



# Annual Report 2013

## UNSW Australia

Never Stand Still

**At UNSW Australia we develop leaders who shape the future.**

**We're a powerhouse of cutting-edge research and teaching in the Asia-Pacific.**

**Innovation, technology and creativity are at the heart of what we do.**

**We are dedicated to tackling society's big issues.**

**We are trusted partners with industry, government and the community – a catalyst for change committed to making a difference.**

**UNSW. Never Stand Still.**



## **UNSW Annual Report 2013 – Volume 1**

02	Message from the President & Vice-Chancellor
03	Message from the Chancellor
05	At a Glance
06	Snapshot
10	Year in Review
14	Governance & Leadership
18	Research
20	Student Experience
22	Community Engagement
24	Capabilities & Resources
26	Research & Teaching Awards

The University's 2013 Financial & Statutory reports are in Volume 2.

## Message from the President and Vice-Chancellor

Despite funding cuts to the sector, we continued to build momentum and cement our position as Australia's leading research-intensive university focused on science, technology and the professions.



I am pleased to report that 2013 was an extremely successful year for UNSW.

Despite funding cuts to the sector, we continued to build momentum and cement our position as Australia's leading research-intensive university focused on science, technology and the professions. We were able to maintain staff levels and continue campus improvements. We opened a new centre for sustainable energy research, completed the \$58 million rebuild of our College of Fine Arts campus, and are close to finishing a major refurbishment of our medical teaching and research facilities.

On-campus student accommodation was significantly expanded with the opening of the University Terraces apartments in January. With the Kensington Colleges redevelopment, we now have almost 5,000 student beds on campus, more than any other NSW university. This thriving "city within a city" is making a dramatic difference to campus life.

In terms of enrolments, we attracted the highest number of Top 500 students in the state and made significant progress in encouraging enrolments from Aboriginal and Torres Strait Islander and low SES students. International enrolments were strong, as were enrolments in research degrees.

UNSW's research performance continued to impress, with particular success in medical research grants and a number of international and national awards for our researchers. The University acquitted itself well in international and domestic rankings. We rose 10 places in the 2013 Shanghai Jiao Tong Academic Ranking of World Universities, maintained our position at 52nd in the 2013 QS World University Rankings and scored the maximum number of five-star ratings in Australia's *Good Universities Guide*.

On the financial front, we ended the year with a group operating result of \$17.2 million (adjusted for long service leave), up on our 2012 result of \$11.3 million. This was due mainly to higher teaching revenue and expenditure savings.

It was a particularly successful year for fundraising and I'm encouraged by the support from alumni and friends.

A number of high profile events were open to alumni and the general public in 2013. They included a special Q&A program with philanthropist Bill Gates, filmed in the Clancy Auditorium and shown live on ABC TV to more than one million viewers. Also notable was this year's Gandhi oration, which saw former High Court Justice Michael Kirby deliver a powerful address on Gandhi's life and ideas.

Already a member of Universitas 21, UNSW extended its global networks in 2013. We became the only Australian university invited to join the prestigious Global Alliance of Technological Universities and we were elected to the Association of Pacific Rim Universities.

Our claim to be Australia's premier science and technology university was further reinforced by two reports released in 2013. The US website CrunchBase, a leading authority on technology entrepreneurs, ranked UNSW as the leading Australian university for the number of graduates who had started companies. And according to an analysis published by the UK-based *Spear's* magazine, UNSW produces more millionaire graduates than any other Australian university. We were ranked 33rd in the world, ahead of some of the biggest names in innovation.

This is my final Annual Report as President and Vice-Chancellor, as I have decided to step down at the end of 2014, after more than eight wonderful years in the job. I take this opportunity to thank the Chancellor, David Gonski, for his unstinting support and wise guidance over this period. My thanks go also to other members of the UNSW Council, senior management and staff, all of whom have made such a major contribution to our success, and to our alumni and other friends of the University for their support. I look forward to seeing many of you over the next 12 months.

**Professor Frederick Hilmer AO**  
President and Vice-Chancellor

## Message from the Chancellor



As the Vice-Chancellor has detailed in his report, the University made significant progress on a number of fronts in 2013.

Our ambitious building program continues to transform the campus, creating 21st century research and teaching facilities, while our strategic investment in attracting and retaining high performing researchers is paying dividends in competitive grants, citations and academic reputation. Investment in technology and a focus on teaching excellence are providing our students with a high-quality learning experience while the expansion of on-campus student accommodation is helping to ensure a vibrant and dynamic campus.

The financial results for the year are very sound and I am particularly pleased to see a significant increase in philanthropic donations to the University, due to a greater level of engagement with our alumni.

The UNSW Council has been invaluable in helping to set strategic directions for the University, and the expertise of the senior management team and the dedication of our talented staff have been essential to the progress we are now documenting. Our thanks go to them all.

I want to particularly pay tribute in this message to the enormous contribution made by Vice-Chancellor Fred Hilmer.

Professor Hilmer, who has announced his decision to step down at the end of 2014 after more than eight years of distinguished service, has been the driving force behind the University's trajectory over that time.

One of his first measures as Vice-Chancellor was to begin the process of developing an effective strategic framework for the University. *Blueprint to Beyond* is revisited and fine-tuned regularly to ensure we are continually defining our objectives,

aspirations and focus. The result of extensive consultation, it is a living document that has provided both a visionary and practical road-map for the University.

From the beginning of his tenure, the challenge Professor Hilmer articulated to Council, to senior management and staff was: "What sort of university do we want to be? And having decided that, what do we then need to focus on to achieve our objectives?"

Strategy is of course always about choice. Under Professor Hilmer's leadership I believe we have made the right choices, and UNSW is a finer and more successful institution as a result.

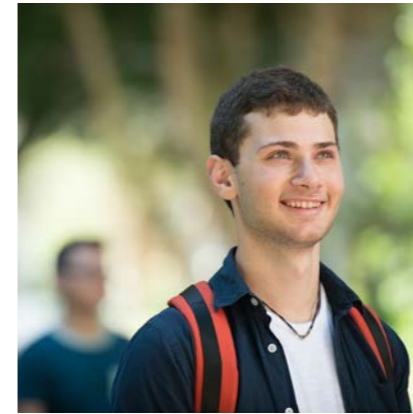
The University has embarked on an international search for Professor Hilmer's successor, with the intention of having the new President and Vice-Chancellor take up the role no later than early 2015.

**Mr David Gonski AC**  
Chancellor

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## At a Glance



### About UNSW Australia

Established in 1949 with a unique focus on the scientific, technological and professional disciplines, UNSW has a proud tradition of sustained innovation, focusing on areas critical to our future – from climate change and renewable energies to life-saving medical treatments and breakthrough technologies.

UNSW has eight faculties and one University College offering an extensive range of undergraduate, postgraduate and research programs.

We attract talented students from across Australia and around the world. Our 50,000-plus students come from 125 countries, making us one of Australia's most cosmopolitan universities. Our emphasis on quality continues to push up entry standards – in 2013 we saw record demand from the state's top school leavers.

The main UNSW campus is located on a 38-hectare site at Kensington, seven kilometres from the centre of Sydney. Other major campuses are the College of Fine Arts in Paddington and UNSW Canberra at the Australian Defence Force Academy.

### Our Mission

#### Strategy

*B2B Blueprint to Beyond*, the UNSW Strategic Intent, reflects the University's fundamental mission of education, research and community engagement. It underpins our Faculty and Divisional plans, and its guiding principles and objectives inform our policies, processes and procedures.

#### Aspiration

Our aspiration is to continually improve our position as a leading research-intensive university in the Asia-Pacific region, focusing on contemporary and social issues through defined

strengths in professional, scientific and technological fields. We seek to make a significant contribution to the development of knowledge, to learning and teaching, to our students, and to society.

### Objectives

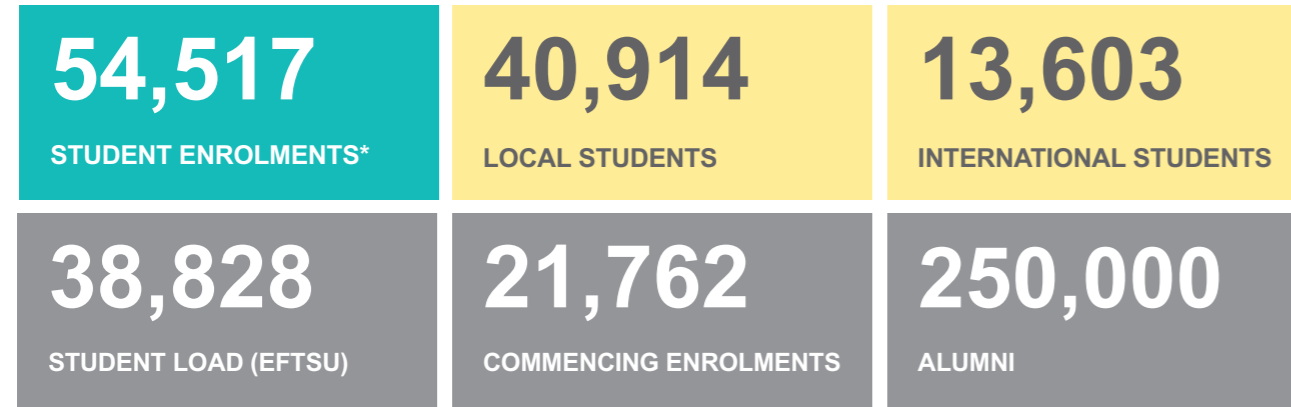
- Continue to build on our position as a peer of the best globally in research performance, concentrating on defined strengths.
- Develop globally focused graduates who are rigorous scholars, capable of leadership and professional practices in an international community.
- Be a valued partner with key communities, making an impact on contemporary issues.
- Improve underlying leadership and operational capabilities.
- Maximise the availability of resources and the assignment of resources to priority areas.

### Guiding principles

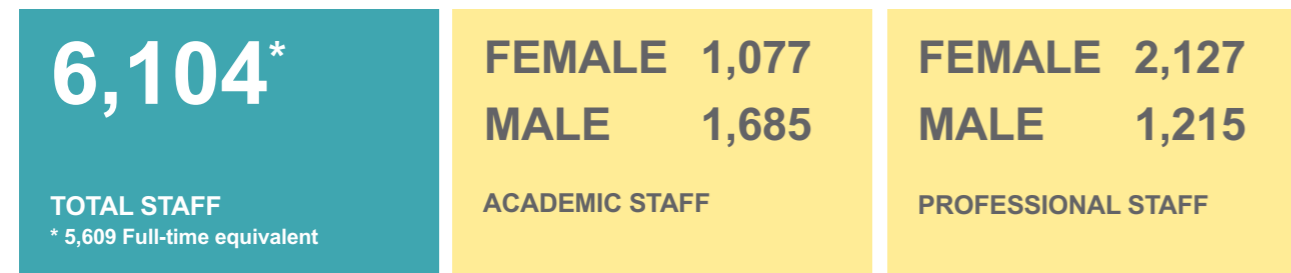
In pursuing our aspiration, and in the way in which UNSW is led and managed, we value and embed:

- Academic freedom
- Leadership
- Innovation, initiative and creativity
- Recognition of merit and excellence
- Integrity and high ethical standards
- Equity, opportunity and diversity
- Mutual respect, collegiality, teamwork and high service standards
- Professionalism, accountability and transparency
- Safety
- Environmental sustainability.

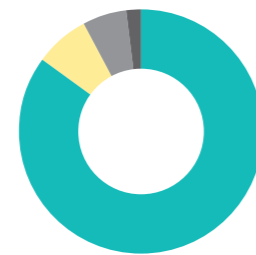
## Students



## Staff

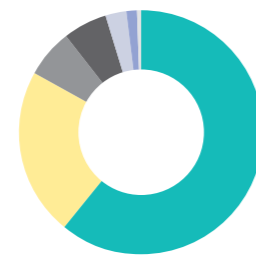


**8 FACULTIES**  
**1 COLLEGE**  
**48 SCHOOLS**  
**129 AFFILIATED INSTITUTES & CENTRES**  
**16 RESIDENTIAL COLLEGES**



### Enrolments by Campus

46,375	Kensington (Main Campus)
3,946	College of Fine Arts (COFA)
3,274	Australian Defence Force Academy (ADFA)
922	Other



### Students by Level of Program

33,453	Bachelor and Diploma
12,153	Masters Coursework
3,556	Doctorate
3,118	Grad Dip and Grad Certificate
1,593	Cross Institution & Non-Award
638	Masters Research
6	Postgraduate Qualifying

## 2013 Financial Summary

	CONSOLIDATED		UNIVERSITY	
	2013 \$'000	2012 \$'000	2013 \$'000	2012 \$'000
Total revenue and income	1,132,948	1,095,045	1,058,830	1,031,218
Employee costs	(650,033)	(634,620)	(607,884)	(594,537)
Other expenses	(453,734)	(449,144)	(422,838)	(415,056)
<b>Operating result</b>	<b>29,181</b>	<b>11,281</b>	<b>28,108</b>	<b>21,625</b>
Restricted surplus	24,775	30,996	24,007	30,548
Investment earnings	26,085	27,293	24,058	27,293
Income for capital projects	25,722	24,783	25,722	24,783
Impairment of assets <sup>1</sup>	(939)	(11,079)	(90)	(9,993)
Forgiveness of loan <sup>2</sup>	-	-	-	(5,815)
Gain on sale of assets <sup>3</sup>	-	2,984	-	2,984
Revaluation of ATPi <sup>4</sup>	-	4,167	-	-
<b>Accounting result</b>	<b>104,824</b>	<b>90,425</b>	<b>101,805</b>	<b>91,425</b>

<sup>1</sup> Includes impairment on all assets except for student receivables and sundry debtors.  
<sup>2</sup> Forgiveness of intercompany loan to NewSouth Innovations Pty Ltd.  
<sup>3</sup> Includes gain on sale of 78-82 Bay St, Botany, NSW properties.  
<sup>4</sup> Revaluation of investment in Australian Technology Park Innovation Pty Ltd (ATPI).

### Students by Faculty

7,182	Arts & Social Sciences
12,214	Australian School of Business
2,907	Built Environment
3,497	College of Fine Arts
10,774	Engineering
3,082	Law
3,898	Medicine
6,340	Science
3,273	UNSW Canberra
1,350	Other

### Top 10 Countries of Origin for International Students

6,158	China (excludes SARs and Taiwan)
847	Hong Kong (SAR of China)
750	Malaysia
672	Indonesia
660	United States of America
618	Singapore
345	Korea
284	India
279	Vietnam
197	Brazil

**Graduate Starting Salaries\***

**Undergraduates**

**\$60,000**

**Employment Rate**

**83%**

**Postgraduate**

**\$100,000**

**Employment Rate**

**90%**

\*Domestic students  
Source: Australian Graduate Survey 2013

\*Student enrolments are for the full year 2013, as reported to the Commonwealth Government.

The University is ranked

52nd

in the 2013 QS World University Rankings.

Five Stars



In 2013, UNSW achieved the maximum QS Five Star Plus rating - one of only eight universities in the world to do so.

Most awarded



UNSW scored more five-star ratings in the 2014 Good Universities Guide than any other university in Australia.

Research excellence



The 2012 Excellence in Research for Australia Report recognised UNSW as "above or well above" world standard



16 subjects in world's top 50

- |                                     |                                  |
|-------------------------------------|----------------------------------|
| 10 Accounting & Finance             | 29 Medicine                      |
| 11 Pharmacy & Pharmacology          | 33 Engineering – Electrical      |
| 14 Law                              | 37 Engineering – Mechanical      |
| 15 Psychology                       | 41 English Language & Literature |
| 17 Materials Science                | 45 Economics & Econometrics      |
| 18 Engineering – Civil & Structural | 46 Engineering – Chemical        |
| 26 Education                        | 50 Biological Sciences           |
| 29 Computer Science & Info Systems  | 50 Environmental Services        |

## Leader in Education

UNSW is a founding member of the Group of Eight – a coalition of Australia's leading research-intensive universities – and the prestigious Universitas 21 international network.

In 2013, UNSW joined the Global Alliance of Technological Universities as its only Australian member; was elected to the Association of Pacific Rim Universities network; and partnered with Coursera, the largest provider of MOOCs in the world.



## FACULTIES

ARTS AND SOCIAL SCIENCES  
AUSTRALIAN SCHOOL OF BUSINESS  
BUILT ENVIRONMENT  
COLLEGE OF FINE ARTS  
ENGINEERING  
LAW  
MEDICINE  
SCIENCE

### UNSW CANBERRA

Unique in Australia, UNSW Canberra at the Australian Defence Force Academy provides undergraduate education for officer cadets as well as postgraduate programs in arts, business, IT, engineering, management and science, which are open to all students.

More of Australia's top CEOs who lead ASX200 companies studied at UNSW than any other university.

(Leading Company 2012)

UNSW boasts the largest number of millionaire alumni than any other university in Australia.

(Spear's WealthInsight 2014)

UNSW has produced more technology entrepreneurs in the past 15 years than any other Australian university.

(CrunchBase 2013)

UNSW undergraduates and postgraduates earn the highest median starting salary and have the highest employment rate of any university in NSW.

(Australian Graduate Survey 2013)



# 2013 in Review

## January

### ASB Dean

Geoffrey Garrett appointed Dean of the Australian School of Business.

### Gandhi Oration

Former High Court Judge Michael Kirby delivers UNSW's 2013 Gandhi Oration.

### Scientific excellence

Dr Lisa Alexander, a UNSW expert in climate extremes, receives Australian Academy of Science award for scientific excellence.

### MBA ranking

The full-time MBA offered by the Australian Graduate School of Management ranked in the world's top 50 programs by the *Financial Times*.

### Honours

A distinguished group of UNSW researchers from engineering, medicine, law and defence recognised in the Australia Day honours.

## February

### Chancellor

David Gonski reappointed for a third term.

### COFA

Professor Ross Harley appointed Dean of the College of Fine Arts.

### UNSW Law appointments

Former Federal Court judges the Hon Ronald Sackville QC AO and the Hon Margaret Stone take up teaching posts.

### Inspiring speaker

Inventor of the world wide web, Sir Tim Berners-Lee, addresses a UNSW audience and urges students to play a role in developing the web's next big idea.

### High note

Roger Covell, co-founder of the Australia Ensemble, awarded the Sir Bernard Heinze Award for lifetime dedication to music.

### Student union

Arc@UNSW recognised with a top rating from the National Union of Students.

## March

### Global reputation

UNSW ranked as one of the world's top 100 universities for academic prestige in the 2013 Times Higher Education global reputation index.

### New Chair

The NSW government funds the establishment of a Chair in Intellectual Disability and Behaviour Support at UNSW.

### Brennan Report

The NSW government announces a \$20 million boost for preschools following a landmark report by Professor Deborah Brennan.

### Future health leaders

In partnership with the health sector, UNSW offers a new workplace-based professional doctorate for emerging leaders in public health.

### Global leader

Law professor Jane McAdam is named a Young Global Leader by the World Economic Forum.

### Repeat performance

COFA graduate Del Kathryn Barton wins the Archibald prize for a second time.

## April

### Built Environment

Award-winning architect Professor Alec Tzannes reappointed for a second five-year term as Dean of the Faculty of Built Environment.

### Quantum leap

In a world-first, UNSW engineers demonstrate a quantum bit based on the nucleus of a single atom in silicon.

### Space Masters

Launch of Australia's first Masters program in Satellite Systems Engineering.

### Eye care

UNSW scientists show that specially designed contact lenses worn overnight could end the need for reading glasses in middle age. World Council of Optometry awards Professor Brien Holden its highest honour.

### Uniken

UNSW's flagship magazine launches interactive app.

## May

### Bill Gates on campus

Philanthropist and Microsoft founder is the special guest at a UNSW-hosted ABC TV Q&A program on global health and development.

### UN honour

Human rights lawyer Megan Davis is elected in a landslide to a second term on the United Nations Permanent Forum on Indigenous Issues.

### Food centre

UNSW receives more than \$2 million from the ARC to establish a research and training centre to bolster the Australian food industry.

### Royal Fellow

World leader and pioneer in solar photovoltaic technology, Professor Martin Green is elected into the prestigious Fellowship of the Royal Society.

### Diplomatic first

UNSW alumnus Damien Miller becomes Australia's first Indigenous head of an overseas mission.

## June

### Globaltech

UNSW recognised as one of the world's top science and technology universities with an invitation to join the Global Alliance of Technological Universities.

### John Howard

Former PM John Howard receives an Honorary Doctorate of Laws – UNSW's highest honour.

### Universitas 21

Vice-Chancellor Professor Fred Hilmer appointed Chair of Universitas 21.

### Linkage grants

UNSW receives \$13.2 million in Linkage grants from the Australian Research Council, the highest level of funding in the state and the second highest in the country.

### Top 100

Three Professors, including the Dean of Engineering, are named in Engineers Australia's annual top 100 list recognising the country's most influential engineers.

## July

### Minimum cut-off

UNSW becomes first university to apply a minimum Admission Rank of 80.

### HIV landmark

A study led by researchers from the Kirby Institute shows how millions more people can access life-saving HIV drug therapy.

### Bionic boost

Bionic eye researchers at UNSW benefit from an \$8 million funding boost from the Australian Research Council.

### Physics win

Quantum researcher Michelle Simmons is awarded a prestigious Australian Laureate Fellowship and her PhD student Martin Fuechle wins the 2013 Bragg Gold Medal for Excellence in Physics.

### Nura Gili

150 Indigenous high school students from around NSW graduate from Nura Gili's Winter School Program.

### MOOCs

UNSW partners with Coursera, the largest provider of MOOCs.

### Nuclear first

UNSW offers Australia's only graduate program in nuclear engineering.

## August

### Academic

UNSW achieves a QS Five Star Plus rating for excellence, one of only eight universities in the world to receive the honour.

### Mandela tribute

Westpac CEO Gail Kelly helps unveil a bust of Nelson Mandela and pays tribute to his inspiring legacy and leadership in the Wallace Wurth Lecture.

### Joint investment

UNSW signs a major partnership with China's prestigious Shanghai Jiao Tong University in research commercialisation and technology transfer.

### Good Universities Guide

UNSW scores more five-star ratings in the 2014 *Good Universities Guide* than any other university in Australia.

### International student accommodation

UNSW announces it will guarantee on-campus accommodation for all of its first-year international undergraduate students.

### Start-ups

A review shows UNSW leads Australian universities in the number of graduates who have founded technology start-ups.

## September

### QS World Rankings

UNSW is recognised as one of the world's top universities in the QS World Rankings, with big jumps in both academic and employer reputation.

### Suzuki lecture

Canadian scientist, environmentalist and broadcaster Dr David Suzuki delivers the Jack Beale Lecture on the Global Environment.

### Triple Eureka

Research projects on evolution, dingoes, and the battle against HIV/AIDS win three UNSW scientists prestigious Australian Museum Eureka Prizes.

### APRU

UNSW is elected to the prestigious Association of Pacific Rim Universities network.

### Rural clinical schools

UNSW Medicine unveils state of the art medical education facilities at the Rural Clinical Schools at the Albury Wodonga and Port Macquarie campuses.

## October

### PM Prizes

Angela Moles and Andrea Morello win two of the Prime Minister's Prizes for Science – the nation's most prestigious awards for excellence in science.

### Medicine degree

Australia's first undergraduate-entry Doctor of Medicine program offers medical graduates a higher-level qualification and a more globally recognised degree.

### Award winner

Vice-President, Advancement, Jennie Lang wins the Distinguished Contribution to International Education Excellence Award.

### NHMRC

UNSW receives \$37 million in NHMRC funding, taking its total to \$88 million earmarked for health and medical research to begin in 2014, the most of any institution in the country.

### Industry scholarship

The prestigious Co-op scholarship scheme marks its 25th anniversary.

### Refugee law centre

UNSW Law launches the Andrew & Renata Kaldor Centre for International Refugee Law, headed by Professor Jane McAdam.

## November

### Vale

Memorial service held for energy pioneer and philanthropist Sir William Tyree.

### Indigenous graduates

Six Aboriginal women graduate with public health qualifications.

### ARC grants

UNSW secures more than \$54 million in funding from the ARC Major Grants and Future Fellowship programs, the highest total in the state.

### Philanthropy

Frank Lowy talks candidly "in conversation" with David Gonski at a Philanthropy Australia event.

### PoW

UNSW celebrates 50-year partnership with the Prince of Wales Hospital.

### Research recognised

UNSW-led team of researchers who grew cloned embryos containing the DNA of an extinct frog are named in *Time* magazine's top 25 inventions for 2013.

### Branding

UNSW changed its name from The University of New South Wales to UNSW Australia.

## December

### Balnaves graduation

Dr Andrew Julian becomes the first Indigenous medical student to graduate from UNSW on a Balnaves Foundation Scholarship.

### Spitfire fellowship

Dr Matthew Garratt from UNSW Canberra awarded the 2014 Spitfire Memorial Defence Fellowship to develop an advanced guidance system for micro air vehicles.

### Austrade award

Indian student Uttam Kumar wins a year of free study at UNSW through the global Austrade competition Win Your Future Unlimited.

### PM's award

Arts/Law student Sarah Greenbaum wins a Prime Minister's Australia Asia Award to study in Hong Kong.

### Imagine

A team of engineering students are awarded a \$50,000 Microsoft Imagine Cup grant for an idea that will help charities distribute food more efficiently.

### Mature-age entry

25th anniversary of the University Preparation Program, which has seen more than 4,000 mature-age students complete the scheme.

## South East Light Rail – a vital transport link for UNSW

UNSW is a key destination on the South East Light Rail route, which will extend from Circular Quay, through Sydney's CBD to UNSW via Central Station.

Light rail is a vital additional transport link for the University – taking thousands of students and staff members off buses and providing a higher capacity and more reliable service. UNSW was instrumental in ensuring the feasibility study to extend the CBD light rail proposal to Randwick became a reality when the project was given the green light in December 2012.

In 2013, the NSW Government recognised UNSW as a lead partner through a Memorandum of Understanding with Transport for NSW. Randwick City Council, the Australian Turf Club, Centennial Park and Moore Park Trust, and the City of Sydney Council have also entered into similar agreements to ensure the light rail takes its first passengers in 2019/2020.

The route map outlines two corridors that run to the University, serving both the upper and lower campus, which is why UNSW is involved in the planning and design of the light rail.

In December the University made a submission to Transport for NSW's Environment Impact Statement suggesting improvements and refinements to the Government's preferred plan.





## UNSW Council

The University is governed by a Council of 15 members led by the Chancellor under the *University of New South Wales Act 1989* ("The Act"). Members represent the interests of the University and the community, contributing expertise in a range of areas, including finance, commercial activities, law, governance and management, and planning and development.

The Council has Finance, Audit, Risk, Nominations and Remuneration, and Honorary Degrees committees.

The Council is able to draw on additional specialised expertise by appointing external members to its committees. Council and Council committee members serve the University on a voluntary basis. Further information on Council, its membership and committees is available on the UNSW website.

### Official Members

#### Chancellor

Mr David M. Gonski AC  
BCom, LLB *UNSW*, FAICD (Life), FCPA

#### President and Vice-Chancellor

Professor Frederick G. Hilmer AO  
LLB Syd, LLM *Pennsylvania*, MBA *Wharton*

#### President, Academic Board

Professor Prem Ramburuth  
BA, DipEd *South Africa*, MEd *Sydney*, EdD *UNSW*, Licentiate RAM, *London*, GradDip TESOL *South Australia*, MAICD

### Ministerial appointments

Mr Brian Long FCA

Ms Jillian S. Segal AM  
BA LLB *UNSW*, LLM *Harvard*, FAICD  
Deputy Chancellor

### Elected members

Ms Samantha Bobba

Mr Stefan Heap  
BA (Hons) Linguistics *UNSW*

Professor Rakesh Kumar  
MBBS *All-India IMS, New Delhi*, PhD MD *UNSW* FRCPA (Hon)

Mr Karl Natschev

Scientia Professor John Piggott BA Syd MSc PhD *London*  
FASSA

### Members appointed by Council

Mr Nicholas Carney BCom, LLB *UNSW*, MAICD

Dr Christine Clifton  
MB BS (Hons) BHA *UNSW*

Mr Terry Davis

Mr Matthew Grounds BCom LLB *UNSW*

Mr Warwick Negus  
BBus *UTS*, MComm *UNSW*, SF Fin

### Former members

Mr Paul Keighley was a Council member from the beginning of the year and completed his term of office on 2 July 2013.

### Academic Board

The Academic Board is the principal academic body of the University. Comprising 53 members, the Board advises the Vice-Chancellor and Council on matters relating to teaching, scholarship and research, and takes decisions on delegation from Council.

### Management

The Vice-Chancellor is the principal executive officer of the University and is responsible for the overall direction of corporate planning, budget activities and external relations. Under the Council, the Vice-Chancellor manages and supervises the administrative, financial and other activities of the University.

Reporting to the Vice-Chancellor are an Executive Team, eight Faculty Deans and the Rector of UNSW Canberra, who have significant delegated authority in relation to their areas.

## UNSW Foundation Limited Board of Directors

Mr David Gonski AC (Chairman)  
Mr Richard Alcock  
Mr Robert Hugh Barry  
Dr Anthony Berg AM  
Mr Robert Cameron AO  
Dr Robert Every AO (from June 2013)  
Dr Holly Forsyth  
Dr Daniel Gauchat  
Dr Catherine Harris AO PSM  
Professor Frederick Hilmer AO  
Professor Mark Hoffman (from February 2013)  
Ms Cassandra Kelly  
Dr Wallace King AO (Deputy Chair)  
Professor Ken Maher  
Ms Christine McNamee Liddy AO  
Dr Peter Mason AM  
Mr Bruce Morgan  
Mr Warwick Negus  
Mr Timothy Olsen  
Mr Simon Poidevin OAM  
Mr Julian Reynolds  
Ms Jillian Segal AM  
Mr Shane Simpson AM  
Dr Colin Sutton  
Sir Alfred William Tyree OBE (until October 2013)  
Mr Albert Yue-Ling Wong

Ms Jennie Lang – CEO  
Ms Deborah Samuels – Company Secretary



Inside the Tyree Energy Technologies Building

## Executive Team (as at 31 December 2013)

**President and Vice-Chancellor**  
Professor Frederick G. Hilmer AO  
LLB *Syd*, LLM *Pennsylvania*, MBA  
*Wharton*, FCPA

**Vice-President and Deputy Vice-Chancellor (Academic)**  
Professor Iain Martin  
MBChB(Hons), MEd(Dist), MD *Leeds*

**Vice-President and Deputy Vice-Chancellor (Research)**  
Professor Les Field AM  
BSc, PhD, DSc *Syd*, FAA, FRACI

**President, Academic Board**  
Professor Prem Ramburuth  
BA, DipEd *South Africa*, MEd *Syd*,  
EdD *UNSW*, Licentiate *RAM, London*,  
GradDipEd, TESOL *South Australia*,  
MAICD

**Vice-President, Finance and Operations**  
Mr Jonathan Blakeman  
BCom, Dip (LGA) *Auckland*,  
MPP *Well, CA*

**Vice-President, Advancement**  
Ms Jennie Lang  
BA BEd (Dist.) MEd *N'cle NSW*

**Vice-President, University Services**  
Mr Neil Morris  
BA *N'cle NSW*, TGM *INSEAD*

**Dean, Faculty of Law**  
Professor David Dixon  
BA *Camb*, BPhil *Hull*, PhD *Wales*

**Dean, Faculty of Science**  
Professor Merlin Crossley  
BSc (Hons) *Melb*, DPhil *Oxon*

## Senior Officers

**Pro-Vice-Chancellor (Research)**  
Professor Mark Hoffman  
BMechEng (Hons), PhD *Syd*, MBT *UNSW*

**Pro-Vice-Chancellor (Research Training)**  
Professor Laura Poole-Warren  
BSc (Hons), PhD *UNSW*

**Pro-Vice-Chancellor (Students)**  
Professor Wai Fong Chua AM  
BA (Hons) PhD *Sheffield*, FCPA, FCA,  
GAICD

**Pro-Vice-Chancellor (International)**  
Ms Fiona Docherty  
MA (Hons) *Glasgow*

## Vice-Chancellor's Advisory Committee

The key advisory body for the Vice-Chancellor meets fortnightly and comprises the Executive Team, Deans and Senior Officers.

## Deans

**Faculty of Arts and Social Sciences**  
Professor James Donald  
MA *Oxon*, PGCE DipEd MSc *London*, PhD  
*Open University* FAHA

**Faculty of Built Environment**  
Professor Alec Tzannes  
BSc (Arch) BArch *Syd*, MSc *Columbia*,  
Hon. AIA, Hon. MRAIC, Hon. FNZIA,  
LFRAIA, FAIB

**Australian School of Business**  
Professor Geoffrey Garrett  
BA (hons) *ANU*, MA, PhD *Duke*

**Faculty of Engineering**  
Professor Graham Davies  
BSc PhD DSc *Wales*, CEng, FIET, FInstP,  
FIOM3, FIEAust, FREng, FTSE

**College of Fine Arts**  
Professor Ross Harley  
BA (Hons) *Griffith*, MA, Doctor Creative Arts *UTS*

**Faculty of Law**  
Professor David Dixon  
BA *Camb*, BPhil *Hull*, PhD *Wales*

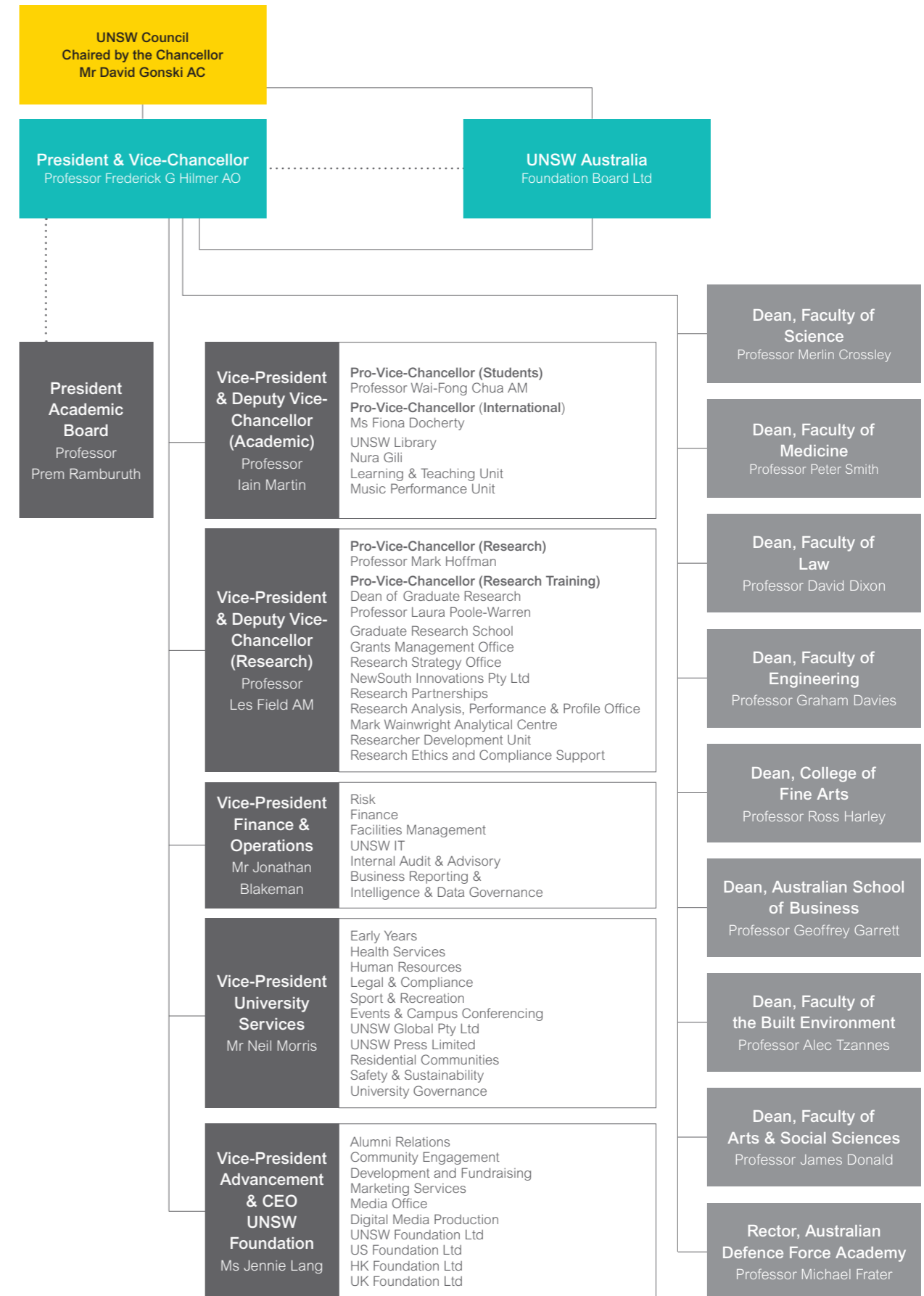
**Faculty of Medicine**  
Professor Peter Smith  
RFD MD *Qld*, FRACP, FRCPA, FAICD

**Faculty of Science**  
Professor Merlin Crossley  
BSc (Hons) *Melb*, DPhil *Oxon*

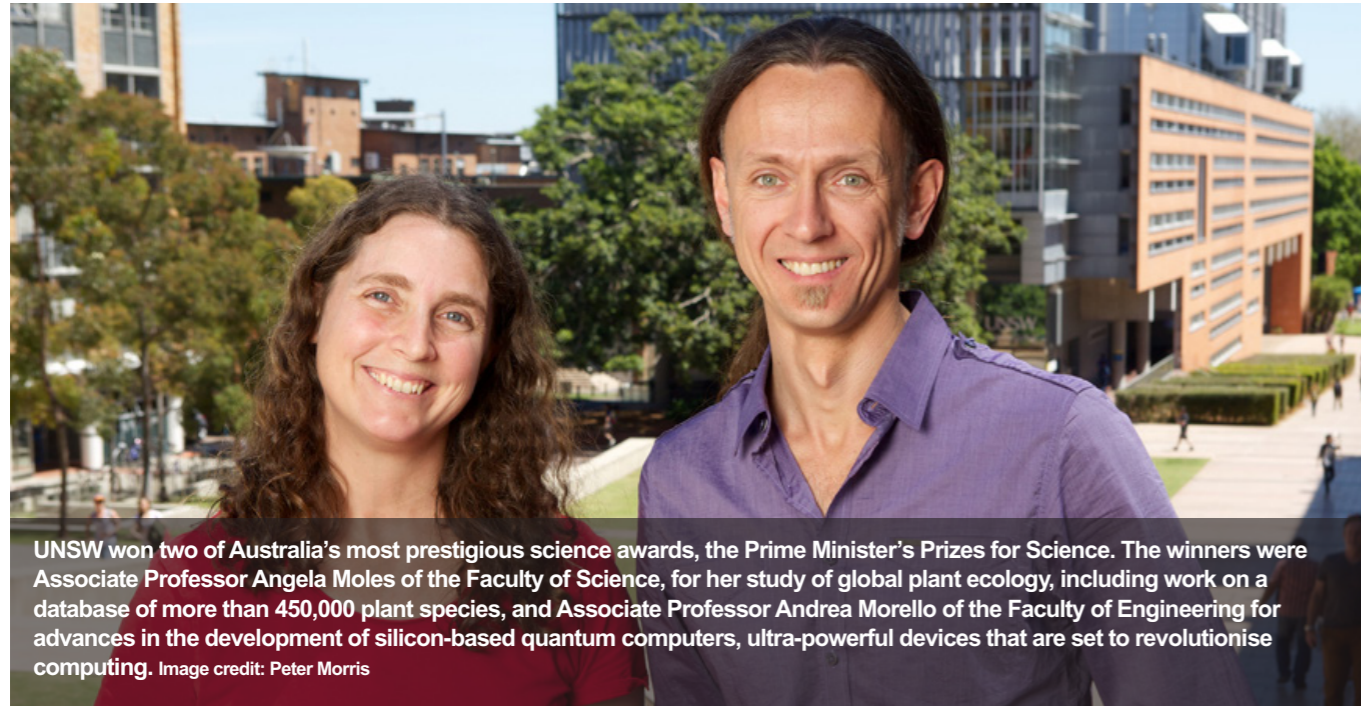
**UNSW Canberra**  
Professor Michael Frater (Rector)  
BSc BE *Syd*, MEd *UNSW*, PhD *ANU*,  
MIEEE, FIEAust

**Dean of Graduate Research**  
Professor Laura Poole-Warren  
BSc (Hons), PhD *UNSW*

(as at 31 December 2013)



We continue to build on our reputation for world-class research in areas critical to the future, using our close links with industry and other institutions to ensure our work has practical application and impact.



UNSW won two of Australia's most prestigious science awards, the Prime Minister's Prizes for Science. The winners were Associate Professor Angela Moles of the Faculty of Science, for her study of global plant ecology, including work on a database of more than 450,000 plant species, and Associate Professor Andrea Morello of the Faculty of Engineering for advances in the development of silicon-based quantum computers, ultra-powerful devices that are set to revolutionise computing. Image credit: Peter Morris

## 2013 highlights include:

### Research excellence

- We continued our strong performance in international league tables: 52nd in the 2013 QS World University Rankings; 114th in the 2013-2014 Times Higher Education World University Rankings and we rose nine places in the prestigious Shanghai Jiao Tong Academic Ranking of World Universities (132).
- We were one of only eight universities in the world to achieve a QS Five Star Plus rating. UNSW scored the maximum five-star rating for 12 key performance indicators in the 2014 *Good Universities Guide*, more than any other university in Australia.

### Research funding

- We were ranked 1st in the Go8 in NHMRC funding announced in November 2013 and will receive \$88m (13.5%) in new funding across all schemes for projects to commence in 2014.
- Comparing like with like programs, we had the largest increase in total NHMRC funding in the Go8, with a 39% jump.
- We placed 1st in NSW and 3rd in the Go8 in total new ARC funding across all schemes, with \$37m in new funding for 104 projects.
- We received \$13.2m in ARC Linkage Project grants, the highest level of funding in the state and the second highest in the country.

- Our total HERDC research income for 2012 increased by \$35m (12%) over the previous year – from \$296m to \$331m.
- Our total Category 1 Research income (Australian Competitive Research Grants) increased by 19% from \$125m to \$148m, the largest increase across the Go8. Our total Category 2 research income (other public sector research income) increased by 9% from \$105m in 2011 to \$114m in 2012.

### Research centres

- We launched the first research centre specialising in international refugee law, the Andrew & Renata Kaldor Centre for International Refugee Law, headed by Professor Jane McAdam.
- Two new Centres of Research Excellence (CRE) will target pressing mental health issues. The CRE in Suicide Prevention is led by UNSW Professor Helen Christensen, Executive Director of the Black Dog Institute. The CRE in Mental Health and Substance Abuse is led by Professor Maree Teesson from the National Drug and Alcohol Research Centre.

### Higher degree research

- Higher degree research completions were significantly higher than the Go8 average. Average time to completion for PhDs continues to improve - in 2012 it was four years for domestic candidates and 3.7 years for international candidates.

**\$37m**

ARC funding for 104 new projects, highest in NSW

**52**

2013 QS World University Ranking

**Success**

Researchers receive national and international awards

**Global**

Joined GlobalTech and APRU

**91%**

Satisfaction among international HDR candidates

**Excellence**

Awarded two new Centres of Research Excellence

**1st**

In the Go8 for NHMRC funding – \$88m for projects to begin in 2014

**Industry**

\$13.2m in Linkage Project grants, the highest level of funding in NSW

- We scored highly in the International Student Barometer survey, with 91% satisfaction. Domestic scholarship applications (high quality applicants) increased by 22% in 2013, and international applications increased by 18%.

### Research outputs

- Our research publications increased by 9% to 4,918 in 2012. There was an increase in books, book chapters and journal articles (2%, 15% and 11% respectively).

### Research facilities

- New research facilities underway include the upper campus Analytical Centre biomedical research facilities, to be fully operational by December 2014. We are planning for the growth of existing bioanalytical facilities and the possible addition of a new facility.
- The Solar Industrial Research Facility for solar cell research and development, the first of its kind in Australia, is now operating.

### Ethics

- UNSW established the Research Ethics & Compliance Support Office to bring together the committee compliance functions of animal ethics, human ethics, BioSafety and radiation safety under one unit.

### Collaboration and partnerships

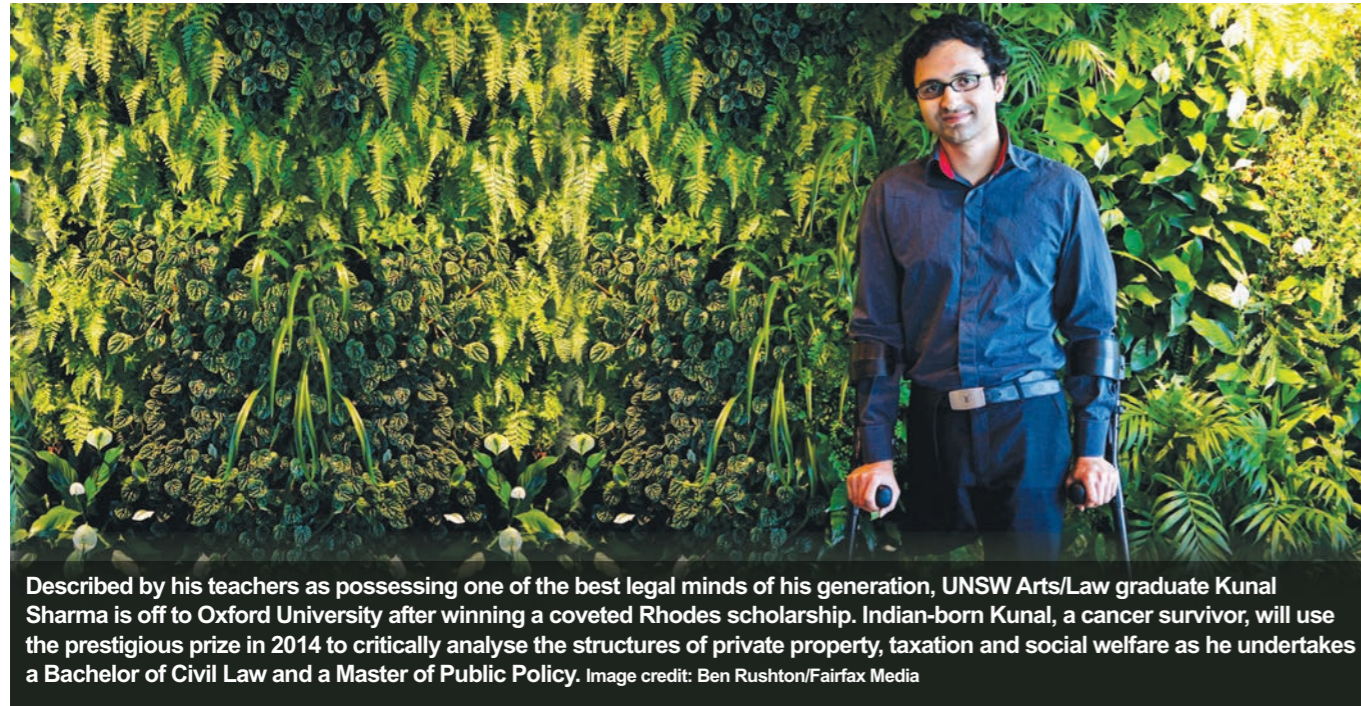
- We became the only Australian university to join GlobalTech, the Global Alliance of Technological Universities.
- We were elected to the prestigious Association of Pacific Rim Universities network (APRU), joining other leading research-intensive universities in the Asia-Pacific region including Stanford, UCLA, University of Hong Kong, University of Tokyo, National University of Singapore and Seoul National University.
- We cemented a joint commitment with Shanghai Jiao Tong University to develop a comprehensive partnership focused on increased research collaboration. We are making progress on the development of a flagship joint training program in advanced manufacturing engineering with the prestigious Xi'an Jiaotong University, and have progressed negotiations with the China Scholarship Council to secure a 50% increase in the number of PhD candidates under this flagship research partnership.

### Intellectual property

- NewSouth Innovations (NSi) executed 19 Easy Access IP licences across 27 technologies. It also commenced a \$5m research program with a major financial services company on quantum computing.
- The current IP portfolio consists of about 146 patent families, with more than 50 revenue-generating licences. There are currently 4 active spin-off companies developing technology that originated at UNSW.

# Student Experience

Innovative research and teaching combined with strong international and industry links give our graduates a competitive edge.



Described by his teachers as possessing one of the best legal minds of his generation, UNSW Arts/Law graduate Kunal Sharma is off to Oxford University after winning a coveted Rhodes scholarship. Indian-born Kunal, a cancer survivor, will use the prestigious prize in 2014 to critically analyse the structures of private property, taxation and social welfare as he undertakes a Bachelor of Civil Law and a Master of Public Policy. Image credit: Ben Rushton/Fairfax Media

## 2013 highlights include:

### Enrolments

- We exceeded all enrolment targets, attracting the highest number of Top 500 school leavers, with 244 of the top cohort across NSW and ACT listing UNSW as their first preference.
- The median ATAR of school leavers offered a place in the main round at UNSW in 2013 was 91.95, the highest in NSW.
- UNSW announced a new entry standard for its undergraduate degrees, becoming the first university to apply a minimum admission rank of 80.
- As a destination of choice for students with the highest potential, irrespective of background, we increased recruitment and retention of low-SES students. 2013 saw a record number of Indigenous enrolments, up 16% year-on-year to 381. We continued to have the highest number of Indigenous medical students in Australia.

### International students

- We welcomed 5,793 commencing international students from 125 countries. Further expanding our extensive global links, we signed 101 new and renewed agreements, including Memoranda of Understanding, Dual Degree, Student Exchange, Practicum Exchange, Study Abroad and Articulation Agreements with a range of leading universities in 31 countries.
- To ensure we continue to recruit high achieving Chinese students, we accepted the Gao Kao, the Chinese High

School qualification, setting the entry standard on par with Chinese institutions.

- UNSW Foundation Studies' enrolments grew by about 20% to 1,197 and are expected to contribute more than 600 international undergraduate students to UNSW in 2014.

### Global focus

- About 20% of graduating students have had some international experience as part of their degree. In 2013, 699 UNSW students embarked on 871 outbound semester exchange placements, while more than 1,500 students participated in international internships, summer school, study tours, exchange and volunteer abroad opportunities.
- We collaborated with key partner institutions such as the Universitas 21, GE3, APRU, GlobalTech and China 9 networks to increase our capacity for student mobility overseas.

### New programs

- A number of new programs, dual degree combinations and majors were introduced in 2013. The full list is available on the University's website.

### Scholarships

- As a result of a more streamlined scholarship website, there was an 88% increase in scholarship applications from high-school leavers for 2014.
- In 2013, we offered 46 Scientia scholarships to high-achieving students. We also increased our equity scholarship program, offering 10 UAC equity scholarships.

**Top 500**  
Attracted the highest number of the State's top school leavers

**91.95**  
Highest median ATAR in NSW

**Quality**  
Announced a new minimum admission rank of 80

**5 Star**  
Rating for 12 key indicators in the Good Universities Guide

**700**  
Mentors trained for programs to assist commencing students

**Accommodation**  
Guarantee for all commencing international undergraduates

**381**  
Record number of Indigenous students enrolled in 2013

**Graduates**  
Highest median starting salaries of any university in NSW

- 21 Ben Lexcen Scholarships were awarded, including to national champions in sports such as sailing, taekwondo and snowsports. Three scholars represented Australia at the World University Summer and Winter Games and two were selected to represent Australia in the 2014 Sochi Winter Olympics.
- The first Indigenous medical student supported by a Balnaves Foundation Scholarship received his degree.

### Accommodation

- With the addition of five new residential colleges, there are now close to 5,000 on-campus beds available for UNSW students, including in affiliated colleges and UNSW-run off-campus apartments. This is a doubling of capacity in just four years.
- In 2013, we announced an accommodation guarantee for all first-year international undergraduate students commencing studies in 2014.

### Student support

- Peer Mentoring@UNSW and Counselling and Psychological Services counsellors trained more than 700 mentors for commencing students in 2013 across 24 different mentoring programs.
- Enrolment in the co-curricular UNSW Leadership Program grew to more than 1,080 students and attendances at workshops increased by 720%. The program emphasises socially responsible community leadership, with students having contributed more than 1,400 volunteer hours to community partners.

- UNSW celebrated 25 years of the University Preparation Program, which has helped more than 4,000 mature-age students gain university entry.
- Building on the success of previous enabling programs, UNSW Prep was launched with a small intake of students. The one-year program gives students aged 17-19 who have faced ongoing disadvantage the opportunity to undertake preparatory studies in either Arts and Social Sciences, Business, Engineering or Science. Students are then able to progress and succeed in degree level studies at UNSW. It is hoped the program will expand in 2014.

### MOOCs

- UNSW joined some of the world's best universities in partnering with Coursera, the largest provider of Massive Open Online Courses (MOOCs). We commenced development of the University's first MOOCs, including System Engineering, for delivery starting in April 2014.

### Digital teaching innovation

- Two UNSW academics were awarded prestigious national learning and teaching grants to develop innovative digital teaching platforms. Associate Professor Gangadhara Prusty is developing a virtual workshop for engineering and design students and Associate Professor Sidney Newton is working on a virtual reality simulator for construction management and architecture students.

# Community Engagement

UNSW makes an impact on contemporary issues by being a partner of choice for industry and government, providing research expertise and policy advice, and fostering relationships with alumni, donors and community organisations.



The Clancy Auditorium was packed to capacity with politicians, business leaders, students and members of the community as UNSW hosted a special ABC TV Q&A program on global health and development, featuring Microsoft founder and philanthropist Bill Gates. Mr Gates, co-chair of the Bill & Melinda Gates Foundation, answered questions on topics ranging from philanthropy, tax and aid to technology and being an introvert in business. He predicted polio could be stamped out by 2018 with an investment of \$5.5 billion.

## 2013 highlights include:

### Fundraising

- Successful fundraising saw the UNSW Foundation receive more than \$30.9 million in 2013, an increase of 63% year-on-year.
- Construction started on a new centre at UNSW designed to position Sydney as a major innovation hub in the Asia-Pacific. The Crouch Innovation Centre has been made possible through a donation from UNSW alumnus Michael Crouch AO, Executive Chairman of Zip Industries.
- More than \$6 million was raised for the Kirby Institute and this attracted matching funding from the Atlantic Philanthropies.
- Sir Michael Hintze honoured his father, Michael Hintze senior, with the unveiling of a new lecture theatre at UNSW made possible by a \$1 million donation. Former Prime Minister Paul Keating was a guest at the event.
- Ron Finemore presented the Ron Finemore Transport Academic Achievement Awards which encourage academically gifted high school students from regional NSW to undertake undergraduate study at UNSW.
- UNSW hosted a public memorial service in November for energy pioneer and philanthropist Sir William Tyree in the Tyree Energy Technologies Building.
- Through online fundraising and crowd funding, friends and family of gifted Law student Danielle Sirmai raised \$109,000 in 2013 for the Danielle Sirmai Memorial Award. The award will support travel costs for a Law student to take an overseas internship or specialised course of study

focusing on international commercial arbitration or private international law.

- The Defence Science and Technology Organisation (DSTO) is supporting four scholarships in 2013 and 2014 for female students studying Science and Engineering. The undergraduate scholarships are valued at \$40,000 over four years for each recipient, who will also have access to a mentor provided by DSTO.

### Alumni

- Alumni events took place worldwide, with successful meetings across Asia as well as in the US and France.
- The Vice-Chancellor's Telephone Alumni Appeal received \$2.5 million in pledges over five years, with \$1.7 million in cash received by November 2013.
- UNSW is establishing the Global Circle of Friends of UNSW Australia, aiming to significantly increase performance in philanthropy and expand the circle of friends and supporters. The Global Circle will include the UNSW Foundation Ltd, UNSW Foundation Hong Kong, UNSW Foundation in the US and the UK Friends of UNSW Australia.
- Chief of Defence General David Hurley BA (Mil)'75 was among a stand-out group of recipients to be honoured at the 2013 Alumni Awards dinner. Other winners included founders of software company Atlassian, Michael Cannon-Brookes BSc'02 (*Business & Information Technology*) and Scott Farquhar BSc'03 (*Business & Information Technology*); and a Posthumous Award to Dr Robert Maple-Brown BCom'65 HonBus'08.

**\$30.9m**

Secured fundraising income – up 63% on 2012

**Thought leaders**

43% increase in the number of opinion pieces published in mainstream media year-on-year

**250,000**

Members of the UNSW alumni community from 140 countries

**Global**

UNSW is establishing the Global Circle of Friends of UNSW Australia with Boards in Sydney, Hong Kong, the UK and US

**250,000**

Likes on UNSW's Facebook page – best result for an Australian university

**Innovation**

The Crouch Innovation Centre made possible through a generous donation from alumnus Michael Crouch AO

**\$2.5m**

Total pledges over 5 years through the Vice-Chancellor's Telephone Alumni Appeal

**Honours**

We awarded eight honorary degrees to outstanding members of the community, including former PM John Howard

## Community outreach

- A series of flagship events for the community included: a special Q&A with Bill Gates, broadcast to more than 1 million viewers on ABC TV; the Ghandi Oration delivered by former High Court Justice Michael Kirby; and the second Australia and China Climate Change Forum.
- Westpac CEO Gail Kelly helped unveil a bust of Nelson Mandela and paid tribute to his inspiring legacy and leadership in the 2013 Wallace Wurth Lecture.
- UNSW hosted a Philanthropy Australia event – Mr Frank Lowy 'in conversation' with Chancellor David Gonski.
- India's Education Minister Mr Pallam Raju visited UNSW and called for stronger research partnerships between university sectors.
- We were the only university to participate in the NSW Premier's mission to India, showcasing our 'green steel' technology and the research of Scientia Professor Veena Sahajwalla.
- UNSW Vice-President Advancement, Jennie Lang, won national recognition by being awarded the Distinguished Contribution to International Education Excellence Award.
- In 2013, books published by UNSW Press won a number of literary awards, including a NSW Premier's Literary Award for *Don't Go Back to Where You Came From* by Tim Soutphommasane and an Australian Educational Publishing Award for *Conservation in a Crowded World* by John Merson, Rosie Cooney and Paul Brown.

- One of our education outreach initiatives, the ASPIRE program, partnered with 57 schools in regional Sydney and rural NSW. Since 2010, there has been a 28% increase in university offers to school leavers from ASPIRE partner schools and a 50% increase in offers to study at UNSW.

## Social and digital media

- UNSW continues to be a leader in the use of social media. Our Facebook page was ranked number 1 in the 2013 Social Pulse Awards for the highest number of followers in the education sector and the highest rate of engagement. There was also increased engagement with UNSW's Twitter, LinkedIn and Google+ profiles. UNSW also established a new Instagram account in October 2013.
- UNSW is a leader in the use of digital media to promote its reputation. UNSW's YouTube channel is Australia's top educational channel, consistently ranking in the top 15 educational channels in the world. To showcase the work of our innovative students, we will be launching a series of short videos in 2014 featuring start-up ideas ranging from a food charity app to cycling safety.

## Honorary degrees

- In 2013, we awarded eight honorary degrees to outstanding members of the community in recognition of their significant achievements. Recipients were: Daniel Petre (Hon.DBus), Robert Meyer (Hon.DLit), The Hon. John Howard (Hon.LLD), Vincent Lo (Hon.DBus), Sir Ralph Norris (Hon.DBus), Sir Michael Pepper (Hon.DSc), Peter Ritchie (Hon.DBus) and Richard Tognetti (Hon.DMus).

# Capabilities & Resources

By continually improving our leadership and operational capabilities and maximising the availability of resources where they are needed most, we are able to ensure the best possible environment for learning, teaching and research.



UNSW now has almost 5,000 student beds on or around campus with the addition of 1,300 new beds in the past year. The Kensington Colleges Redevelopment project has seen the unveiling of five new residential colleges, which set a benchmark for student accommodation in Australia. Facilities include student lounges, free WiFi throughout, and roof gardens with spectacular views. UNSW can now guarantee accommodation to all commencing first-year international undergraduates.

Image credit: Peter Bennetts Photographer

## 2013 highlights include:

### Campus transformation

- **The Kensington Colleges Redevelopment and Expansion:** This 950-bed on-campus student accommodation project was completed under budget and on time with quality outcomes. It comprises replacement buildings for Basser, Goldstein, and Baxter Colleges, in addition to a new fourth college, to be known as Fig Tree Hall, and a Seniors Hall – Colombo House.
- **Wallace Wurth Building Redevelopment and Expansion:** Construction of Stages 2 and 3 is progressing well. All areas will be fully occupied by June 2014.
- **Gateway@COFA:** Final defect rectification is progressing with the official opening scheduled for late 2014. The Arc space and art shop have been completed and the café fit-out is underway.
- **Materials Science and Engineering Building:** Construction is well advanced on this new building, which will also house the Michael Crouch Innovation Centre.
- **Mechanical and Manufacturing Engineering Precinct Development:** The project team has proceeded well into design finalisation and implementation with construction commencing in early 2014.
- **Australian Advanced Treatment Centre:** Excavation for Stage 1 is complete and tendering for Stage 2 is to commence in early 2014. The Project is scheduled for completion by mid-2016.

- **Port Macquarie Joint Health Education Facility:** Following a sod turning in late 2013, commencement of construction began in late January 2014, with practical completion by December 2014. The project is tracking to the set program and budget.
- **Biomedical Renewal Project:** This project will be delivered in two phases – an Enabling Works phase and the Main Works phase. Construction is expected to be completed by December 2016.

### Facilities

- Investment and upgrading of teaching infrastructure has included digital AV upgrades in 27 central teaching rooms and extensive refurbishment of learning environments in Old Main, the Science Theatre, Level 1 of Mathews, Central Lecture Block and the Mathews Theatres. Three new lecture theatres and seminar rooms called the Fig Tree Theatres will open in 2014.
- We increased the number of wireless stations on campus from 1,800 to 3,500 and tripled the speed of the wireless network.

### New IT systems

- In 2013, we successfully implemented a new student management system as well as introducing a new learning management system – Moodle.

### Retail

- A significant number of new retail outlets on campus include IGA, Max Brenner, Guzman y Gomez, Coco Cubano, Moochi, Mamak Village, Yummba Vegetarian,

1,300

New on-campus beds provided with opening of Kensington Colleges

Teaching

Major upgrade of teaching infrastructure

\$186.4m

Investment in campus infrastructure across 115 projects

3,500

The number of wireless stations on campus and a tripling of network speed

Retail

Rollout of retail master plan expands on-campus eating, shopping and service choices

Leadership

Women leaders supported through new development program for professional staff

91%

Success rate for female applicants in the latest promotion round for Professor

Safety

Fewer workplace injuries and more health and safety training

Stellini Pasta Bar, Sharetea, Physiotherapy and Sport Medicine Clinic, Subway, Boost Juice and WH Smith.

### Sport

- A review has led to some major changes in the way sport at UNSW is run and delivered. The YMCA is now operating the UNSW gym, pool and swim school via a management contract; Arc@UNSW is responsible for the governance and management of UNSW sporting clubs; and the Scholarships Unit has taken over responsibility for the prestigious Ben Lexcen Scholarships.

### Work culture

- New Heads of School were supported through an inaugural induction program and the establishment of the Head of School Leadership Program, aimed at better preparing staff for the role and responsibilities of senior leadership positions at UNSW.

### Workplace diversity

- Work to develop and retain talented female leaders included the UNSW Senior Women's Network and the establishment of the UNSW Professional Women in Leadership Program, to be launched in 2014. This will complement the existing Academic Women in Leadership Program.
- UNSW's gender equity initiatives have seen the number of female applicants for promotion to Professor increase by 57% year-on-year, with a 91% success rate in 2013, up from 57%. Similarly, there was an increase in the success rate for female applicants for Associate Professor promotions - 85% in 2013, up from 55%.

- The University commenced implementation of a new Enterprise Data Warehouse, which will provide better identification and understanding of diversity patterns. A full list of employment equity and diversity programs is available on the HR website.
- Engineering created a Women in Engineering manager position to support the Faculty's goal of increasing the proportion of female student enrolments to 25% by 2020.

### Health and safety

- There was a significant reduction in total workers compensation claims down from 99 in 2012 to 58 in 2013. Highlights include a 56% reduction of the manual handling claims rate for 2013 compared to the average over the past nine years and the repetitive motion claims rate reducing by 70%.
- Our Lost Time Injury Frequency Rate fell from 3.5 in 2012 to 2.2 in 2013, with an online reporting tool boosting staff reporting of incidents and hazards, allowing more issues to be remediated.
- UNSW maintained its Self-Insurers Licence, passing a WorkCover Self Insurers Audit achieving a score of 84% in Management Responsibility and 83% in Risk Management.
- UNSW campuses will be entirely smoke-free after a unanimous resolution of the University's Level 1 Health, Safety and Environment Committee in November 2013. The new smoke free environment policy will take effect from May 31 2014, which is World No Tobacco Day.

# Research & Teaching Awards

## Major research and teaching prizes awarded in 2013 include:

### Order of Australia (AO)

Prof Robert Clark, Faculty of Engineering

### Member of the Order of Australia (AM)

Prof Anne Simmons, School of Mechanical and Manufacturing Engineering

Prof Robyn Ward, Prince of Wales Clinical School

### Prime Minister's Prizes for Science

#### Frank Fenner Prize for Life Scientist of the Year

A/Prof Angela Moles, School of Biological, Earth and Environmental Sciences

#### Malcolm McIntosh Prize for Physical Scientist of the Year

A/Prof Andrea Morello, School of Electrical Engineering and Telecommunications & ARC Centre of Excellence for Quantum Computation and Communication Technology

### Eureka Prizes

#### The Australian Government Eureka Prize for Promoting Understanding of Australian Science Research

Prof Rob Brooks, School of Biological, Earth and Environmental Sciences

#### 3M Eureka Prize for Emerging Leader in Science

A/Prof David Wilson, Kirby Institute

#### NSW Office of Environment and Heritage Eureka Prize for Environmental Research

Dr Michael Letnic, School of Biological, Earth and Environmental Sciences (with Prof Chris Johnson, University of Tasmania; Dr Euan Ritchie, Deakin University; Dr Arian Wallach, James Cook University; and Adam O'Neill, Evelyn Downs Station)

### NSW Science & Engineering Awards

#### Excellence in biological sciences (cell and molecular, medical, veterinary and genetics)

Prof Katharina Gaus, Centre for Vascular Research

#### Emerging research

Scientia Prof Justin Gooding, School of Chemistry

#### Excellence in engineering and information and communications technologies

Prof Martina Stenzel, School of Chemical Engineering

#### Excellence in mathematics, earth sciences, chemistry and physics

Prof John Webb, School of Physics

### NSW Young Tall Poppy Science Awards

Dr Julian Berengut, School of Physics

Dr Jessica Grisham, School of Psychology

Dr Belinda Liddell, School of Psychology

Dr Sarah Perkins, ARC Centre of Excellence for Climate System Science & UNSW Climate Change Research Centre

Dr Neeraj Sharma, School of Chemistry

#### ARC Australian Laureate Fellowship

Scientia Prof Michelle Simmons, ARC Centre of Excellence for Quantum Computation and Communication Technology

#### Fellowship of the Australian Academy of Technological Sciences and Engineering

Prof Graham Davies, Faculty of Engineering

Prof Maria Skyllas-Kazacos, School of Chemical Engineering

#### Fellowship of the Royal Society

Scientia Prof Martin Green, Centre for Advanced Photovoltaics

#### Distinguished Member of the American Society of Civil Engineers

Scientia Prof Mark Bradford, School of Civil & Environmental Engineering

#### Australian Academy of Science Dorothy Hill Award

Dr Lisa Alexander, Climate Change Research Centre

## TEACHING HONOURS

### Office of Learning & Teaching

#### Citations for Outstanding Contributions to Student Learning

Dr Tania Bucic, School of Marketing

A/Prof Alistair Poore, School of Biological, Earth and Environmental Sciences

Mrs Judith Watson, Australian School of Business

#### 2013 Australian ICT Educator of the Year

A/Prof Richard Buckland, School of Computer Science and Engineering

### Vice-Chancellor's Awards for Teaching Excellence

#### General Category

Dr Kar Ming Chong, School of Accounting

Dr Ricardo Flores, School of Management

Dr Alexandra George, School of Law

Dr Stewart Head, School of Medical Sciences

A/Prof Mina Roces, School of Humanities and Languages

A/Prof Norman Wildberger, School of Mathematics and Statistics

#### Postgraduate Research Supervision

Prof Jeffrey Braithwaite, Australian Institute of Health Innovation

A/Prof John Stride, School of Chemistry

#### Sessional Teaching

Mr Nicholas Fewster-Young, School of Mathematics and Statistics

Dr Sue Morris, School of Psychology

#### Initiatives that Enhance Learning

Mr Robert Tumarkin, School of Banking and Finance

#### Learning and Teaching Technologies

Dr Loretta Dobrescu and Dr Alberto Motta, School of Economics

#### The Heinz Harant Award

Dr Loretta Dobrescu and Dr Alberto Motta, School of Economics

## Poppy Campaign

Building Australia's Future

# Research



UNSW academics won five of the nine NSW Young Tall Poppy Science Awards in 2013. From left: Dr Julian Berengut (Physics), Dr Jessica Grisham (Psychology), Dr Sarah Perkins (Climate Change Research Centre), Dr Belinda Liddell (Psychology), and Dr Neeraj Sharma (Chemistry).

**UNSW Australia**

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**Hours of business**

Switchboard: Monday – Friday, 9am – 5pm  
Many departments of the University  
operate beyond standard business hours.

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