ Finally, the position, as stated, will be held.



Dr Michael Fullilove, Program Director for Global Issues at the Lowy Institute for International Policy, has worked as a lawyer, a volunteer in the United Nations Transitional Administration in East Timor, and an advisor to Prime Minister Paul Keating. He was a consultant to Frank Lowy AC on the establishment of the Lowy Institute.

Michael graduated in international relations and law from the Universities of Sydney and New South Wales, with dual university medals. He was a Rhodes Scholar at the University of Oxford, where he took a master's degree in international relations and wrote his doctorate on Franklin D Roosevelt's foreign policy. His first book, *Men and Women of Australia! Our Greatest Modern Speeches*, is published by Vintage.

From the President of the Alumni Association



Welcome to *UNSWorld!* A new magazine for the many friends of UNSW, including the 150,000 or so alumni who are spread across Australia and located in more than 50 overseas countries. Alumni will find it an excellent way of keeping in touch with their University, and the activities and events that are of direct interest to them.

The Alumni Association's relationship with the University has undergone some fundamental changes these past eighteen months. Chief of these is the decision to abolish the former membership fee structure; all alumni of the University are now automatically members of the Association, with the benefits of

membership available to all.

Thus with the stroke of a pen, our Alumni Association membership has increased dramatically. This practice has been adopted by many of the world's leading universities as a means of encouraging greater involvement by alumni in the activities of their university.

Your Board has been looking at how best we might exploit this new arrangement with the University and our greatly expanded membership base. Certainly we see a continuation of our traditional activities such as the Alumni Scholarships Program, the Alumni Awards and the Graduated Awards Programs.

But in this information age we believe we must also offer alumni access to what we might call brain food. UNSW is one of Australia's leading centres of learning and of research and our alumni are engaged in a process of lifelong learning which doesn't end at graduation. So we offer our alumni access to the University library at a much-reduced fee.

And this year we have also introduced privileged access to some of the exciting research being undertaken by UNSW faculty,

through our 2005 Speaker Series. The 2006 Series will get underway in mid-February. More details on these programs can be found on the alumni website: see www.alumni.unsw.edu.au.

Fundamental to a successful alumni program is our ability to keep in touch with you, our members. If you have not already availed yourself of the offer to alumni of a free, lifelong University email address I would strongly urge you to do so. Again, the website has details, and signing up takes no time at all.

This benefit is available wherever you might be located and its overwhelming advantage is that your alumni colleagues, your faculty and school can always reach you.

I invite your active participation in alumni affairs through your Association. Eight governors are elected by alumni and ballot papers go to all alumni for whom a current address is on file. Another good reason to ensure your contact details are up to date!

Peter Bergman
President, 2005

Election to the Board of Governors of the UNSW Alumni Association

WANTED

The Alumni Association will be calling for nominations in February 2006 from UNSW Alumni for the election of four alumni to the Alumni Association Board of Governors to be held in 2006.

POSITION DETAILS

Elected governors will serve a four-year term commencing 1 July 2006.

ELIGIBILITY

If you are an Ordinary Member of the Alumni Association you are eligible to stand for election and to vote. If you are an Honorary member of the Alumni Association you are not eligible to stand for election or to vote.

Under the Alumni Association Constitution, graduates of the University are entitled to be Ordinary Members. Any graduate who does not wish to be an Ordinary Member of the Association should advise the Executive Officer.

HOW TO OBTAIN A NOMINATION FORM

Nominations will open on Monday 20 February 2006. Completed nomination forms must be lodged with the Returning Officer **before 5:00 pm on Monday 20 March 2006**. Each nomination form must be signed by two alumni who are Ordinary Members of the Alumni Association and endorsed with the signature of the candidate. To obtain a nomination form:

- collect a nomination form from the Reception counter, at the main entrance to The Chancellery, UNSW
- request a nomination form from the Elections Office (see below)
- print a nomination form from the internet at <http://www.elections.unsw.edu.au/>

ELECTIONS

If necessary, a postal ballot will be conducted closing at 5.00pm on Tuesday 6 June 2006. Ballot papers will be posted to persons

entitled to vote in the election at their last known address. Ballot papers that do not reach the Returning Officer by close of ballot will not be counted in the election.

FURTHER ENQUIRIES

For nomination enquiries, contact the Elections Office by phone on +61 (2) 9385 1546 or email elections@unsw.edu.au. For general information about what it means to serve as an Alumni Governor, contact the Alumni Association Executive Officer on +61 (2) 9385 3193 or email alumni@unsw.edu.au.



2005 Alumni Awards

UNSW is proud to acknowledge the accomplishments and achievements of our alumni. In October 2005, four graduates were presented with Alumni Awards by the UNSW Alumni Association. The winners were recognised for their outstanding efforts in their fields of expertise as well as the wider community at a presentation during a gala alumni event at Kensington.

The graduates recognised were:

For business and commerce:

John Prescott AC (BCom '62, Hon DSc '95)

Mr Prescott has had a distinguished career of more than 40 years with BHP, one of Australia's industry giants. He was Managing Director and Chief Executive Officer from 1991 to 1998.

He has been Chairman of ASC Pty Ltd (previously Australian Submarine Corporation) since 2000 and Chairman of the Sunshine Coast Business Council since 2004. Internationally he is a director of Newmont Mining Corporation and was also a member of the Booze Allen & Hamilton Advisory Board, the International Council of JP Morgan Chase & Co and the Asia Pacific Advisory Committee of the New York Stock Exchange and a trustee of the Conference Board of USA, among others.

For Arts/Law:

Jillian Segal AM (BA '77, LLB '79)

Ms Segal has had an outstanding career as a lawyer, regulator and director. She became a partner at Allen Allen & Hemsley in 1986 after serving as an Associate to Sir Anthony Mason of the High Court. From 1997 to 2002 Ms Segal was a Commissioner and then Deputy Chairman of the Australian Securities & Investments Commission (ASIC) where she had a particular focus on policy formulation, policy responses to the needs of business and implementation of legislative reforms in the financial services industry.

In 2002 Ms Segal left ASIC to participate in the Dawson Committee Review of the Trade Practices Act. From 2002 she served as Chairman of the Banking & Financial Services Ombudsman (BFSO), resigning in 2004 to become a Director of the National Australia Bank.

Ms Segal is also a member of the Major Performing Arts Board of the Australia Council. The Board's objective is to work together with state funding agencies and major performing arts companies to achieve a major performing arts sector that is artistically vibrant, financially viable and broadly accessible. Jillian is also a

Director of the Australian Stock Exchange, a member of the Council for Multicultural Australia and a member of the Government's Business Regulatory Advisory Group.

For contributions to the community:

Susan Hayes AO (BA '68, PhD '74)

Associate Professor Hayes is head of the Department of Behavioural Sciences in Medicine at the University of Sydney. In 2004, she was made a Fellow of the International Association for the Scientific Study of Intellectual Disability.

Professor Hayes's work has been primarily in the field of intellectual disability, in which she has demonstrated leadership in the fight for rights for people with intellectual disabilities. She has been a consultant to the NSW Law Reform Commission and has undertaken research in prisons and courts across Australia and in the United Kingdom. Her research findings have been presented in evidence to the NSW Parliamentary Standing Committee on Social Issues as part of its inquiry into early intervention and the prevention of crime, and also to the NSW Parliamentary Select Committee's inquiry into the increase in the prison population.

For science and technology:

Gordon Parker (MD '78, PhD '83, DSc '97)

Gordon Barraclough Parker was head of the School of Psychiatry from 1983 to 2002 and director of Psychiatry of Prince of Wales/Prince Henry Hospitals from 1983 to 1996. In 2001 he was awarded a Scientia Professorship at UNSW.

In 2004, he was identified as the most highly internationally cited scientist in the field of Psychiatry/Psychology in Australia receiving a Citation Laureate. In 2005, he was identified as the most productive researcher in the Faculty of Medicine over the preceding three-year period. He has published more than 500 scientific articles and has been author of six books.

Professor Parker is internationally recognised for his work in the field of mood disorders. He has acted as a pioneer for advanced study and treatment in his field of mood disorders and inspired many students to follow his lead. He is a founding director of the Black Dog Institute, affiliated with UNSW and recently funded by the NSW State Government. This Institute aims to advance the understanding, diagnostics and management of mood disorders by continuously raising standards of clinical research, education and training in this field. In doing so the Institute aims to improve the lives of those affected and, in turn, the lives of their families and friends. ■



John Prescott



Jillian Segal



Susan Hayes



Gordon Parker

“Strong ethics guide most business people”: John Doumani, Executive in Residence and distinguished alumnus



SUSI HAMILTON

Ethics, corporate accountability and making a contribution are key motivators for John Doumani, the new executive-in-residence at the Faculty of Commerce & Economics.

“There’s this perception that people in business are all like JR Ewing [from the TV series Dallas], that we’re all out to make a dollar at any cost,” said John, who is the past president of Campbell’s International. “But it isn’t like that. Strong ethics guide most business people.

“Businesses that have a strong set of ethics survive; those that are cut-throat don’t last.”

In his new role in the faculty, these passions are combined. He hopes to give back to the University where he studied and to develop stronger links between the Faculty and industry.

“I believe that a university degree provides terrific technical training in a formal sense,” John said. “If that can be enhanced by adding a level of practical experience, I think that’s a huge advantage to the students and a huge service to industry.”

The faculty has already made great strides

in this area through outstanding initiatives like the Co-op scholarship program and the Meet the CEO series. He hopes to help build on that by bringing his own practical experiences and perspectives into the faculty, as well as by enlisting support from a range of industry colleagues and contacts.

Ask him about what he believes is the key to success in business and he responds with passion. “You need a collaborative business environment, based on an open culture with no hidden agendas. Those are the organisations that are able to move faster and smarter than any other company.”

He is keen to share this perspective with students.

“The point of entry is having the technical skills,” John said. “But what makes people powerful in terms of getting things done is their ability to work with others.”

This philosophy has taken him through his career in the consumer goods industry, including positions with multinationals such as Unilever Australasia, Johnson & Johnson and Campbell’s. Lately, he has used the same approach with the non-profit sector.

He is one of the founders of Corporate Countdown, a philanthropic organisation that has raised \$750,000 from three annual events to date.

“We have had some well-known performers play alongside some leaders in business,” he said. “We’ve also unleashed some great musical talent. I’m in a rock band now and we have provided a spark for others, like another alumnus David Lowy from Westfield, to strut their stuff in a more serious way.”

John (BCom 1978) is also looking at ways in which the Faculty of Commerce and Economics can develop links with the community and with non-profit organisations.

“There is such great intellectual capacity in the faculty,” he said. “It would be great to share that around a little. Philanthropic organisations run on such a tight budget, so perhaps we could help build their capabilities in terms of business planning and marketing, for instance.

“At the same time, this will offer great practical experience to our students. It will be a real win-win.” ■

The Law Endowment Fund

The University of New South Wales Law Faculty has been the innovator and pacesetter in legal education and legal research in Australia since its opening in 1970 by the foundation Dean, Professor Hal Wootten. The new Law Building is an exciting project on the UNSW Kensington campus and will deliver a leading edge facility located on one of the most high-profile sites on campus in 2006.

The new law building provides strong connections to the broader campus community and public realm. It finally incorporates the Law Faculty, Atax, Kingsford Legal Centre and ten leading research and social justice centres to fully integrate law teaching, learning and research.

The faculty is acknowledged as the pace setter in the area of legal education, our model of interactive teaching in small-sized classes putting students at the centre of the learning process. This tradition will continue

in the new building with 12 smaller teaching rooms adding flexible learning spaces for an interactive style of teaching.

For the first time, the school will have a large lecture theatre for public lectures and presentations. The new auditorium space has a seating capacity for 350 people and the Harvard-style lecture theatres accommodate 90 students. These larger venues will also be available as centrally allocated teaching spaces (CATS).

Planning an adequate resource base is essential. For this reason we embarked on a campaign to establish a Law Endowment Fund of \$10 million. This vision is just the beginning. Our plan is to enlarge this fund over time with careful investment and ongoing support from corporate partners, individual benefactors and alumni.

Linking endowment gifts with the new building provides our benefactors with a special appreciation for their commitment and contribution. The Law Endowment

Fund is vital to the future success of our institution.

On 26 October, Chancellor David Gonski AO, Vice-Chancellor Professor Mark Wainwright and Dean of Law, Professor Leon Trakman, marked an important milestone in the law campaign, with the Lighting of the Flame ceremony and announcement of key partners, both corporate and individual. The support shown by law alumni and their firms shows an exceptional generosity and passion for the work of the Faculty of Law and inspires us as we embark on this \$10 million challenge. Join us as we continue to light the flame for support.

You may preview the progress of the building at www.law.unsw.edu.au/newbuilding/index.asp. If you are interested to learn more about the campaign please contact Amanda Hansen, the Development Officer for Law, on (02)9385 1538 or a.hansen@unsw.edu.au. ■



An inspirational teacher: the John Lions Chair in Operating Systems

An alumni-led appeal to establish an endowed chair in computer operating systems has achieved its goal with the recent donation of US\$500,000 from communications giant QUALCOMM Incorporated.

Former students Greg Rose, John O'Brien and Steve Jenkins have led a seven-year campaign to establish a chair in the name of their former mentor, eminent academic John Lions.

This includes Greg and John donating substantial sums of their own money in a bid to raise \$2 million to honour the visionary lecturer who wrote a lauded book on UNIX systems.

Now, with the generous donation from QUALCOMM Incorporated, for whom Greg works as vice-president of technology, the appeal finally has enough funds to offer the John Lions Chair in Operating Systems in 2006.

For Greg, it has been very much a personal quest. "My father died some years ago and John was a surrogate father figure to me," he said. "He was there for me when I needed advice and he convinced me to write my first peer-reviewed paper."

For the team behind the appeal, which also includes Chris Maltby, Peter and Lucy Chubb and UNSW's Gernot Heiser, it has not been easy raising the funds, especially through the



years of the tech-wreck. And despite their recent success, they are still 'on the warpath' to raise enough funds to beat the bushes and make it perpetual. "It will be the role of the first incumbent to raise the extra cash," Greg said.

John graduated from Sydney University in Applied Mathematics in 1959. After working overseas, John became senior lecturer with UNSW's then-Department of Computing in 1972. He became Associate Professor in 1980, and remained at UNSW until 1995 when ill health forced him to retire. He died in 1998.

During the mid 70s, John wrote an insightful and often witty commentary on the UNIX code in order to better teach his students about programming.

"The manuscript was a revelation to students," Greg Rose recalled. "The book quickly gained a reputation among the programming community and became a technical bible for students, hackers and qualified professionals throughout the world."

"However the various owners of the UNIX source code have always viewed the book as a threat to intellectual property and sought to have the book suppressed."

This resulted in the book going underground, where it became "the world's most illegally copied book", a source of pride and status for owners of the pirated copies. Finally in 1996 the book was legally published.

For Greg, it is sweet victory that the chair also recognises John Lions' immense contribution to UNIX and to computing scholarship at UNSW.

"John was the quintessential nerd. A man with a great sense of humour and all-round good guy. He was brilliant. I hope this chair can further open source research and the good programming that was part of John's vision."

Professor Gernot Heiser said the chair would add a valuable dimension to his team's work. "We have recently built up a world-class operating system research group which is putting UNSW back on the map in operating systems," he said. ■

Education programs in mining engineering

To help combat the national shortage of mining engineers, Mitsubishi Development Pty Ltd has donated \$500,000 to fund education programs in mining engineering at the University of New South Wales.

The fund will support a range of educational activities at UNSW. They include:

- the upgrading and replacement of computing facilities provided for mine planning and design in the Mitsubishi Computing Laboratory;
- rural scholarships for undergraduate students studying or proposing to study in UNSW's School of Mining Engineering;
- postgraduate research scholarships.

The donation will be paid in \$100,000 instalments over five years. UNSW will match at least 20 percent of the contributions made by Mitsubishi Development when each instalment is

received. This is the second large donation from Mitsubishi Development. In 2003, the company donated \$150,000 to UNSW to fund education and research activities in surface mining.

"Mitsubishi Development has now had a relationship with the University of New South Wales for the past two years," said Mitsubishi chief executive officer, Mr Tetsuro Terada. "We are delighted with the way that it has progressed over that time."

"The creation of this Endowed Fund will assist greatly in the continuation of future and ongoing funding for education, so critical for the mining industry. The establishment of this fund enhances that partnership we have with the University."

UNSW's Dean of Engineering, Professor Brendon Parker said Mitsubishi's generous contribution would help UNSW's mining



Mr Terada with Professor John Ingleson, Deputy-Vice-Chancellor (International & Development)

program contribute a growing number of graduates to the 150 required by industry every year.

"Our intake of mining students increased by 40 percent last year but our numbers need to keep steadily increasing if we are to help satisfy industry need." ■

connection {POINT

Making Connections

This year, the Faculty of Commerce & Economics celebrates its 50th Anniversary. But instead of looking back at the past, it is the future that is the main focus of the faculty's attention.

"It's all about making connections," Director of External Relations for the Faculty, Jane Westbrook, says. "This is the driving force of the faculty and its relationship with students, schools, employers, research and business partners and alumni, both here and overseas."

Over the past 50 years, the faculty has grown to become one of Australia's and Asia's top business faculties, and its alumni can be found in a wide range of leadership roles both in Australia and abroad. The cornerstone of the faculty's success lies in its steadfast commitment to recruiting the brightest and best students, producing talented, industry-ready graduates and to pursuing a research agenda that is informed by current economic and business issues and its stakeholders.

UNSW has long recognised the importance of engagement with the Asian region and the Faculty of Commerce & Economics has been in the forefront of this commitment, in both its teaching and research programs. Indeed, as Australian business and government sectors extend their links with the region, the faculty has been able to ensure a steady supply of 'Asia-ready' graduates and research outcomes to meet these developing needs.

In recent years, the faculty has embarked on an intensive program of re-engaging with its alumni, through successful programs such as Meet the CEO, which provides a unique networking and professional development opportunity for alumni to hear from some of Australia's most outstanding business leaders. Now in its third year, the series attracts audiences of 600 to 800 alumni for each event. "No sooner has the Meet the CEO invitation been distributed than our alumni are busy emailing each other to attend and to catch up for a drink or a meal afterwards," Jane said. The prestigious Alumni Leaders Network comprises a limited number of very senior and experienced people who are spearheading the faculty's efforts to expand links with the wider community. And with the support and participation of the Faculty Advisory Board, an extensive network of

industry partnerships is being developed to create a unique learning environment and a research agenda that is truly industry-relevant.

In late 2007, the faculty will consolidate and move into the refurbished Heffron building. This new home will provide state-of-the-art teaching and learning facilities and a focus for the faculty's schools, research centres, students, staff and alumni – all under one roof.

The faculty is uniquely positioned to both realise its vision to be the leading business faculty in the Asian region: a compelling place to work, to learn and to which to return; and also to expand its already enviable reputation even further into the growing economies of the Asian region.

According to the Dean of Commerce & Economics, Professor Greg Whittred, "our goal is to be the premier source of

The faculty has embarked on an intensive program of re-engaging with its alumni, through successful programs such as Meet the CEO, which provides a unique networking and professional development opportunity for alumni

intellectual capital – of leading-edge research and high-quality graduates – for our partners in the community." To achieve this, an inspirational program has been developed, called **connection {POINT** which concentrates on developing leaders and connecting them with people and ideas that will transform business and the economy and secure Australia's and Sydney's position as a leading regional business and financial centre.

The faculty is uniquely positioned to play this role and boasts more than its fair share of Australia's best and brightest business students and scholars, an enormously accomplished and influential alumni network, and partners that include some of the



Jane Westbrook with inaugural Meet the CEO speaker, Sir Richard Branson

region's most successful businesses.

However, boosting its capacity to support students, and attract, develop and retain top academic staff who can put the faculty on the international map requires significant investment.

Grounded on the principle of providing the best educational and research capital available, the faculty is launching a bold new program of development that focuses on nurturing leaders, creating an environment that fosters innovation and entrepreneurship and bringing the intellectual capacity of the brightest minds to bear on the challenges of creating a productive and sustainable economy.

The faculty will pursue an integrated approach that encompasses graduate and undergraduate curriculum, community engagement, relevant research and a truly international perspective. The outcomes from investing in this course of action will be significant.

connection {POINT is an ambitious campaign for achieving this vision. With the support of the faculty's closest friends and partners, the faculty plans to underwrite another 50 equally successful years. ■

For further information, please contact Jane Westbrook, Director, External Relations, Faculty of Commerce and Economics on 9385 6228 or jane.westbrook@unsw.edu.au.

Desert images: the artist at Fowlers Gap

In the art of Australia, the desert is an enduring presence. From the cave paintings of generations of Indigenous artists to the landscapes of Drysdale, desert images are at the fore of the nation's visual culture. Yet most Australians have never travelled far enough inland to experience the arid zone, and for the rest of the world it is most likely seen as the comic backdrop to the adventures of Steve Irwin or Crocodile Dundee.

Those who travel to the desert know it differently. Far from being a barren environment, it is brimming with animal and plant life. Its spaces are expansive, the air clearer and colours more intense than in the city, so that one's own sense of being alive is heightened.

The desert experience is set to become much more accessible to artists, thanks to a new venture by the University of New South Wales. The Imaging the Land International Research Institute (ILIRI), based at the College of Fine Arts, is working to establish an Artists-in-Residence Program that will enable local, interstate and international artists to experience the desert first-hand, living and working there for an extended period.

At Fowlers Gap, 112 km north of Broken Hill, a program of building has been proposed to enable the existing UNSW research station to function as an International Residential Art Centre. A number of fully equipped art studios are part of the vision planned at the Fowlers Gap settlement, with sites surveyed for addition 'outpost studios' on more remote locations on the 35,000 hectare property. Fowlers Gap is one of UNSW's best-kept secrets, a significant site of scientific research, but off the beaten track of most inland travellers.

The introduction of artists to the facility offers an unusually fertile creative mix.

Peter Sharp is an artist who can already attest to the benefits of time spent at Fowlers Gap. This graduate of COFA, now a lecturer in the School of Art, credits his trips to Fowlers Gap as the formative experiences of his artistic life.

"Going out there gave me another way of viewing the world," said Sharp, whose recent exhibition at Sydney's Liverpool Street Gallery was reviewed as his best yet. "Looking and drawing, rubbing the drawing away and laying different perspectives down... being there in the landscape opened up different

ways of interpreting nature. I could abstract the image in a way that would never have happened if I wasn't immersed in the environment."

As the Fowlers Gap Artists-in-Residence Program proposes being open to artists working in all media, from painters like Sharp to those working with new technologies, ILIRI can expect an enthusiastic response from all corners of the world. Idris Murphy, Director of ILIRI, explains: "The volume of enquiries we've already received, before really publicising the program, has been staggering. There is such excitement about what we're trying to do, but right now we are working towards gathering the initial investment support. There's the building of the studios, which is several hundreds of thousands of dollars alone. It's a great vision offering a significant Australian and international educational, social and cultural return, ILIRI is worth investing in."

For more information on the Fowlers Gap Artists-in-Residence Program, see the ILIRI website: www.cofa.unsw.edu.au/iliri. To enquire about sponsoring a studio contact Idris Murphy, i.murphy@unsw.edu.au 9385 0757. ■



FOWLERS GAP SUNRISE BY LOUISE FOWLER-SMITH

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UNSW Foundation was established in 1988 to build the basis for supporting future generations in the University community for the greater and continued benefit of society.

Alumni, friends and commercial partners play a critical role in helping UNSW Foundation achieve its mission – which is to enhance the financial and reputational capital of the University.

They do this by making personal gifts in support of scholarships, prizes, fellowships and research – and / or by encouraging corporate gifts. In some cases, the University

is able to match these gifts.

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Did you know that some of Australia's most successful entrepreneurs are graduates of the Faculty of Commerce and Economics at the University of New South Wales?

In a soon-to-be-released book, *SAVVY, Understanding the entrepreneur*, we examine what is at the core of successful business people who have taken their business idea and often risked everything to make it happen.

SAVVY puts the spotlight on UNSW Commerce and Economics graduates such as Mark Bouris (Wizard), Warwick Negus (452 Capital), Catherine Harris (Harris Farm Markets), Paul Cave (BridgeClimb), Tim Pethick (Nudie), Robert Maple-Brown (Maple-Brown Abbott) and many more to find out the secrets of their success.

Proceeds from the sales of SAVVY will go towards the Faculty's Scholarships Appeal Fund to support talented and disadvantaged students.

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