



Annual Report 2014

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 2014 – Volume 1

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The University's 2014 Financial & Statutory reports are in Volume 2.

Annual Report of The University of New South Wales

In accordance with the *Annual Reports (Statutory Bodies) Act 1984* (NSW), UNSW presents to the Honourable Adrian Piccoli MP, Minister for Education, the following report of its proceedings for the period 1 January to 31 December 2014.

Professor Ian Jacobs
President and Vice-Chancellor

Mr David Gonski AC
Chancellor



Message from the President & Vice-Chancellor

“

As a result of the successes of recent years, we are able to develop ambitious plans from a strong foundation.

”



It is a pleasure to present the 2014 Annual Report for UNSW Australia. I took up the post of President and Vice-Chancellor in February 2015 – this report details the achievements and challenges of the last 12 months of Professor Fred Hilmer’s very successful term in that role.

2014 has been notable on a number of fronts. UNSW became the first university in Australia to apply a minimum Admission Rank of 80 across its undergraduate programs, with the aim of maintaining the high quality of its student intake. The University once again attracted the highest percentage of the top 500 students’ first preferences and, very importantly, increased recruitment and retention rates for low-SES students. It’s particularly gratifying to see that UNSW Medicine celebrated the graduation of six Indigenous doctors – the most ever in a single year – extending UNSW’s leadership in Indigenous medical education.

Also notable was UNSW’s outstanding achievement in winning the largest share of Australian Research Council funding of any university in the country, as well as our strong performance in international rankings.

Stellar achievements, such as that of our solar researchers, who in 2014 managed to convert over 40% of the sunlight hitting a solar system into electricity, the highest efficiency ever reported, helped to cement UNSW’s growing international reputation, as did international recognition of some of our leading academics. In 2014, geneticist David Sinclair was named by *Time* magazine as one of the 100 most influential people in the world, Scientia Professor of Physics Michelle Simmons joined the likes of Stephen Hawking and Albert Einstein as an elected member of the American Academy of Arts and Sciences, and Scientia Professors Justin Gooding and Martin Green and Professors Andrew Grulich and Stephen Lord were highly cited in a list of the world’s most influential scientists.

UNSW established its Scientia Professorships to recognise outstanding research performance, and it is pleasing to see Professors Katharina Gaus and Helen Christensen join fellow eminent academics Veena Sahajwalla, Michelle Simmons, Jane McAdam and Rose Amal in the ranks of the University’s female Scientia Professors.

Our students also shone. Sunswift, a team of UNSW engineering students, was officially recognised as world-record holders for the fastest electric vehicle over 500 kilometres, while our robot football team rUNSWift became world champions, winning the 2014 RoboCup, which I understand is the robot version of the FIFA World Cup!

The University ended the year in a sound financial position, with a group operating result of \$11 million. It was a record year for fundraising, and we thank our donors, alumni and other friends of the University for their generous support.

These are only some of the highlights of a very successful year for UNSW. I commend this report to you and I congratulate Professor Hilmer, his leadership team and other staff on all that has been achieved, not only in 2014, but over the past eight years.

Staff and students at UNSW are currently involved in a consultation to plan our 2015–2025 strategy. As a result of the successes of recent years, we are able to develop ambitious plans from a strong foundation. I look forward to sharing the strategic plan that emerges and UNSW’s continued progress in future annual reports.

Professor Ian Jacobs
President and Vice-Chancellor

Message from the Chancellor



In 2014, Professor Fred Hilmer AO informed us that he would be stepping down from the position of Vice-Chancellor at the beginning of 2015. This meant 2014 was the final year under his leadership and in June we announced the appointment of Professor Ian Jacobs as his successor.

In Professor Hilmer's final year we can look at a campus transformed, with the rebuilding of our medical and engineering precincts close to completion and the opening of the redeveloped Art & Design campus in Paddington as well as the award-winning Kensington Colleges. But the ambitious building program has continued: as detailed in this report, 2014 was certainly not a year, in any area, for marking time or simply reflecting on achievements.

The University continues to be indebted to its generous benefactors. In 2014 two of Sydney's most respected names in art and design lent major philanthropic support: Judith Neilson and Penelope Seidler. The \$10 million Judith Neilson Chair in Architecture will take the lead in researching the design of affordable housing for the tens of millions of people around the world displaced by factors such as natural disasters and geo-political conflicts, while internationally renowned architect Professor Glenn Murcutt is the inaugural recipient of the Seidler Chair in the Practice of Architecture.

Looking back over the eight and a half years that Professor Hilmer was at the helm, we can only marvel at how much was achieved in such a short period. UNSW now has one of the most effective governance and management structures of any Australian university. The development of clear strategic goals has focused institutional endeavour and borne fruit not only in terms of campus renewal but in the recruitment of outstanding staff, a significant increase in philanthropic donations and competitive research grants, an enhanced international reputation and improvements to the student experience.

UNSW is the destination of choice for the brightest staff and students, and the University's financial management is on a much sounder basis, as reflected once again in a solid financial performance in 2014.

UNSW is a university on the rise: there is no doubt that the Hilmer years will be regarded as one of the most significant chapters in the University's history and we thank him sincerely for all he has done for us.

Of course it is vitally important that the impetus for improvement and constant renewal continues, and to that end the University embarked on an intensive international search for a successor. We were delighted when Professor Jacobs, then Vice-President and Dean of Medicine at the University of Manchester, agreed to accept the appointment.

I thank the University's Council, senior management, staff, alumni and other friends of the University for their efforts and support over the year. I am confident that under the leadership of Vice-Chancellor Jacobs we can look forward to the next exciting chapter in the UNSW story.

Mr David Gonski AC
Chancellor

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UNSW is a university on the rise: there is no doubt that the Hilmer years will be regarded as one of the most significant chapters in the University's history.
”



UNSW's new Kensington Colleges opened in 2014. Photo: Brett Boardman

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 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 128 countries, making us one of Australia's most cosmopolitan universities. Our emphasis on quality continues to push up entry standards – in 2014 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 Art & Design in Paddington and UNSW Canberra at the Australian Defence Force Academy.

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 universities 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.

2014 Snapshot

STUDENTS

53,481¹ STUDENTS	39,848¹ LOCAL STUDENTS	13,633¹ INTERNATIONAL STUDENTS
39,597¹ STUDENT LOAD (EFTSU)	19,905¹ COMMENCING STUDENTS	268,808 ALUMNI

STAFF

6,117 TOTAL STAFF 5,603 full-time equivalent	FEMALE 1,086 MALE 1,700 ACADEMIC STAFF	FEMALE 2,126 MALE 1,205 PROFESSIONAL STAFF
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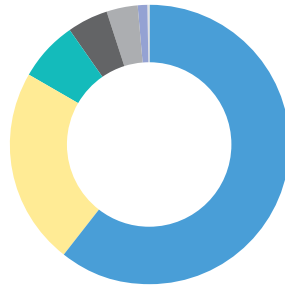
2014 Financial Summary

	CONSOLIDATED	
	2014	2013
		(restated)
	\$'000	\$'000
Total revenue and income	1,747,147	1,620,040
Employee costs	(942,056)	(874,138)
Other expenses	(675,041)	(641,776)
Accounting result	130,050	104,126
Restricted for specific purposes:		
Philanthropic funds	(16,670)	(15,934)
Capital grants	(20,776)	(25,722)
Specific purpose grants	(11,576)	(8,841)
Non-core operating:		
Investment funds	(52,017)	(25,318)
Extraordinary items ²	(18,309)	-
Operating result	10,702	28,311

¹ Student data updated (01.06.2015)

² Recognition of the Commonwealth and NSW Governments' agreement to fund the State Authorities Non-contributory Superannuation Scheme (SANCS) liabilities.

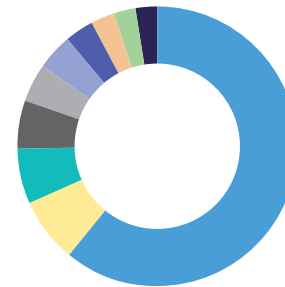
8 FACULTIES
1 COLLEGE
47 SCHOOLS
132 UNSW AND EXTERNAL CENTRES AND INSTITUTES
18 ON-CAMPUS COLLEGES AND AFFILIATED STUDENT ACCOMMODATION
380 ACADEMIC VISITORS



Students by Level of Program

32,501 ¹	Bachelor and Diploma
12,169 ¹	Masters Coursework
3,688 ¹	Doctorate
2,563	Grad Dip and Grad Certificate
1,949	Non-Award
609 ¹	Masters Research
5	Postgraduate Qualifying

¹ Student data updated (01.06.2015)



Top 10 Countries of Origin for International Students[#]

7,126	China (including Hong Kong)
864	United States of America
741	Malaysia
659	Indonesia
510	Brazil
497	Singapore
377	India
343	South Korea
283	Vietnam
281	United Kingdom

[#] Full-Degree and Non-Award



Aerial view of the UNSW Kensington campus. Photo: Ethan Rohloff

The University
is ranked

48th

in the 2014 QS World
University Rankings.

Best
MBA



The Australian Graduate School
of Management MBA program is
recognised as one of the finest
in the world by the *Financial
Times* (UK) 2014 ranking of the
top 100 global MBA programs.



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 |

Research Excellence



UNSW researchers won the highest amount of
Australian Research Council funding
in Australia.

Leader in Education

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

UNSW is the only Australian member of the Global Alliance of
Technological Universities; is a member of the Association of Pacific
Rim Universities; and is a partner of Coursera, the largest provider of
MOOCs in the world.



Global Alliance of
Technological Universities

APRU

Association of Pacific Rim Universities



FACULTIES

ARTS & SOCIAL SCIENCES
BUSINESS SCHOOL
BUILT ENVIRONMENT
ART & DESIGN
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, engineering, IT, management and science, which are open to all students.

More of Australia's top CEOs who lead ASX 200 companies studied at UNSW than any other university.

(Leading Company 2012)

UNSW boasts the largest number of millionaire alumni of any 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 was voted first in NSW in the 2014 QS Global Employability University Rankings.

2014 in Review

January

Honours

A group of 10 academics, including three members of UNSW Built Environment, are recognised with Australia Day honours.

Academy awards

Professor Chris Turney and Associate Professor David Warton awarded prestigious Australian Academy of Science prizes for their work in climate change science and statistical ecology.

International acclaim

Scientia Professor Stuart Wenham and his photovoltaic research team win the Institution of Engineering and Technology's A.F. Harvey Engineering Research Prize worth more than \$500,000.

Camping on campus

Twenty-four female high-school students spend five days living on campus at the Women in Engineering camp, aimed at helping reach a goal of 25% female enrolments in Engineering by 2020.

Gandhi Oration

Acclaimed author Thomas Keneally AO delivers the 2014 Gandhi Oration.

February

Musical chair

One of Australia's leading composers, Paul Stanhope, is appointed the new Artistic Chair of the Australia Ensemble, UNSW's resident chamber music group.

Top 10

UNSW performs strongly in the QS World University Subject Rankings, with 16 subjects in the world's top 50 and Accounting and Finance breaking into the top 10.

'Good' lawyers

UCLA Professor Richard Abel explores what it means to be a 'good lawyer' during the 'war on terror' in the 2014 Hal Wootten lecture.

NHMRC grants

UNSW wins \$22.8 million in NHMRC grants, far ahead of any other university in the state.

Profitable idea

Lithicon AS, a high-tech company that provides 3D images and simulations to the oil and gas industries, sells for \$76 million in one of UNSW's most significant commercial spin-offs.

March

Rising star

UNSW named the "rising star" in high-quality research publications for the Asia-Pacific region after it is ranked fourth in Australia in the Nature Publishing Index.

Howard years

UNSW Canberra to house the papers of former PM John Howard OM, AC, after his personal papers are transferred to the University through a partnership with the National Archives of Australia.

New Business Dean

Professor Chris Styles from the Australian Graduate School of Management is appointed Business School Dean.

Inaugural winner

Professor Emma Johnston is named the inaugural winner of the Nancy Millis Medal for Women in Science for her leadership and research on human impacts on marine ecosystems.

Smart Sparrow

eLearning software developed at UNSW raised \$10 million from investors to go global.

July

Policy recognition

The Productivity Commission puts UNSW research at the centre of its proposed shake-up of Australia's childcare system, adopting key principles from a Social Policy Research Centre submission.

Football fever

Germany wins the FIFA World Cup, but Australia wins the robot version with UNSW's student-led team emerging victorious in the final of RoboCup 2014, in Brazil.

Rock star

Scottish "rock star" Professor of Geoscience Iain Stewart is the inaugural winner of the UNSW Medal for Science Communication and delivers the first Scientia Lecture.

Archibald win

Art & Design Masters student Fiona Lowry wins the 2014 Archibald Prize for her haunting, airbrush portrait of the architect and accountant Penelope Seidler.

Nobel Laureate honoured

French Nobel Laureate Françoise Barré-Sinoussi is awarded an honorary doctorate in recognition of her contribution to HIV/AIDS research.

August

Best in field

UNSW research in engineering/technology and computer science is ranked 42 in the Academic Ranking of World Universities by China's Shanghai Jiao Tong University, making UNSW the best performing Australian university in the field.

Focus on renewables

Photovoltaic researchers secure more than \$7 million from the first round of ARENA's Research and Development Program.

Cancer success story

Professor Michelle Haber wins the 2014 Cancer Institute NSW Premier's Award for Outstanding Cancer Researcher of the Year for her translational research in childhood cancers.

Crowd-funding

Dr Ben McNeil launches crowdfunding platform Thinkable.org to allow the public to financially support younger scientists who want to carry out blue-sky research.

Jack Beale Lecture

Australia's Chief Scientist Professor Ian Chubb delivers the annual Jack Beale Lecture.

September

Nick Waterlow Gallery

The \$58 million redevelopment of the UNSW Art & Design campus is officially opened and includes the Nick Waterlow Gallery, named in honour of the late UNSW academic.

New Dean for Engineering

Pro-Vice-Chancellor (Research) Professor Mark Hoffman is announced as the new Dean of Engineering.

Teaching excellence

Teaching staff win four citations for Outstanding Contributions to Student Learning as part of the Australian Awards for University Teaching.

Premier's Prize

Scientia Professor John Gascoigne, from Arts & Social Sciences, wins the NSW Premier's History award with his book, *Encountering the Pacific in the Age of Enlightenment*.

River Prize

The prestigious Australian River Prize of \$200,000 is awarded to the Lake Eyre Basin Partnership, which includes UNSW biologist Professor Richard Kingsford.

April

Man of his time

UNSW and Harvard geneticist David Sinclair is named by *Time* magazine as one of the 100 most influential people in the world.

MOOC success

More than 20,000 students enrol to take part in UNSW's first Massive Open Online Course, a nine-week program in systems engineering.

US science honour

Quantum physicist Scientia Professor Michelle Simmons joins the likes of Stephen Hawking, Albert Einstein and Alexander Graham Bell as an elected member of the American Academy of Arts and Sciences.

Ainsworth donation

Construction of the new School of Mechanical and Manufacturing Engineering begins following a substantial philanthropic donation from businessman Len Ainsworth

National award

UNSW childcare centre Tigger's Honeypot Early Years director Sylvia Turner receives a National Excellence in Teaching Award for her "inspirational leadership".

May

Smoke-free campus

UNSW uses World No Tobacco Day to announce it has become smoke-free across all campuses.

Mental health focus

Professor Zachary Steel is appointed the inaugural St John of God Professorial Chair for Trauma and Mental Health, a partnership with the hospital based at Richmond.

Defence gains

Three female science and engineering students from UNSW win \$40,000 Defence Science and Technology Organisation (DSTO) scholarships.

Chinese exchange

UNSW signs a major student mobility agreement with China's prestigious Shanghai Jiao Tong University.

Security base

The Australian Centre for Cyber Security, located at UNSW Canberra, is launched bringing together the largest cohort of cyber security experts in the country

June

New Vice-Chancellor

Professor Ian Jacobs, a leading UK researcher in women's health and cancer, is named to succeed Professor Fred Hilmer as President and Vice-Chancellor.

Donors honoured

UNSW hosts reception to honour nine donors who have together contributed more than \$25 million to the University.

ARC success

UNSW outperforms every other university in the country to receive \$10.5 million for ARC industry-based collaborative research projects.

Citable researchers

Four UNSW academics are named as Highly Cited Researchers in a list of the world's most influential scientists. They are Professors Justin Gooding, Martin Green, Andrew Grulich and Stephen Lord.

Colombo Plan

All five of our nominated students received prestigious New Colombo Plan Scholarships to study at leading universities in the region. This was the best result of the Go8.

October

Nura Gili turns 10

UNSW's Indigenous Program Unit supporting more than 400 Indigenous students on campus celebrates its 10th anniversary.

Aspirational gift

The UNSW ASPIRE program, which has introduced university life to thousands of disadvantaged school students, receives \$250,000 from Google under its Google Impact Challenge Australia.

World record

UNSW's student solar racing team, Sunswift, is officially recognised as world-record holder for the fastest electric vehicle over 500 kilometres.

Quantum leaps

Two UNSW research teams publish simultaneously in *Nature Nanotechnology* after creating two types of quantum bits – the building blocks for quantum computers – that each process quantum data with accuracy above 99%.

China office opens

UNSW's first office in mainland China opens in Nanjing, marking an important step in our strategic investment in China relations.

November

Tall poppies

Standout researchers at UNSW win five of the year's 10 Tall Poppy Science Awards – the largest number of winners from one university.

Award-winning colleges

The Kensington Colleges win the National Award for Residential Architecture – Multiple Housing at the Australian Institute of Architects annual awards.

Vice-Chancellor farewell

More than 600 guests attended the Gala Town and Gown Dinner and Farewell to Vice-Chancellor Professor Fred Hilmer.

ARC coup

UNSW researchers win the highest amount of ARC funding in Australia – with \$45.3 million across three funding schemes.

Nature first

Professor Michelle Simmons appointed Editor-in-Chief of the first *Nature* partner journal for international quantum research, launched at UNSW by the federal education minister Christopher Pyne.

December

Philanthropic gifts

UNSW announces a \$10 million gift from Judith Neilson to establish a Chair in Architecture aimed at improving the lives of displaced people, and a major gift from arts patron Penelope Seidler AM to create the Seidler Chair in the Practice of Architecture.

Second Rhodes scholar

Emily Burke becomes UNSW's second Rhodes Scholar for the year after joining her Arts/Law colleague Sean Lau with a place at Oxford.

Indigenous doctors

Medicine celebrates the graduation of six Indigenous doctors – our highest number in a single year.

New Medicine Dean

Australian academic Professor Rodney Phillips is lured back to Australia from Oxford after being appointed Dean of Medicine.

Hot record

UNSW's solar researchers announce they have converted more than 40% of the sunlight hitting a solar array into electricity, the highest efficiency yet reported.



Student innovation – taking the world by storm

UNSW students showed they were truly world beaters in 2014, highlighting why UNSW is renowned globally for its engineering program.

In July a solar car built by the student-led UNSW Sunswift team smashed a 26-year-old world record for the fastest electric car over 500km on a single charge. In the same month, UNSW Computer Science and Engineering students won RoboCup 2014 in Brazil, the robotics equivalent of the FIFA World Cup.

The Sunswift team is inspired by a vision of a world powered by renewable energy. It has competed in the biennial World Solar Challenge since 1996 and has broken numerous world records. The team is now using crowd-funding to help convert its fifth-generation vehicle eVe into Australia's first road-legal solar car.

The UNSW robot football team, rUNSWift, competed in the standard platform league of RoboCup, the world's largest robot competition. All teams compete with identical machines – only the software is different. The UNSW team wrote 125,000 lines of code to help their protégés to victory. The rUNSWift team last won in 2003, but have regularly placed in the top three teams. But it's not all about sport. The expertise they have developed will be used in robotic systems research in areas such as health, transport and industry.



Main photo of Sunswift: Daniel Chen | Photos of RoboCup: Grant Turner/Mediakoo

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 (as at 31 December 2014)

Ex-Officio

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

Mr Billy Bruffey

Associate Professor Dorottya Fabian
BMus (Hons) *Liszt Ferenc Academy of Music Budapest*,
MMus PhD *UNSW*, FAHA

Ms Emma Lovell
BE (Hons) *Chemical Engineering UNSW*

Mr Aaron Magner
BEc *Macquarie*, MEM LLM *UNSW*

Scientia Professor John Piggott
BA *Sydney*, MSc PhD *London*, FASSA

Members appointed by Council

Dr Jennifer Alexander
MB BS MCom MHP *UNSW*, FRACMA FAFPHM
FAICD FAIM FACHSM
Pro-Chancellor

Ms Maxine Brenner
BA LLB *UNSW*

Mr Nicholas Carney
BCom LLB *UNSW*, MAICD

Mr Matthew Grounds
BCom LLB *UNSW*

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

Former members

The following were Council members from the beginning of the year and completed their term of office on 30 June 2014: Ms Samantha Bobba, Dr Christine Clifton, Mr Terry Davis, Mr Stefan Heap, Professor Rakesh Kumar and Mr Karl Natschev.

Academic Board

The Academic Board is the principal academic body of the University. Comprising more than 50 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
Mr Mark Dorney (from October 2014)
Dr Robert Every AO
Dr Holly Forsyth
Dr Daniel Gauchat
Dr Catherine Harris AO PSM
Professor Frederick G. Hilmer AO
Professor Mark Hoffman
Mr Roderick Houg-Lee (from August 2014)
Ms Cassandra Kelly
Dr Wallace King AO (Deputy Chair)
Ms Christine Margaret McNamee Liddy AO
Professor Ken Maher (until February 2014)
Dr Peter Edward 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
Mr Albert Yue-Ling Wong

Ms Jennifer Lang – CEO
Mr Matthew Mellsop – Company Secretary

Leadership

Executive Team (as at 31 December 2014)

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 & Chief Executive, UNSW Foundation

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

Art & Design

Professor Ross Harley
BA (Hons) *Griffith*, MA DCA *UTS*

Arts & Social Sciences

Professor James Donald
MA *Oxon*, PGCE DipEd MSc *London*, PhD
Open University FAHA

Built Environment

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

Business School

Professor Chris Styles
BCom (Hons) *UWA*, PhD *London Business School*

Engineering

Professor Graham Davies
BSc PhD DSc *Wales*, CEng, FIET, FlInstP,
FIOM3, FIEAust, FEng, FTSE

Law

Professor David Dixon
BA *Camb*, BPhil *Hull*, PhD *Wales*

Medicine

Professor Peter Smith
RFD MD *Qld*, FRACP, FRCPA, FAICD

Science

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

UNSW Canberra

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

Graduate Research

Professor Laura Poole-Warren
BSc (Hons) PhD *UNSW*

Senior Management Appointments

Professor Ian Jacobs, a leading UK researcher in women's health and cancer and Vice-President and Dean at the University of Manchester, was appointed incoming President and Vice-Chancellor to commence in February 2015.

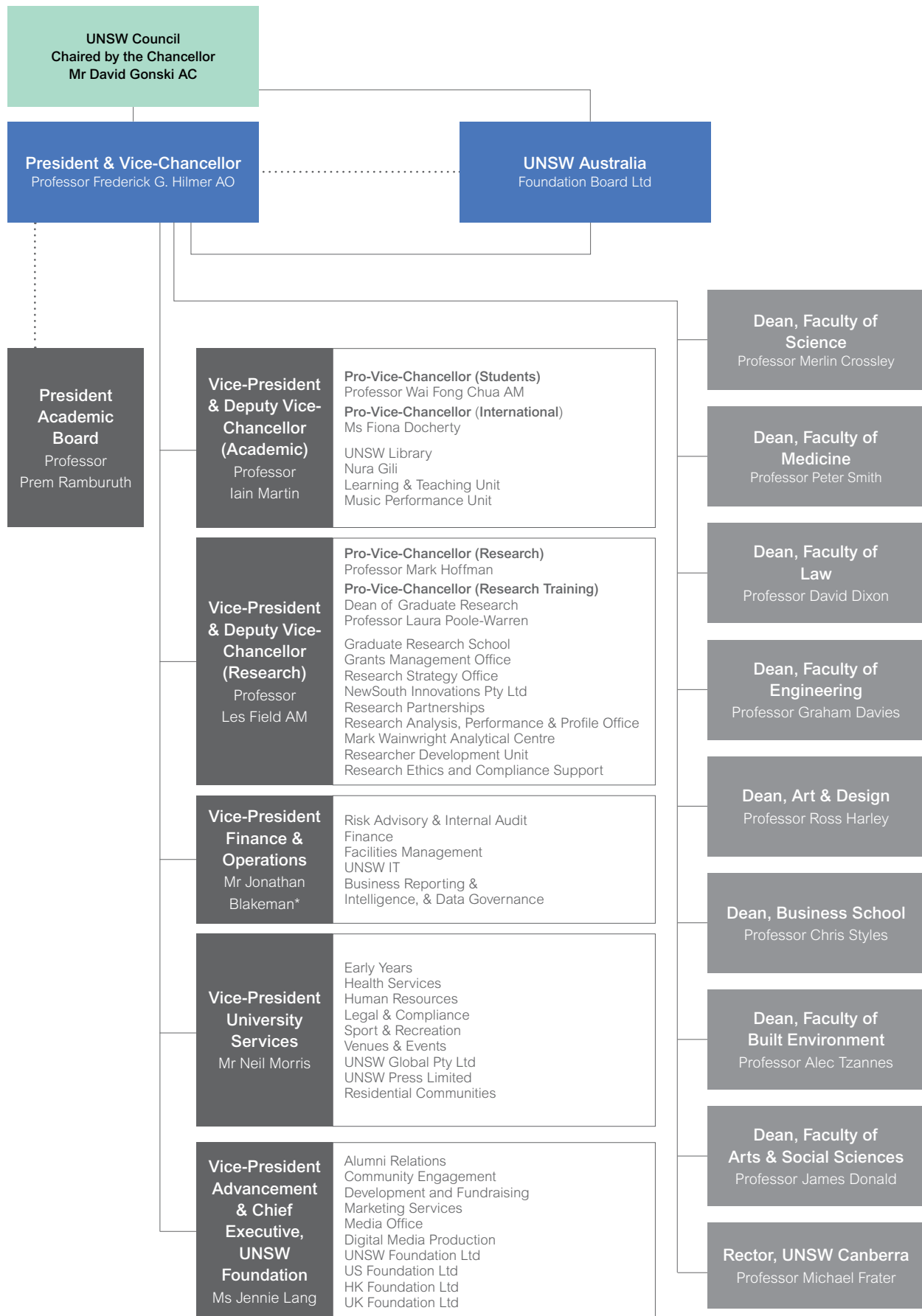
UNSW Pro-Vice-Chancellor (Research) Professor Mark Hoffman was appointed Dean of Engineering to commence in February 2015.

Professor Rodney Phillips from the University of Oxford was appointed Dean of Medicine to commence mid-2015.

Deputy Dean and AGSM Director Professor Chris Styles commenced as Dean of the Business School in July 2014, replacing Professor Geoffrey Garrett, who was appointed Dean of the Wharton School at the University of Pennsylvania.

Organisational Chart

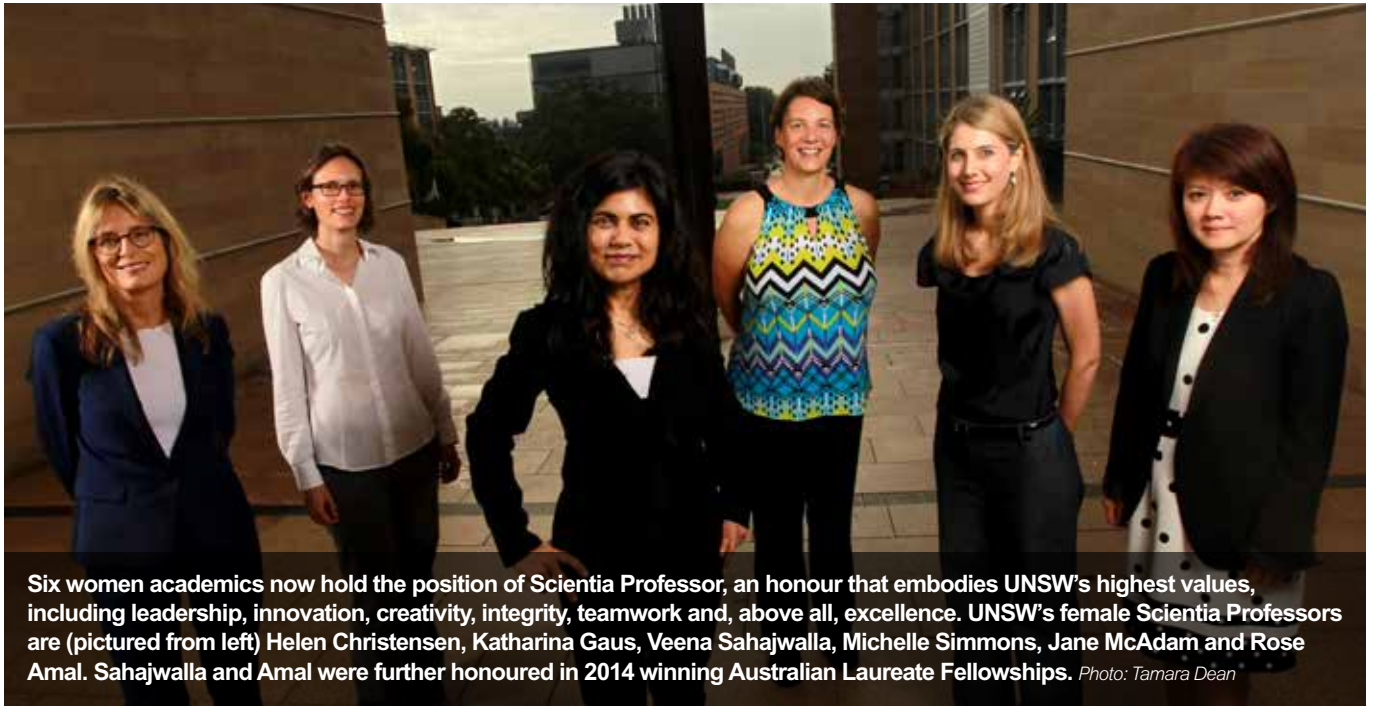
(as at 31 December 2014)



*until November (deceased). Mr Stephen Rees acting in the role.

Research

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.



Six women academics now hold the position of Scientia Professor, an honour that embodies UNSW's highest values, including leadership, innovation, creativity, integrity, teamwork and, above all, excellence. UNSW's female Scientia Professors are (pictured from left) Helen Christensen, Katharina Gaus, Veena Sahajwalla, Michelle Simmons, Jane McAdam and Rose Amal. Sahajwalla and Amal were further honoured in 2014 winning Australian Laureate Fellowships. Photo: Tamara Dean

2014 highlights include:

Research excellence

- We continued our strong performance in international league tables: 48th in the 2014 QS World University Rankings; 109th in the 2014-2015 Times Higher Education World University Rankings - described as "one of the biggest-rising universities in the rankings over recent years" and we rose three places in the prestigious Shanghai Jiao Tong Academic Ranking of World Universities (130).

Funding

- We were ranked fifth in the Go8 in NHMRC funding announced in November 2014 and will receive \$65.8m (10%) in new funding across all schemes for projects starting in 2015. Excluding Program Grants, UNSW had the largest increase (21%) in total NHMRC funding in the Go8.
- We placed first in the Go8 in total new ARC funding across all schemes, with \$68m in new funding for 168 projects.
- We received \$10.5m in ARC Linkage Project grants, the highest level of funding in the country.
- We received the most of any Go8 institution for NHMRC established career researchers, gaining \$7.6 million for 10 Research and Practitioner Fellowships. UNSW received \$3.9 million in Partnership Grants, which was also the highest level of funding in the country. The University received \$21 million in NHMRC Program Grants, the second-largest amount.

- Our total HERDC research income for 2013 increased by \$16m (5%) over the previous year – from \$331m to \$347m.
- Our total Category 1 Research income (Australian Competitive Research Grants) increased by 4% from \$148m to \$154m, the third-largest increase across the Go8. Our Category 2 research income (other public sector research income) was \$110m in 2013, down from \$114m in the previous year.

Innovation centre

- The Michael Crouch Innovation Centre (MCIC), which is nearing completion, will bring together students from across all faculties and disciplines to find solutions to important problems for Australia and the world. The MCIC will house collaborative innovation spaces with state-of-the-art facilities and infrastructure. A Chief Operating Officer was appointed in August 2014, with staffing to be increased in 2015.

Higher degree research

- Higher degree research completions were significantly higher than the Go8 average. Average time to completion for PhDs continues to improve – 3.9 years for domestic candidates and 3.7 years for international candidates in 2013.
- We scored highly in the International Student Barometer survey, with 88% satisfaction. High-quality domestic scholarship applications increased by 21% in 2014, and international applications increased by 19%.

\$68m

ARC funding for 168 new projects, the highest in the Go8

48

2014 QS World University Ranking

Recognition

Researchers receive national and international awards

Global

Australian Technology Park Innovations co-founded by UNSW, voted world's leading technology incubator for 2014

4,294¹

Higher Degree Research candidates

Excellence

\$65.8m in NHMRC funding for projects to begin in 2015

Collaboration

Commonwealth Bank commits \$5m to the quantum computing centre of excellence

Industry

\$10.5m in ARC Linkage Project grants, the highest level of funding nationally

Research outputs

- UNSW was named the “rising star” in high-quality research publications for the Asia–Pacific region after it was ranked fourth in Australia in the Nature Publishing Index.
- Our research publications increased by 13% to 5,534 in 2013. There was an increase in book chapters and journal articles (8% and 20% respectively).

Research facilities

- Formerly known as the Australian Advanced Treatment Centre, the Scientia Clinical Research (SCR) Facility is one-quarter of a larger project on the Prince of Wales Hospital Campus being managed by Health Infrastructure. Stage one, the underground radiation treatment bunkers, was completed at the end of 2014. The main building, which incorporates the SCR Facility, is scheduled for completion in 2016.

Ethics

- The service for the Human Research Ethics, Animal Care and Ethics, Institutional Biosafety and Radiation Safety Committees is now integrated into the newly formed Research Ethics & Compliance Support team.
- Frequency of meetings of the Institutional Biosafety and Radiation Safety Committees has been increased to significantly reduce turnover time for applicants while compliance requirements have been reviewed to minimise red tape.

Collaboration and partnerships

- Our ARC Centre of Excellence for Quantum Computation & Communication Technology entered into a major contract with the Commonwealth Bank of Australia (\$5m) to further develop quantum computing and communications.
- Income from international sources increased to \$22.4m compared with \$17.4m in 2013. Around half this amount is from industry partners and predominantly from the US.
- We signed a new Affiliation Agreement with the Centre for Eye Health/Guide Dogs NSW/ACT.

Intellectual property

- NewSouth Innovations (NSi) executed 30 Easy Access IP licences across 21 technologies. It also piloted Easy Access Research where partners receive an option for an open access IP licence. Five partners have invested more than \$5m to UNSW research under the plan.
- The UNSW Intellectual Property portfolio consists of around 170 patent families, with more than 70 revenue-generating licences. There are seven active spin-off companies developing technology that originated at UNSW.

¹ Student data updated (01.06.2015)

Student Experience

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



The graduation of six Indigenous doctors was the highest number in a single year and cemented UNSW's place as a leader in Indigenous medical education. Most were the first in their families to attend university and credited UNSW's Indigenous support program and Rural Clinical School with helping them to realise their ambitions. Two had scholarships provided by the Balnaves Foundation, and all six received residential scholarships from the Shalom Gamarada program. Pictured from left are Khyarne Biles, Murray Haar, Jessica Wade, Laura Fitzgerald, Tyron Clayworth and Haylee Solomons. *Photo: Grant Turner*

2014 highlights include:

Enrolments

- UNSW became the first university in Australia to apply a minimum Admission Rank of 80 across its undergraduate programs, with the aim of maintaining the high quality of its student intake.
- We exceeded all enrolment targets, attracting the highest percentage of the top 500 students' first preferences as well as increased recruitment and retention rates for low-SES students.
- The median ATAR of school leavers offered a place in the main round at UNSW was 92.15, the highest in NSW.
- 59 Indigenous students graduated from UNSW in 2014. We continued to have the highest number of Indigenous medical students in Australia.

New Colombo Plan and Rhodes scholars

- All five of our nominated students received prestigious New Colombo Plan Scholarships to study at leading universities in the region, valued at \$67,000 each. This was the best result in the Go8. Two UNSW arts/law students won prestigious Rhodes Scholarships to Oxford.

International students

- We welcomed 5,495 commencing international students from 128 countries. Further expanding our global links, we signed 58 new agreements with a range of leading universities in 51 countries.

- 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 2015.

Global focus

- About 22% of graduating students have had some international experience as part of their degree. 795 UNSW students embarked on 952 outbound semester exchange placements in 2014, while more than 1,700 students participated in international opportunities.
- In July, more than 100 students from across the U21 network visited UNSW for the two-week U21 Summer School, focused on the theme, 'Shaping the Future City'.

New initiatives

- A number of new programs, dual degree combinations and majors were introduced in 2014. UNSW invested \$7m in strategic educational initiatives aimed at enhancing the quality and reach of our education programs.
- The ASPIRE program, which partners the University with 57 schools across NSW, was a finalist in the Google Impact Challenge and received mentoring and a \$250,000 grant from Google.
- The Learning Centre hosted a Thesis Writing Boot Camp with students from the Graduate Research School.
- Careers and Employment launched International Students Careers Week involving more than 1,000 students.
- Student Life and Learning's online help tool for students, *NavigateMe*, was piloted among undergraduates

TOP

Attracted the highest percentage of first preferences from the state's top school leavers

92.15

Highest median ATAR in NSW

Quality

First university in Australia to apply a minimum Admission Rank of 80

FIVE

Students awarded New Colombo Plan scholarships, valued at \$67,000 each

Demand

UNSW Foundation Studies' enrolments up 20%

Elite athletes

14 Ben Lexcen sports scholarships awarded along with 40 Elite Athlete scholarships

88.6%

Scored highly in the International Student Barometer survey, which measures satisfaction

Innovation

'Flipped classrooms' transform the ground level of the Business School

- Application processes were further streamlined and automated to ensure thousands of prospective students receive timely and informative responses.

UNSW scholarships

- 2014 saw a 20% increase in scholarship applications from high school leavers, with a record number of almost 7,000 applications from 1,700 Year 12 students.
- New Student Achievement Awards assisted 45 school leavers who were former U@UNSW program participants, as well as five Rural Student Achievement Awards for regional ASPIRE partner schools. More than 320 students received equity scholarships.

Accommodation

- In October, NSW Family and Community Services Minister Gabrielle Upton officially opened the \$110m redevelopment of the Kensington Colleges, home to almost 1,000 students on campus.

Student support and development

- Nura Gili, UNSW's Indigenous Program Unit, celebrated its 10th anniversary in October. The inaugural Scholarships Reception was also held to thank supporters and contributors to UNSW's Indigenous programs.
- As a result of more intensive support for our UPP/UNSW Prep students, retention rates increased by 24% from 2013, while grades in core Maths and English courses improved by 54% and 63% respectively.

- There were continuing high levels of engagement in our AHEGS-accredited Leadership Program (1,500 students), while our Getting Started service helped thousands of new students transition into UNSW.

- The free app, Uni-Verse, which includes campus maps, news and event calendars, hit the milestone 1,000 unique visitors per day in 2014.

- A record number (878) of student mentors volunteered to support new students.

MOOCs

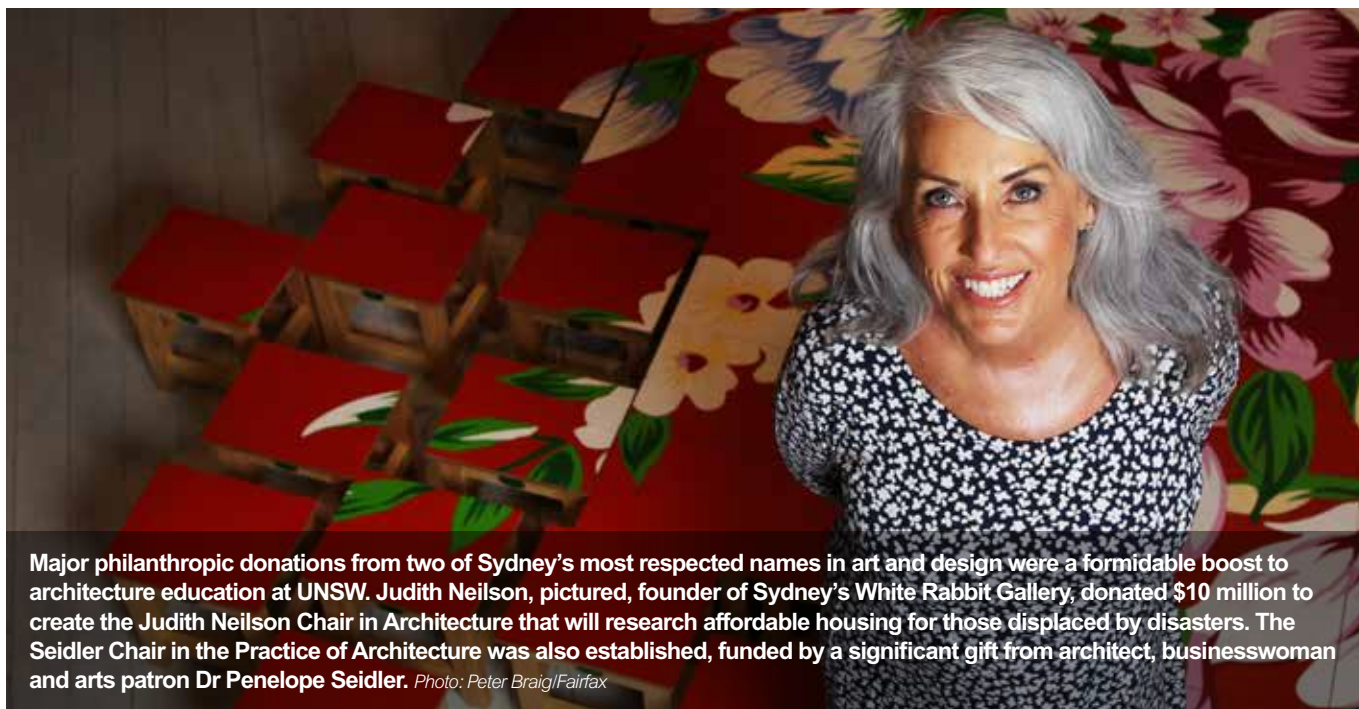
- UNSW continued working with Coursera to develop MOOCs, with three successfully delivered in 2014 – Learning to Teach Online; Mechanics: Motion, Forces, Energy and Gravity, from Particles to Planets; and Introduction to Systems Engineering. Nine MOOCs are planned for delivery in 2015.

Teaching innovation

- The ground level of the Business School was transformed into 'flipped classrooms' where students are encouraged to brainstorm using innovative technology and whiteboard walls. This new style of learning encourages group problem solving and collaboration.
- The 'Beginning to Teach' program was piloted to develop the teaching capability of early career researchers and research students with little or no experience of teaching.
- In 2014 we received four Office for Learning and Teaching Citations for Outstanding Contributions to Student Learning and three Australian Awards for University Teaching. For the list of winners see page 26.

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.



Major philanthropic donations from two of Sydney's most respected names in art and design were a formidable boost to architecture education at UNSW. Judith Neilson, pictured, founder of Sydney's White Rabbit Gallery, donated \$10 million to create the Judith Neilson Chair in Architecture that will research affordable housing for those displaced by disasters. The Seidler Chair in the Practice of Architecture was also established, funded by a significant gift from architect, businesswoman and arts patron Dr Penelope Seidler. Photo: Peter Braig/Fairfax

2014 highlights include:

Fundraising

- The UNSW Foundation had its most successful year of fundraising, generating \$35.3m of philanthropic revenue for the University. This was up from the previous record of \$30.9m in 2013.
- Judith Neilson donated \$10 million to establish the Judith Neilson Chair in Architecture in the Faculty of Built Environment. The Chair will lead research in the design of affordable housing for people displaced by natural disasters, geo-political conflicts, and environmental factors. An accompanying free public lecture series will focus on the research and practice issues of relevance to the work of Chair.
- A donor reception was held in June to honour nine donors who have together contributed more than \$25 million to UNSW. Hamish Balnaves spoke on behalf of all donors. As part of the event the following major donors were added to the donor wall at the entrance to the John Niland Scientia Building: the Ainsworth Foundation, Australian Nuclear Science and Technology Organisation, Berg Family Foundation, the Estate of the Late John Anthony Gilbert, Glencore, Glendonbrook Foundation, Sir Michael Hintze AM, King & Wood Mallesons, KPMG, Roads and Maritime Services, Jillian Segal AM, John Roth and the Roth Charitable Foundation, and the Estate of the Late Susanne Rae Walker.
- Two rooms were named in recognition of the generous support of donors: The Segal Foyer in the UNSW Law School was named in honour of Sidney and Mignon Segal and was donated by their daughter, Jillian Segal AM *BA LLB UNSW* and son-in-law, John Roth *BE(Mining Eng) UNSW* as well as the Roth Family Foundation. The Robert Maple-Brown Room, in the UNSW Business School, recognises the important contribution Mr Maple-Brown made to his University.
- The Global Circle of Friends of UNSW Australia continues to grow, with the UK Foundation holding its first meeting in 2014. Both the Hong Kong Foundation Board and the UNSW & Study Abroad – Friends and US Alumni Inc refreshed their membership in 2014.

Alumni

- We recognised the success and leadership of seven of our most outstanding graduates at the annual Alumni Awards. Arts & Design: Ms Del Kathryn Barton *BFA'94*; Community-at-Large: Ms Margaret O'Neill *BOptom'91 (Hons)*; Science: Scientia Professor Deo-Karan Prasad AO *MArch'88 MSc (Building)'90 PhD'93*; Business: Dr Daniel Petre AO *BSc'81 HonDBus'13*; Young Alumni: Mr Jeremy Balkin *BCom'05*; International Alumni: Dr Aihua Wang *PhD'93* jointly with Associate Professor Dr Jianhua Zhao *PhD'90*. From 2015, the awards will be expanded to nine categories.
- Alumni events took place around the world, with successful meetings in a number of cities including Hong Kong, Singapore, Kuala Lumpur, Shanghai, Beijing and New York.

\$35.3m

Secured record level of philanthropic revenue – up from 2013

\$10m

Donated by Judith Neilson to establish the Judith Neilson Chair in Architecture

Farewell

2014 Gala Town and Gown Dinner and Farewell to Professor Fred Hilmer

Partnerships

New media partnership with the ABC and new YouTube series launched

325,000

Likes on UNSW's Facebook page – most popular of all Australian universities

International

The Global Circle of Friends of UNSW continues to grow, with the UK Foundation holding its first meeting

Alumni

Outstanding graduates recognised with Alumni Awards

Ideas

Hosted inaugural Sir William Tyree Energy Lecture

Community outreach

- The 2014 Gala Town and Gown Dinner and Farewell to Vice-Chancellor Professor Fred Hilmer was held in November with more than 600 guests attending. The University welcomed a wide range of alumni and friends including distinguished guests His Excellency the Governor of NSW, General David John Hurley AC, DSC and the Hon Adrian Piccoli MP, NSW Minister for Education who was representing the Premier of NSW, along with a significant overseas contingent.
- UNSW supported the making of 'Unindian', a new Australian film by alumnus Anupam Sharma, starring former cricketer Brett Lee in his first lead role. Filming took place on campus in November and 50 UNSW students were featured as extras.
- The former federal environment minister Professor Robert Hill discussed policy responses to climate change in the inaugural Sir William Tyree Energy Lecture.
- Australia's Chief Scientist Professor Ian Chubb presented the 2014 Jack Beale Lecture on the topic 'No free rides to the future: Shoring up the science to sustain us'.
- Mr Thomas Keneally AO delivered the Annual Gandhi Oration on the topic 'Gandhi – Lovers and Haters', to a crowd of more than 550 guests including the Consul General of India, Mr Arun Kumar Goel.
- The University entered into a media partnership with ABC Radio National to launch a new science and technology initiative, 'Top 5 under 40', designed to give early career researchers a voice.

Social and digital media

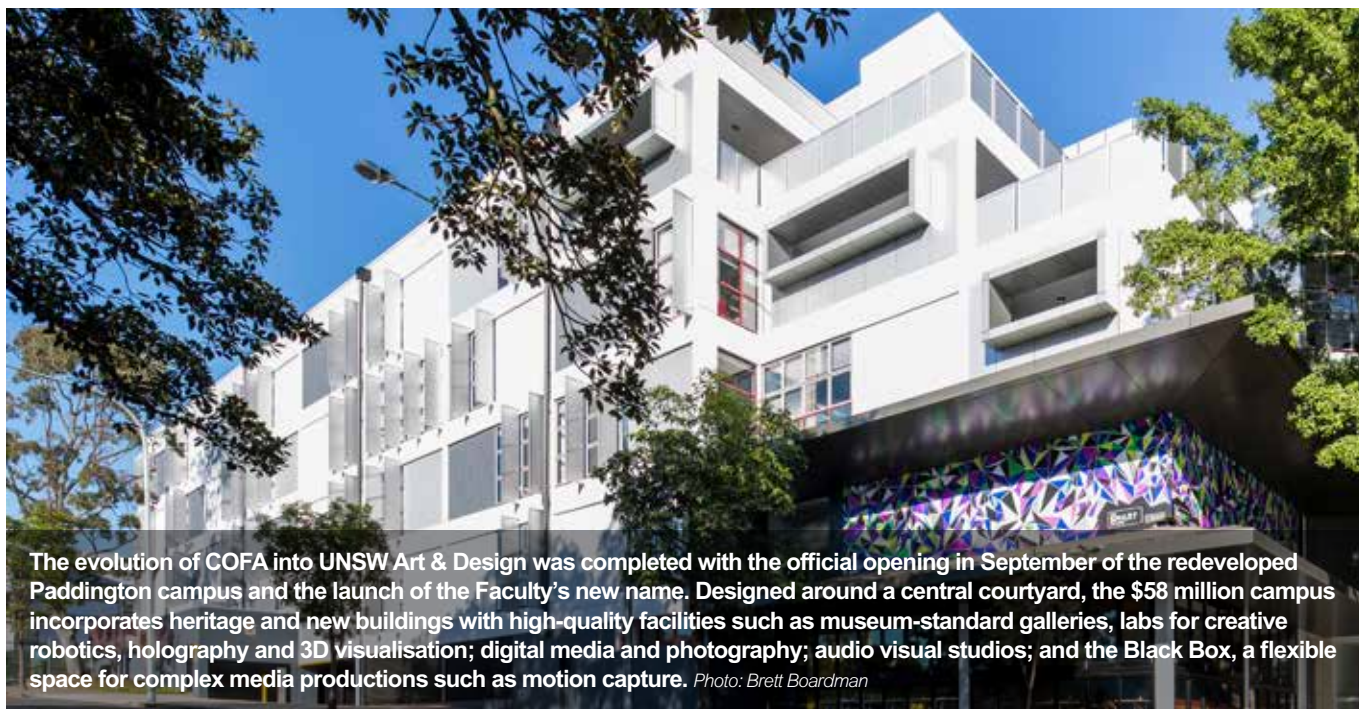
- The UNSW Facebook page remains the most popular among Australian universities, with more than 325,000 followers at the end of 2014.
- Subscriptions to UNSW YouTube channels continued to grow. Our combined channels now have a weekly returning audience of 51,000 viewers.
- A new YouTube open learning series on quantum mechanics presented by UNSW electrical engineer Associate Professor Andrea Morello attracted almost 130,000 views in its first fortnight and is building a dedicated audience.
- UNSWTV produced two strategic online series aimed at profiling our researchers and building our global outreach. *Catastrophic Science* highlighted the research that has emerged from natural and man-made disasters. *How Did We Get Here: Life, Universe and the Lot* was hosted by Associate Professor Darren Curnoe with guest-star academics from most faculties across UNSW.

Honorary awards

- We awarded honorary doctorates and degrees to outstanding community members and academic leaders including former Westpac CEO Gail Kelly, French Nobel laureate Professor Françoise Barré-Sinoussi, Dr Fong Fui Wong, Dr Robin Crawford, Dr Eddy Sariaatmadja, Professor Fred Hilmer and Dr Claire Hilmer.

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.



The evolution of COFA into UNSW Art & Design was completed with the official opening in September of the redeveloped Paddington campus and the launch of the Faculty's new name. Designed around a central courtyard, the \$58 million campus incorporates heritage and new buildings with high-quality facilities such as museum-standard galleries, labs for creative robotics, holography and 3D visualisation; digital media and photography; audio visual studios; and the Black Box, a flexible space for complex media productions such as motion capture. *Photo: Brett Boardman*

2014 highlights include:

Investment in campus infrastructure

- In 2014, Facilities Management had 123 projects in the Major Projects and Stay in Business programs, with a combined expenditure of \$215m.

Campus transformation

- The Kensington Colleges Redevelopment and Expansion: This 950-bed student accommodation project was completed in time for occupation of all accommodation by Semester 1, 2014.
- Wallace Wurth Building Redevelopment and Expansion: Officially opened on 13 November by Federal Health Minister Peter Dutton. The transformed building provides expanded accommodation for the Faculty of Medicine and the Mark Wainwright Analytical Centre, and allowed for the relocation of the Kirby Institute to the Kensington Campus.
- Art & Design campus: The \$58m redevelopment of the former COFA site at Paddington into UNSW Art & Design was officially opened on 30 September.
- Port Macquarie Joint Health Education Facility: This EIF-funded project, involving a partnership between UNSW, University of Newcastle and North Coast TAFE, was 90% complete by the end of 2014.
- Mechanical and Manufacturing Engineering Precinct Development: This project involves the capital renewal and modernisation of two buildings. Construction was 80% complete by the end of 2014.

- Materials Science and Engineering Building: This building is one of the most sophisticated and flexible research buildings yet built at UNSW. Building continued during 2014, with completion of various stages scheduled over the first half of 2015.
- Biological Sciences Building: The enabling works phase, involving building demolition and site services diversions and enhancements, started in the second half of 2014. Building will start in September 2015 and be completed in stages by 2017.

Facilities

- The Stay in Business Capex Program delivered around \$33m in projects including: the ANFF Lab in Old Main Building; FASS Media Labs upgrade in Webster Building; Flipped Classrooms in the Business School; FBE Studios upgrade in the Red Centre; Global Teaching Spaces provision in the Blockhouse; and heritage façade restoration of Blocks A and C at the Paddington Campus.
- Installation of photovoltaic panels on targeted buildings reduced electricity costs by 5%. The Library PV installation is the second largest on campus, after the Tyree Energy Technologies Building.

New IT systems

- Security services introduced to significantly strengthen and protect UNSW's information against cyber attacks at the internet and data centre borders.
- We increased the number of wireless stations on campus to 4,200 and tripled the network speed.

Smoke-free

UNSW became an entirely smoke-free campus

\$215m

Investment in campus infrastructure across 123 projects

Professional

Inaugural intake of the Professional Staff Women in Leadership Program

4,200

Wireless stations on campus and tripling of network speed

Quality

Wallace Wurth redevelopment and Art & Design campus open for business

Security

New IT services to strengthen information and data security

6,000

Responses to retail survey finding improved services

Teaching

Upgrade of teaching labs, studios and new classrooms

Retail

- A campus retail survey undertaken in 2014 received more than 6,000 responses. 80% of respondents believed retail offerings on campus have improved since 2011.
- The Quad Food Court and Q Deli were extensively redeveloped delivering new and improved food and beverage choices as well as increased seating capacity. Planning started for the next phase of improvements to be delivered on the upper campus with a focus on the Mathews Food Court.

Strategic recruitment and people development

- In addition to the search for a new President and Vice-Chancellor, we successfully completed searches for new Deans of Medicine, Engineering and Business. UNSW also continued its targeted strategic appointment program of high-quality academic staff.
- A new category was added to the Staff Excellence Awards program to recognise Excellence in Diversity & Inclusion. A list of award recipients across the eight categories is available on the UNSW HR website.
- Human Resources partnered with the UNSW Business School to roll out a Health and Wellness Program, 'Business Balance', to support staff to more appropriately balance work and non-work needs.

Workplace diversity

- The inaugural intake of the Professional Staff Women in Leadership program (PWIL) commenced in 2014. Similar to the well-established Academic Women in Leadership

program, PWIL aims to identify, grow and retain a pool of high-potential women to take up both formal and informal leadership roles within the University. The inaugural program includes 21 staff at levels 8 and 9 from both faculties and divisional work units and runs until mid-2015.

- More than 100 female academic and professional staff attended a successful Senior Women's Network workshop run in conjunction with NIDA on networking skills.
- In 2014, female applications for promotion to Associate Professor rose by 15% from the previous year and 100% of female applicants were successful.

Health and safety

- UNSW became an entirely smoke-free campus on 31 May 2014 – the announcement coinciding with World No Tobacco Day.
- There were successful rollouts of a new online health and safety management system, SafeSys, and a new system for managing risks associated with handling hazardous materials known as SciQuest.
- There were 73 workers compensation claims in 2014, less than the 10-year average of 104 per year. Our Lost Time Injury Frequency Rate was 3.0.
- 32 new defibrillators were installed across the campus and campus-wide defibrillator training, management and maintenance systems were implemented.

Research & Teaching Awards

Major prizes awarded in 2014 include:

Institution of Engineering and Technology A F Harvey Engineering Research Prize

Prof Stuart Wenham, ARC Photovoltaics Centre of Excellence

Australian Academy of Science

Christopher Heyde Medal

A/Prof David Warton, School of Mathematics & Statistics

Frederick White Prize

Prof Chris Turney, Climate Change Research Centre (CCRC)

Nancy Millis Medal for Women in Science (inaugural)

Prof Emma Johnston, School of Biological, Earth & Environmental Sciences

Fellowships

Prof Rose Amal, School of Chemical Engineering; Prof Matthew England, CCRC

Fellow of the American Academy of Arts and Science

Prof Michelle Simmons, ARC Centre of Excellence for Quantum Computation and Communication Technology (QC2T)

Royal Society of NSW

Edgeworth David Medal

A/Prof David Wilson, Kirby Institute

Walter Burfitt Prize

Prof Michelle Simmons, QC2T

James Cook Medal

Prof Brien Holden, Brien Holden Vision Institute

Engineers Australia Top 100 Most influential Engineers

Prof Rose Amal, School of Chemical Engineering; Prof Graham Davies, Faculty of Engineering; Prof Stuart Wenham, ARC Photovoltaics Centre of Excellence

CINSW Premier's Award for Outstanding Cancer Researcher of the Year

Prof Michelle Haber, Children's Cancer Institute

ARC Australian Laureate Fellowship

Prof Rose Amal, School of Chemical Engineering; Prof Veena Sahajwalla, School of Materials Science & Engineering (Georgina Sweet Laureate Fellow)

Eureka Prize

Outstanding Mentor of Young Researchers – Prof Maree Teesson, National Drug and Alcohol Research Centre (NDARC)

Engineers Australia Engineering Excellence Awards (R&D Category and President's Award)

Prof Veena Sahajwalla (with OneSteel & Brickworks)

100 Women of Influence Awards

Prof Maree Teesson, NDARC

NSW Science & Engineering Award (Emerging Research)

A/Prof Andrea Morello, QC2T

Fellowship of the Academy of Technological Sciences & Engineering

Prof Mark Hoffman, School of Materials Science & Engineering; Prof Deo Prasad, CRC for Low Carbon Living

NSW Young Tall Poppy Science Awards

Dr Angela Nickerson, School of Psychology; Dr Megan Lord, Graduate School of Biomedical Engineering; Dr Muireann Irish, NeuRA; Dr Nicola Newton, NDARC; Dr Thomas Whitford, School of Psychology

Australian Office for Learning and Teaching (OLT) Awards Recipients

Awards for Teaching Excellence

Dr Louise Lutze-Mann, School of Biotechnology and Biomolecular Sciences, in the category of Biological Sciences, Health and Related Studies; Dr Chris Tisdell, School of Mathematics and Statistics, in the category of Physical Sciences and Related Studies

Awards for Programs that Enhance Learning

UNSW Medicine Program, in the category of innovation in curricula, learning and teaching (Prof Philip Jones, Dr Peter Harris, Prof Patrick McNeil and A/Prof Anthony O'Sullivan).

Citations for Outstanding Contribution to Student Learning

Dr Kar Ming Chong, School of Accounting; Prof Sami Kara, School of Mechanical and Manufacturing Engineering; Dr Rachel Thompson, Office of Medical Education; Dr Sue Morris and A/Prof Jacquelyn Cranney (team), School of Psychology.

Vice-Chancellor's Awards for Teaching Excellence

General Category

A/Prof Sammy Chan, School of Materials Science and Engineering; Dr Karen Gibson, School of Medical Sciences; Dr Sigi Jottkandt, School of the Arts and Media; A/Prof Richard Morris, School of Accounting; A/Prof Emma Robertson, Art & Design; Prof David Taubman, School of Electrical Engineering and Telecommunications

Postgraduate Research Supervision

Prof Angela Moles, School of Biological, Earth and Environmental Sciences; A/Prof Jonathan Morris, School of Chemistry

Early Career

Dr Carolin Birk, School of Civil and Environmental Engineering; Ms Amelia Thorpe, School of Law

Contributions to Student Learning

Dr Natalie Buckmaster, School of Accounting; Dr Michael Cahalane and Dr Daniel Schlagwein, School of Information Systems, Technology and Management; Dr Daniel Mansfield, School of Mathematics and Statistics

Programs that Enhance Learning

Construction Engineering and Project Management Team, School of Civil and Environmental Engineering; The Muru Marri Unit, School of Public Health and Community Medicine



UNSW academics won five of the 10 NSW Young Tall Poppy Awards in 2014, the largest number of winners from one university. From left: Dr Megan Lord, Dr Muireann Irish, Dr Nicola Newton, Dr Angela Nickerson and Dr Thomas Whitford with Deputy Vice-Chancellor (Research) Professor Les Field (centre).

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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