



Annual Report 2015
UNSW Australia

Never Stand Still

Our 2025 commitment

By 2025, UNSW will be Australia's Global University and a leading research-intensive and teaching-intensive university, delivering:

- 1. World-leading research of the highest ethical standards and integrity, across the full spectrum of arts, built environment, business, design, law, social sciences, engineering, medicine and science.
- Research impact through the generation of new knowledge applied to solve complex problems, deliver social benefits and drive economic prosperity, locally, nationally and globally.
- 3. Exemplary education for every student through integrating the most innovative developments in digital and face-to-face learning into novel solutions, to improve educational quality and the student experience.
- 4. **In-demand graduates** optimally prepared for the opportunities and challenges of the 21st century global workplace and motivated by a desire to make a positive impact on society.
- 5. **Equality of opportunity** for all our students, staff and the wider UNSW community, combined with a commitment to the active promotion of equality beyond the University.

- 6. **Thought leadership** harnessing UNSW's intellectual capacity to deliver expert contributions to lead and inform debate, policy making and global issues.
- 7. A significant contribution to national and global prosperity through innovative, transformative partnerships with community, industry, government and our alumni, facilitating the translation of research and education into economic and social benefits.
- 8. Excellence in international education leading the world in educating students from overseas, through our innovative and flexible educational platform, offering a truly global experience to all of our students.
- 9. **Partnerships** with other great institutions in Australia and across the globe, which share our ethos and can collaborate with us in achieving our strategic goals.
- 10. Social justice achievements built on UNSW's work with disadvantaged and marginalised communities in Australia, the Asia-Pacific and globally.

UNSW Annual Report 2015 - Volume 1

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The University's 2015 Financial & Statutory reports are in Volume 2.









Cover Image: Rising star Dr Xiaojing Hao is developing next-generation photovoltaic technology to transform the global solar market. Read more about Xiaojing's work and other groundbreaking UNSW research in 20 rising stars who will change our world, part of the Research@UNSW series. Photo: Quentin Jones

Message from the President & Vice-Chancellor

It is my pleasure to present UNSW's Annual Report for 2015, my first year as President and Vice-Chancellor.

2015 has been significant on many fronts. A key step was the development of a strategy that would set our priorities for the next 10 years and position UNSW as Australia's Global University, among the world's top 50. We pursue this aspiration not to celebrate our position in a league table but in the belief that a great university, which is a global leader in discovery, innovation, impact, education and thought leadership, can make an enormous difference to people's lives.

In October we launched the UNSW 2025 Strategy after extensive consultations with staff, students, alumni and external partners. At its core are three priorities: academic excellence in research and education, social engagement and global impact.

Supporting the launch was a Deloitte Access Economics report, which for the first time put a dollar value on universities' contribution to the economy. It found the research output of UNSW alone contributed \$15 billion to the Australian economy in 2014. As a whole, the university sector contributed \$160 billion, or about 10% of GDP. This is more than Australia's mining sector.

As Australia transitions to a knowledge economy, governments and industry will increasingly look to universities to help translate great ideas into social and economic prosperity. To boost our innovation culture, in June we launched an Australia-first innovation hub, The Michael Crouch Innovation Centre, to nurture student innovation across all disciplines and foster strong two-way connections with business.

I was pleased to see UNSW staff secured more than \$36 million in Australian Research Council grants in 2015, the most in the state and the third largest amount nationally. We also won close to \$60 million from the National Health and Medical Research Council, including major grants for work on Alzheimer's disease.

7.7

As part of the 2025 Strategy, we are working on an ambitious program of expansion.

A notable announcement was the federal government's pledge of \$26 million over five years to the ARC Centre for Quantum Computation and Communication Technology, headquartered at UNSW. The Centre, directed by Scientia Professor Michelle Simmons, leads the world in the race to build the first quantum computer in silicon. Within days of the announcement, the Commonwealth Bank and Telstra followed suit, each pledging \$10 million.

Honours flowed for individual researchers too, including chemical engineer Cyrille Boyer, awarded a prestigious Prime Minister's Science Prize; Scientia Professor Simmons, who was named a fellow of the American Association for the Advancement of Science; and human rights lawyer Megan Davis, who was elected Chair of the United Nations permanent forum on Indigenous issues.



We continue to attract students of impressive calibre. The median ATAR of our first-year school leavers was the highest in the State and we were once again the destination of choice for the highest percentage of the top 500 students' first preferences.

Computing students won the RoboCup soccer world championships for the second year running; the Sunswift solar racing car, the world's fastest electric car, ended the World Solar Challenge race in fourth place after traversing more than 3000 km powered entirely by the sun; and James Haw from UNSW Canberra and Harj Narulla from UNSW Law were named 2016 Rhodes scholars – Harj becoming the fourth UNSW Law student in three years to win the coveted Oxford University scholarship.

UNSW's leadership in Indigenous education is a point of personal and institutional pride and it was gratifying to see eight Indigenous doctors graduate from UNSW Medicine – the most in a single year. A record number of Indigenous PhD students also completed their studies.

The University continued its sound financial management and ended the year with a group operating result of \$11 million after adjustment for one-off system valuation write-downs. As part of the 2025 Strategy, we are working on an ambitious program of growth and expansion. Implementing the strategy will require strategic investment of \$3 billion matched by a funding program, part of which will involve the University incurring a planned deficit for two successive years as funding initiatives are launched.

These are just some highlights from a remarkable year. Our 2025 Strategy contains ambitious goals and we are in a strong position to make them a reality. I commend this report to you and look forward to sharing our progress in future reports.

Professor lan Jacobs

Message from the Chancellor

At the beginning of 2015 we welcomed Professor Ian Jacobs to UNSW as our new President and Vice-Chancellor. Under his leadership UNSW has continued to excel on all fronts and he is shaping an exciting new vision for the University's future.

One of Professor Jacobs' first priorities was to develop a comprehensive strategy that would sustain our progress over the next decade, and beyond. We have been steadily climbing global rankings, and our goal is to be counted among the very best universities in the world. It's an ambitious objective but one worthy of where we stand at the present time. The University Council and I are totally committed to supporting the strategy and seeing its vision come to fruition.

At UNSW we have a history of innovation and an exceptional track record of delivering research outcomes with practical benefits, and innovative teaching that enriches the lives of students. As part of the 2025 Strategy, we will continue to make strides in these areas. We will also continue to focus on social justice, the grand challenges facing our society, such as climate change and mental health, and we will ensure our global impact by forging strategic partnerships with the very best international institutions.

One way we are working toward these goals is by continuing the renewal of our campus. In July, we opened the new Mechanical and Manufacturing Engineering precinct. This \$67-million redevelopment, including the new Ainsworth Building, named after philanthropist and businessman Len Ainsworth, is now home to more than 1600 of Australia's future engineers. It features state-of-the-art equipment, laser and mechatronics labs, as well as wind tunnels and a flight simulator.

We have also opened a new Materials Science and Engineering building, which is home to the Michael Crouch Innovation Centre. This hub for student ingenuity will help our students and future leaders think like innovators. I'm delighted that the centre's catchphrase – find a better way – is inspired by Michael's approach to innovation and philanthropy.

"

The 2025 Strategy is an obvious next step for a university that has achieved so much in only 67 years.

The University continues to be indebted to its generous benefactors and industry partners. In 2015, UNSW's Faculty of Built Environment announced a \$10 million endowment from philanthropist Judith Neilson to create a research Chair to help develop affordable housing for the tens of millions of people around the world being displaced from their homes. Telstra and the Commonwealth Bank each pledged \$10 million to support our critical research into quantum computing, and we also welcomed a \$5 million gift from the Financial Markets Foundation for Children, which will help establish a UNSW Chair in Paediatric Population Health. A first for NSW, the Chair will take on a new leadership role and help create fairer health outcomes for all Australian children.



The 2025 Strategy is an obvious next step for a university that has achieved so much in only 67 years. The senior management team has developed clear goals and these will enable continued campus growth and renewal, the recruitment and retention of outstanding academics and professional staff, a significant increase in philanthropic donations, more competitive research grants, and a bolstered international reputation.

I am excited to be part of this next transformation for UNSW and I thank the University's Council, management, staff, alumni and other friends for their enormous efforts and support without which none of this could occur.

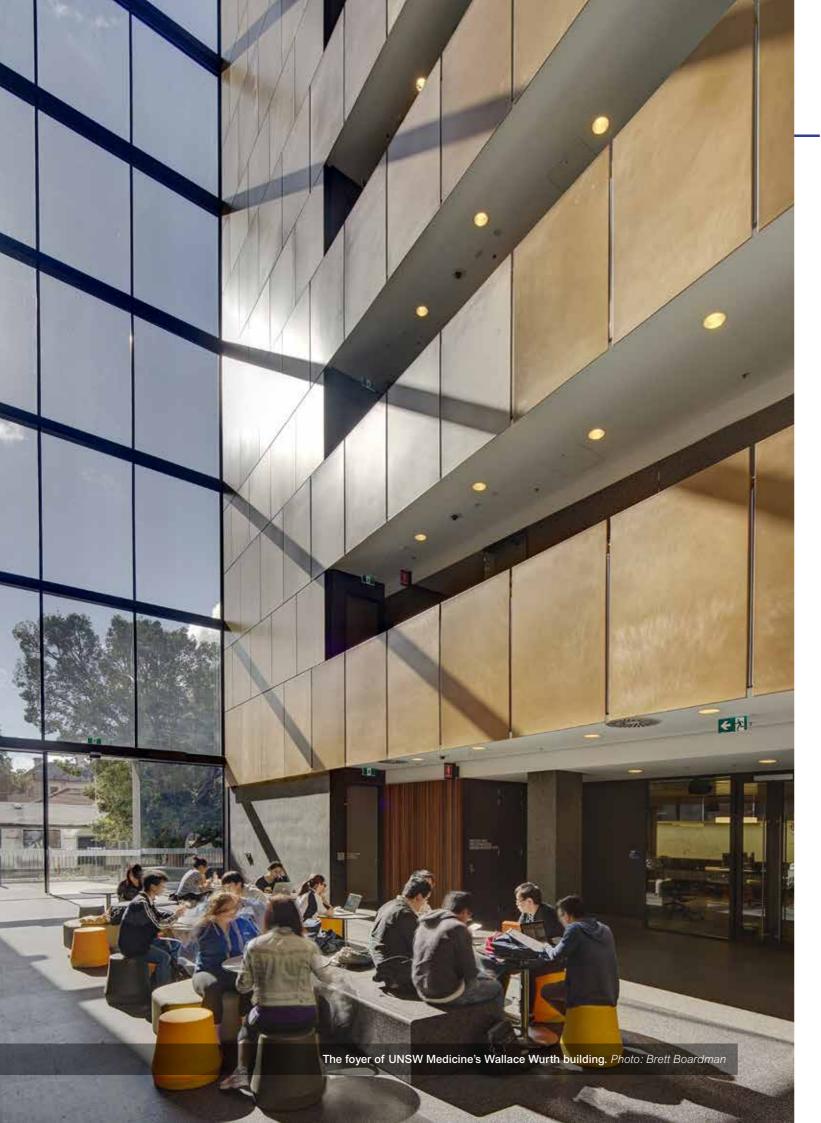
Mr David Gonski AC

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 2015.

Professor Ian Jacobs
President and Vice-Chancellor

Mr David Gonski AC Chancellor



At a Glance







About UNSW Australia

Established in 1949 with a unique focus on the scientific, technological and professional disciplines, UNSW is a leading Australian university committed to making a difference through pioneering research and preparing the next generation of talented global citizens for career success.

UNSW has a proud tradition of sustained innovation, focusing on areas critical to our future – from climate change and renewable energies to lifesaving medical treatments and breakthrough technologies. In the social sciences, UNSW research informs policy and expert commentary in key issues facing society ranging from human rights and constitutional recognition of Indigenous Australians to public health and population ageing.

UNSW offers an extensive range of undergraduate, postgraduate and research programs. We attract talented students from across Australia and around the world. Our almost 55,000 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 2015 we had the highest median ATAR in NSW and attracted the largest percentage of the State's top 500 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.

Making a difference as Australia's Global University

Our aspiration for the next decade is to establish UNSW as Australia's Global University, improving and transforming lives through excellence in research and education and a commitment to advancing a just society. We aspire to this in the belief that a great university, which is a global leader in discovery, innovation, impact, education and thought leadership, can make an enormous difference to the lives of people in Australia and around the world.

Ranked in the world's top 100 universities, UNSW is a founding member of the Group of Eight and the prestigious Universitas 21 international network. It is the only Australian member of the Global Alliance of Technological Universities and is also a member of the Association of Pacific Rim Universities and a partner in the emerging PLuS Alliance with King's College London and Arizona State University.

Values

In pursuing our vision and objectives, members of the UNSW community will demonstrate the following values:

- Partnership working in teams to best serve our communities.
- Integrity, transparency and ethical decision making, inspiring openness, courage and trust
- Respect listening and engaging with each other and our communities.

2015 Snapshot

(as at 31 December 2015)

STUDENTS

54,043

STUDENTS

40,174

STUDENT LOAD (EFTSL)

39,651

LOCAL STUDENTS

14,392

INTERNATIONAL STUDENTS

19,777

COMMENCING STUDENTS

279,226

ALUMNI

STAFF

6,228

TOTAL STAFF 5,695 full-time equivalent

FEMALE 1,110 MALE 1,754

ACADEMIC STAFF

FEMALE 2,152 1,212 **MALE**

PROFESSIONAL STAFF

2015 Financial Summary

		CONSOLIDATED
	2015	2014
		(restated)
	\$'000	\$'000
Total revenue and income	1,761,317	1,747,147
Employee costs	(964,009)	(942,056)
Other expenses	(719,804)	(675,041)
Accounting result	77,504	130,050
Restricted for specific purposes:		
Philanthropic funds	(17,668)	(16,670)
Capital grants	(6,720)	(20,776)
Specific purpose grants	(24,382)	(11,576)
Non-core operating:		
Investment funds	(30,509)	(52,017)
Extraordinary items ¹	-	(18,309)
Operating surplus/(loss) ²	(1,775)	10,702

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

8 FACULTIES

1 COLLEGE

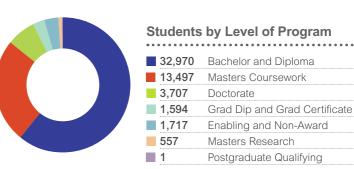
47 SCHOOLS

125 UNSW AND EXTERNAL CENTRES AND INSTITUTES

18 ON-CAMPUS COLLEGES AND AFFILIATED STUDENT **ACCOMMODATION**

4,202 ACADEMIC VISITORS

(420 full-time equivalent)



Top 10 Countries of Origin for International Students#

7,386	China (excluding Hong Kong)				
796	United States of America				
762	Hong Kong				
725	Malaysia				
649	Indonesia				
507	Singapore				
376	India				
280	Vietnam				
279	Brazil				
254	Republic of Korea				

Full-Degree and Non-Award



The operating loss in 2015 includes a one-off accounting adjustment of \$13m relating to systems valuation. Without this adjustment, the Operating result would be an \$11m surplus

The University is ranked

46th

in the 2015 QS World **University Rankings.**

Best MBA



The MBA program offered by AGSM@UNSW is recognised as one of the finest in the world by the Financial Times (UK) 2015 ranking of the top 100 global MBA programs.



WORLD UNIVERSITY 18 Subjects in World's Top 50

- 12 Accounting and finance
- 14 Civil and structural engineering
- 15 Psychology
- 19 Business and management studies
- 25 Art and design
- 26 Materials sciences
- 28 Chemical engineering
- 35 Computer science

- 37 Mechanical, aeronautical & manufacturing engineering
- 38 Electrical and electronic engineering
- 40 Environmental sciences
- 41 Education
- 43 Medicine
- 45 Economics & econometrics
- 46 English language and literature
- 49 Communication and media studies

Research **Excellence**



UNSW researchers won the highest amount of Australian Research Council funding in the state, and ranked third 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.













ART & DESIGN ARTS & SOCIAL SCIENCES BUILT ENVIRONMENT BUSINESS 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.

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Founding partner ATP Innovations: World's no.1 **Technology incubator** (2014 International **Business Innovation Association Incubator** of the Year)

(Spear's WealthInsight 2014)

Biggest student start-up program in Australia

(562 programs supported since 2014)

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Top performing easy

access IP organisation

worldwide (UK 2015 report)

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

(Leading Company 2012)

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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)

The country's top 30 employers hire more graduates from **UNSW** than any other Australian university.

(LinkedIn survey, 2015)

2015 in Review

January

Healthy brains

Researchers help discover five genetic variants that influence normal brain development. The findings, published in *Nature*, could improve the understanding of neuropsychiatric illnesses.

Women in STEM

Scientia Professor and ARC Laureate Fellow Veena Sahajwalla launches UNSW's Science 50:50 program, which aims to encourage more women into science and engineering-related careers.

Architecture gift

UNSW Built Environment receives a \$10 million gift from philanthropist Judith Neilson to help transform the lives of some of the world's most vulnerable people.

Gandhi Oration

Peace activist Ela Gandhi delivers the annual Gandhi Oration at UNSW, which commemorates the life and teachings of her grandfather Mahatma Gandhi.

Spotlight on research stars

UNSW and ABC Radio National team up to present the Top 5 under 40 – an exciting initiative that will give a voice to the next generation of Australia's leading researchers.

February

New President and VC

President and Vice-Chancellor Professor Ian Jacobs begins his term and outlines his aspirations for the University.

Q-fly genome mapped

Scientists achieve a world first by sequencing the complete genome of Australia's worst agricultural pest, the Queensland fruit fly.

Fulbrights take flight

In a record-setting year for UNSW, five staff members and graduates receive prestigious Fulbright scholarships to study in the US.

Forgotten Australians

A UNSW-led study investigating the impact of 500,000 'Forgotten Australians' who grew up in care is launched by Justice Peter McClellan, chair of the Royal Commission into Institutional Responses to Child Sexual Abuse.

Drinking water quality

Environmental engineer Stuart Khan is appointed to a top World Health Organisation advisory group to help draft global drinking water guidelines.

March

Decoding Aboriginal legends

UNSW's Indigenous Astronomy Group finds evidence linking Aboriginal legends of meteorite strikes to 4,700-year-old impact craters. Their findings suggest Indigenous stories hold clues to Australia's ancient natural history.

Woman of the year

UNSW pancreatic cancer researcher Professor Minoti Apte is named the 2015 NSW Woman of the Year for her contributions to medical research, tertiary education and the Indian community.

Risky Business

Malcolm Turnbull joins Vice-Chancellor Professor Ian Jacobs for a public event at UNSW about how to best manage risk: in life, politics, business, climate change and research.

Top three in Australia

The Nature Publishing Index, which ranks institutions based on high-impact scientific research publications, places UNSW in the top three in Australia.

April

Quantum breakthrough

A UNSW team led by Associate Professor Andrea Morello successfully encodes quantum information into silicon for the first time. Their findings, reported in *Science Advances*, bring scalable quantum computers closer to reality.

Road safety

Australia's largest study into everyday driving behaviour is launched, led by UNSW's Transport and Road Safety Research group.

UN appointment

Human rights lawyer Professor Megan Davis is elected Chair of the United Nations' permanent forum on Indigenous issues.

Business subjects lead

UNSW claims the top spot nationally for Accounting and Finance in the 2015 QS World University Rankings. UNSW records 18 subjects in the world's top 50.

Energy for all

Graduates Ben Merven and Monique Alfris co-found Pollinate Energy, an innovative social enterprise delivering affordable solar-powered lighting to millions of India's poorest people.

May Contact lens innovation

The world's first Extended Depth of Focus contact lens, invented at the Brien Holden Vision Institute at UNSW, is granted approval by the US Food and Drug Administration.

Traffic solution nets prize

A team of students wins first prize in the inaugural Universitas 21 Global Ingenuity Challenge for their innovative solution to reduce urban traffic congestion.

AustLII turns 20

Australia's largest and most popular free online legal resource celebrates its 20th anniversary. Co-founded by law professor Graham Greenleaf, AustLII now boasts 670 databases and receives 600,000 hits daily.

Sydney Film Festival

UNSW Arts & Social Sciences becomes a major partner of the Sydney Film Festival.

Top employers seek UNSW grads Graduates from UNSW are the most sought after by Australia's top 30 employers, according to a report by the professional networking site

June

Design awards

Design student Max Glanville is named the Hills Young Australian Designer of the Year for an early warning system to protect residential properties from bushfires.

Hawking launches BQI

Renowned physicist Stephen Hawking launches UNSW's Big Questions Institute (BQI), a new research centre dedicated to solving some of the Universe's most fundamental mysteries.

Indigenous PhDs

Four Indigenous students graduate with PhDs – a single-year record for the University.

World Bank appointment

Professor Peter Saunders from the Social Policy Research Centre is one of 24 leading international economists appointed to the World Bank Commission on global poverty.

Adam Goodes honoured

The former Australian of the Year and AFL star is awarded an honorary Doctor of Letters – UNSW's highest honour – for his dedication to reconciliation and community service.

July

Engineering powerhouse

UNSW again dominates the annual list of Australia's Top 100 Most Influential Engineers, compiled by *Engineers Australia* magazine.

Linkage grant success

UNSW researchers top the country, receiving more than \$32 million in government and industry funding from the Australian Research Council's Linkage Projects scheme.

Turnbull opens engineering precinct

Malcolm Turnbull joins businessman and philanthropist Len Ainsworth to open the new \$67 million Mechanical and Manufacturing Engineering precinct at UNSW.

Robot champs

Engineering students win their second consecutive Robocup world soccer championship in China, beating an elite German squad 3-1 in the final

Solar promise

Opposition leader Bill Shorten visits UNSW to meet with the "best solar researchers in the world" and reiterates Labor's pledge to generate 50% of Australia's electricity from renewable sources within 15 years.

August

Dementia support

Dementia research at UNSW gets a major funding boost as researchers receive close to \$13 million for two projects from the National Health and Medical Research Council.

Rankings climb

UNSW improves five spots (now 125) in the 2015 Academic Ranking of World Universities, and is once again the top Australian university in Engineering/Technology and Computer Sciences.

Future leaders

Engineering co-op student Laura Sacks represents Australia as a delegate at the Y20 Youth Summit in Istanbul, Turkey.

Judith Neilson Chair appointed

Professor David Sanderson, an expert in urban disaster resiliency and humanitarian aid, is appointed the inaugural Judith Neilson Chair in Architecture at UNSW.

New Colombo Plan

Minister for Foreign Affairs Julie Bishop announces funding of \$1.5 million in mobility grants to UNSW students over three years as part of the New Colombo Plan.

September

Eureka moment
UNSW scientists working on quantum
computing, threatened ecosystems
and marine science win prestigious
Australian Museum Eureka Science
Prizes

Top 50 in the world

UNSW continues rising in the top 50 of the QS World University Rankings, moving up two spots to 46, thanks to stellar employer and academic reputation, and big jumps in subject rankings.

Innovation hub unveiled

UNSW opens the Michael Crouch Innovation Centre to nurture student innovation across all disciplines and foster strong two-way connections with business.

Teachers honoured

Four staff members are recognised at the 2015 Australian Awards for University Teaching, for their innovative approach to teaching and commitment to improving learning outcomes.

Social Policy Conference

UNSW hosts the Australian Social Policy Conference, bringing together 300 of the world's top researchers and policy makers.

October

Women of influence
Scientia Professors Jane McAdam
and Veena Sahajwalla win their
respective categories in the
prestigious 2015 Women of Influence
awards, sponsored by the Australian
Financial Review and Westpac.

PM's Science Prize winner

For his innovative work using light to create functional polymers, Cyrille Boyer wins the 2015 Malcolm McIntosh Prize for Physical Scientist of the Year. The honour, which carries a \$50,000 reward, is one of the Prime Minister's Science Prizes.

Tall Poppies

Oxford University.

UNSW physicist Dane McCamey is named the NSW Young Tall Poppy of the Year. He is one of four UNSW researchers recognised at the annual Young Tall Poppy Awards.

Fourth Rhodes scholar in three years Harj Narulla is the fourth UNSW Law student in three years to win a coveted Rhodes Scholarship to

Helping vulnerable children
The Financial Markets Foundation for
Children, which includes all the major
banks, makes a \$5 million gift to help
establish a UNSW Chair in Paediatric
Population Health, a first for NSW.

November Climate for change

Ahead of the UN Climate Change Conference in Paris, UNSW partners with Fairfax Media to host a special public forum 'Climate for Change'. Climate change is the first of the global 'Grand Challenges' identified in UNSW's 2025 Strategy.

Historic partnership

UNSW and the University of Sydney announce an historic medical research partnership to help tackle two enormous challenges – mental illness and addiction.

CSIRO honour

UNSW Pro-Vice-Chancellor (Research) Brian Boyle receives the CSIRO's highest honour – the Chairman's Medal – for his pioneering work on a next-generation radio telescope, the Australian Square Kilometre Array Pathfinder.

Honorary degree

UNSW awards former Sex Discrimination Commissioner and alumna Elizabeth Broderick an honorary degree for her "eminent service to both the Australian and international community".

December

Quantum secures major investments The UNSW-based ARC Centre for Quantum Computation and Communication Technology will receive \$26 million from the federal government over the next five years, and an additional \$20 million from the Commonwealth Bank and Telstra.

Australia-at-Large Rhodes Scholar

UNSW Canberra graduate Lieutenant James Haw is named the 2016 Australia-at-Large Rhodes Scholar. Haw will study social anthropology at Oxford University, focusing on the impacts of military operations on tribal societies.

Innovation statement

UNSW releases its Innovation Statement to coincide with the federal government's National Innovation and Science Agenda.

Outstanding research

UNSW scores world-class results in the ARC's 2015 Excellence in Research for Australia analysis, which benchmarks the country's research against international standards.

Ovarian cancer screening

One of the largest randomised trials ever conducted, led by Vice-Chancellor Professor Ian Jacobs, concludes that ovarian cancer screening may reduce mortality by an estimated 20%.



UNSW Law wins fourth Rhodes Scholarship in three years

Harj Narulla, 25, has become the fourth UNSW Law graduate in three years to win a prestigious Rhodes Scholarship to attend Oxford University. He joined UNSW Canberra graduate Lieutenant James Haw as a UNSW Rhodes Scholar for 2016.

Lieutenant Haw, who will study anthropology at Oxford, was the Australia-at-Large scholarship winner. Narulla (pictured above) plans to study comparative constitutional law, and hopes to identify models that might prove useful for bringing about constitutional recognition of Aboriginal and Torres Strait Islander peoples in Australia. He says he became interested in legal issues affecting Indigenous people when he came to UNSW: "Coming from Tasmania, living on campus was the first time I'd really had the chance to meet Indigenous students from around the country," says Narulla. "From that, I got involved in tutoring and mentoring programs and worked with the Aurora Project and the Indigenous Law Centre." When he returns from the United Kingdom, he hopes to work for the Aboriginal Legal Service.

Narulla follows in the footsteps of UNSW Arts/Law graduate Sean Lau (2015 NSW Rhodes Scholar), Emily Burke (one of three Australia-at-Large scholarship winners for 2015) and UNSW Arts/Law graduate Kunal Sharma (2014 NSW Rhodes scholarship). Coincidentally, all four scholars began their studies at UNSW Law in 2008. "The format and teaching at UNSW Law is exceptional," Narulla says. "There's a focus on being as well-rounded as possible. In that environment, it's easy to get caught in the slip-stream of engagement and achievement."

Student start-up goes all the way to the International Space Station

Australia's space industry is making a giant leap into the 21st century thanks to starry-eyed high schoolers and an innovative start-up called QubeRider, co-founded by UNSW student and space entrepreneur Solange Cunin (pictured above). QubeRider, which currently operates out of a Telstra-backed accelerator program in Sydney, will send the first Australian-owned payload to the International Space Station in July 2016. The small payload, about the size of a large coffee mug, will launch aboard the SpaceX Falcon 9 Rocket from Cape Canaveral, Florida. It will include dozens of "data-driven" software experiments developed by close to 1000 students, from up to 40 high schools across NSW. "It's a monumental achievement for Australia and it's being made by a bunch of 14-year-olds," says Cunin, a fifth-year aerospace engineering and maths student at UNSW.

In 2015, she co-founded QubeRider with UTS student Sebastian Chaoui. Initially conceptualised as a "ride-sharing" service to space, QubeRider wanted to help lower the cost of launching small-scale science experiments into orbit. After being accepted into Telstra's Muru-D accelerator program, however, its focus shifted to developing STEM education programs. The QubeRider Space Program includes hardware kits with sensors, lesson plans and the opportunity to send your experiment to the ISS.

"We want to give students a unique experience and help them engage more meaningfully with STEM subjects," says Cunin. "Giving a student a space mission is probably the best way to do that. I would love to see every school giving their year nine students a space mission every year. That would be amazing. That's our big dream."

Photo: Grant Turner/Mediakoo Photo: Grant Turner/Mediakoo

Governance

Strong and effective governance and management have set clear strategic goals for the University, underpinning our success and positioning us into the future.

UNSW Council

Strong and effective governance and management have set clear strategic goals for the University, underpinning our success and positioning us into the future.

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 2015)

Ex-Officio

Chancellor

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

President and Vice-Chancellor

Professor Ian Jacobs
BA, MA Cam MBBS UCL MD London FRCOG

President, Academic Board

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

Ministerial appointment

Mr Brian Long FCA

Pro-Chancellor

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 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 person was a Council member from the beginning of the year and completed his term of office as Vice-Chancellor on 31 January 2015:

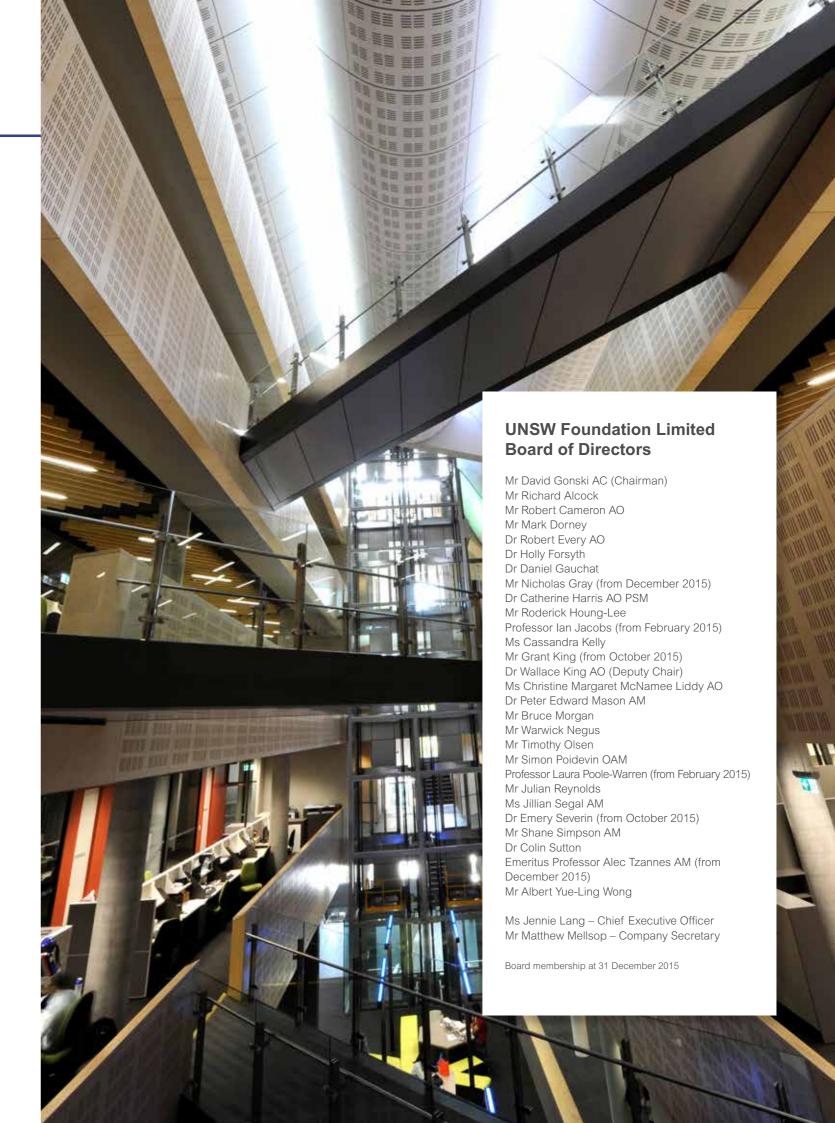
Professor Frederick G. Hilmer AO LLB Syd, LLM Pennsylvania, MBA Wharton

Academic Board

The Academic Board is the principal academic body of the University. Comprising up to 60 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.



Leadership

University Senior Team

(as at 31 December 2015)

President and Vice-Chancellor Professor Ian Jacobs BA MA Cam MBBS UCL MD London FRCOG

Deputy Vice-Chancellor (Academic) and Vice-President

Professor Iain Martin
MBChB(Hons) MEd(Dist) MD Leeds

Deputy Vice-Chancellor (Research) and Vice-President

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

Chief of Staff and Vice-President

Mr Peter Noble MBA *Leeds*

Chief Financial Officer and Vice-President

Mr Andrew Walters
BCom UKZN BAccSci (Hons) South Africa
CA

Vice-President, Advancement and Chief Executive Officer, UNSW Foundation

Ms Jennie Lang BA BEd (Dist.) MEd N'cle NSW

Vice-President, Campus Life and Community Engagement

Mr Neil Morris BA *N'cle NSW*, TGM *INSEAD*

Vice-President, Human Resources

Mr David Ward BA (Hons) MCom *UNSW*

Senior Officers

Pro-Vice-Chancellor (Research)

Professor Brian Boyle
BSc Hons Edinburgh DPhil Durham

Pro-Vice-Chancellor (Research Training)

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

Pro-Vice-Chancellor (Research Infrastructure)

Associate Professor Grainne Moran BSc PhD *NUI Galway*

Pro-Vice-Chancellor (Students)

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Professor Wai Fong Chua AM BA (Hons) PhD *Sheffield*, FCPA FCA GAICD

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

University Executive Team

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

Deans

Art & Design

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

Arts & Social Sciences

Professor Eileen Baldry (Interim Dean) BA DipEd Syd, MWP PhD UNSW

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 Mark Hoffman BMechEng (Hons) PhD Syd, MBT UNSW

Law

Professor David Dixon
BA Camb. BPhil Hull. PhD Wales

Medicine

Professor Rodney Phillips FMedSci MA Oxon MD Melb FRCP FRACP

Science

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

UNSW Canberra

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

Senior Management Appointments

In December 2015, the Vice-Chancellor announced new senior leadership arrangements effective from 2016, including the following new appointments:

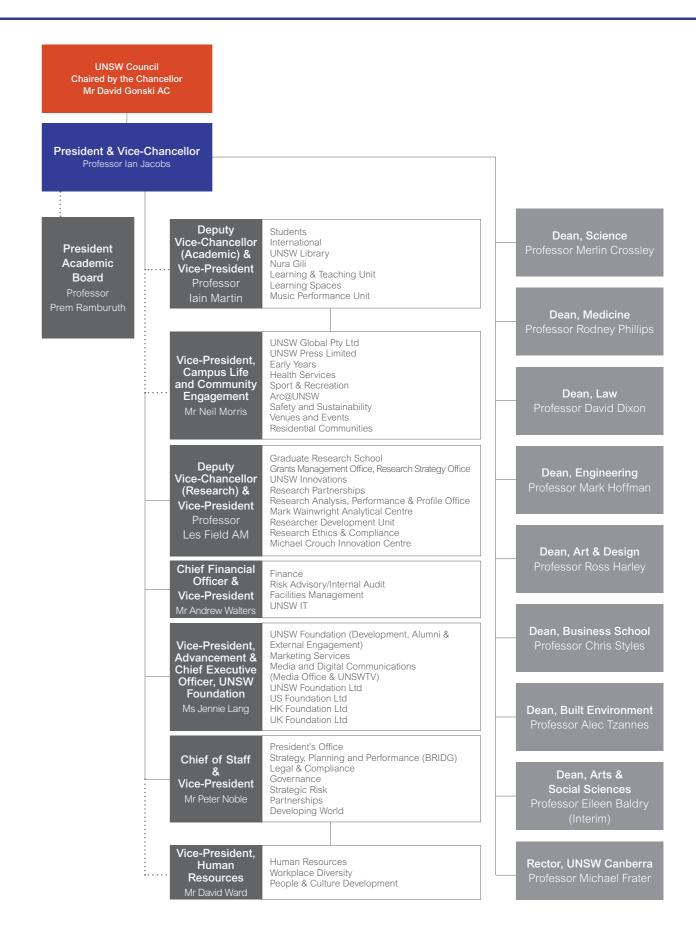
- Professor Les Field, Deputy
 Vice-Chancellor (Research) and
 Vice-President was announced as
 Senior Deputy Vice-Chancellor effective
 29 February 2016.
- Professor Merlin Crossley, Dean of the Faculty of Science, was appointed Deputy Vice-Chancellor (Education) and Vice-President.
- Professor Brian Boyle, who joined UNSW as Director, Research Strategy from CSIRO and assumed the role of Pro-Vice-Chancellor Research in September 2015, was appointed acting Deputy Vice-Chancellor (Research) and Vice-President.

Other senior management appointments announced included:

- Professor Geoffrey Crisp joins UNSW in the role of Pro-Vice-Chancellor (Education) from RMIT where he was Dean, Learning and Teaching.
- Professor Helen Lochhead, Deputy NSW Government Architect and an Adjunct Professor at the University of Sydney, was appointed Dean of the Faculty of the Built Environment, to commence in February 2016.
- Professor Susan Dodds as Dean of the Faculty of Arts & Social Sciences and Professor of Philosophy. Professor Dodds has been Dean of the Faculty of Arts at the University of Tasmania since 2009 and will assume the role at UNSW on 4 April 2016.
- Mr Jon Paparsenos was appointed to the new role of Vice-President, Philanthropy, commencing in February 2016. Mr Paparsenos comes to UNSW from the California Institute of Technology (Caltech) where he was Executive Director of Development, Academic Divisions and Regions.

Organisational Chart

(as at 31 December 2015)





Academic Excellence

We will create a research environment and career opportunities that compete with any university worldwide. We will also shape the future of higher education through a unique and flexible blend of face-to-face and digital education.



2015 highlights include:

Research excellence

- UNSW continued to climb international rankings: it moved up two places to 46th in the 2015 QS World University Rankings, and in the Times Higher Education rankings it jumped 29 places to 82nd. UNSW also moved up five spots to 125 in the Academic Ranking of World Universities, published by Shanghai Jiao Tong University.
- The continued success of the ARC Centre for Quantum Computation and Communication Technology was recognised in December with funding pledges totalling \$46 million. The federal government committed \$26 million, while corporate partners Commonwealth Bank and Telstra have each pledged \$10 million.

Funding

- UNSW ranked fourth in the Go8 in NHMRC funding in 2015, securing \$72m for projects across all schemes beginning in 2016.
- In ARC funding, UNSW topped the state and placed third in the Go8, receiving more than \$51.3m for 131 projects across all schemes. The Go8 and UNSW have continued to perform well despite a 20% decrease in the total ARC funding allocated for 2016, resulting in fewer grants across the board.
- UNSW received \$10.3 million in ARC Linkage Project grants for 32 projects, the most grants of any Australian university. With money from industry partners, UNSW's total funding rises to \$32.4 million, the highest in the country.

- Our total HERDC research income for 2014 decreased by \$2m (less than 1%) over the previous year – from \$347m to \$345m.
- Our total Category 1 research income (Australian Competitive Research Grants) increased by 3% from \$154m to \$159m, the fourth largest increase across the Go8. Our Category 2 research income (other public sector research income) was \$90m in 2014, down from \$110m the previous year.

Innovation

 In December, UNSW released its Innovation Statement to coincide with the federal government's National Innovation and Science Agenda. Some of the outcomes the University hopes to achieve include: expanding industry incubators on campus and enabling 100 more student start-ups per year, developing a new Innovation Park adjacent to UNSW Kensington campus by 2020, opening an internationally accredited Clinical Health Research Facility, developing 1000 new industry internships and fellowships, and expanding the Easy Access IP model.

Higher degree research

 Higher degree research completions remained significantly higher than the Go8 average. High-quality domestic scholarship applications increased by 18% in 2015, and international applications increased by 8%. \$51.3m

ARC funding for 131 new projects – the highest in NSW 46

2015 QS World University Rankings

Recognition

Researchers and teachers receive national and international awards

Innovation

UNSW opens Michael Crouch Innovation Centre for students

4,263

Higher degree research candidates

Excellence

\$72m in NHMRC funding for projects to begin in 2016

Collaboration

Commonwealth Bank and Telstra each commit \$10 million to UNSW's quantum computing research

Industry

\$10.3m for 32 ARC Linkage Project grants, the highest number nationally

UNSW Scientia Educational Experience

 This new initiative will empower students to realise their potential through a personalised and flexible educational experience. The Scientia Educational Experience will seamlessly blend the highest quality face-to-face teaching with digital education technologies to inspire curiosity and innovation across a collegiate learning community of peers, academics, employers and alumni.

Award-winning teaching

- UNSW educators won a range of prestigious teaching awards in 2015. For developing a MOOC that helps educators learn to teach online, Simon McIntyre from UNSW Art & Design was awarded a national Teaching Excellence Award at the prestigious Australian Awards for University Teaching.
- Dean Utian, from Built Environment, was one of four UNSW staff to receive citations for excellence in the 2015 Australian Awards for University Teaching. Utian was recognised for his use of innovative video and games to empower his students to develop digital communication, design and creative expression. Other UNSW recipients were Dr Martin Bliemel and Dr Natalie Buckmaster from the UNSW Business School, and Professor Alex Steel from UNSW Law.

Integrating technology into teaching

 Opportunities identified in the UNSW Digital Campus Master Plan are being assessed to understand which initiatives will deliver the greatest value to the University, its teachers and its students.

Australia-first innovation hub

 The Michael Crouch Innovation Centre was officially opened in September. Unprecedented at an Australian university, the centre is a creative space where the next generation of student innovators from all disciplines can experiment, connect and showcase their ideas to corporate and industry partners.

Global alliances and focused partnerships

- In 2015, UNSW began discussions on becoming a founding member of the PLuS Alliance with Arizona State University and King's College London. Combining the cutting-edge research capabilities and innovative education approach of three universities in different parts of the world, the PLuS Alliance will undertake crossborder research collaborations to address significant issues related to health, social justice, sustainability and innovation.
- UNSW and China's prestigious Shanghai Jiao Tong
 University established a Joint Innovation Hub in Advanced
 Materials for the Space Age. The partnership builds on
 the successful \$1 million Collaborative Investment Fund
 established by the two universities in 2013.

Research & Teaching Awards

Major prizes awarded in 2015 include:

Prime Minister's Science Prizes

Malcolm McIntosh Prize for Physical Scientist of the Year

A/Prof Cyrille Boyer, deputy director of the Australian Centre for NanoMedicine

Theiss International River Prize

Lake Eyre Basin Partnership (including Professor Richard Kingsford, Centre for Ecosystem Science)

Australian Academy of Science Awards

Christopher Heyde Medal

A/Prof Catherine Greenhill, School of Mathematics and Statistics

Jaeger Medal

Prof Trevor McDougall FAA FRS, School of Mathematics and Statistics

Thomas Ranken Lyle Medal

Scientia Prof Michelle Simmons FAA, School of Physics

lan Wark Medal

Scientia Prof Martin Green AM, Australian Centre for Advanced Photovoltaics

Le Févre Memorial Prize

A/Prof Cyrille Boyer, School of Chemical Engineering

Dorothy Hill Award

Dr Andrea Taschetto, Climate Change Research Centre

Royal Society of NSW

James Cook Medal

Scientia Prof Martin Green, Australian Centre for Advanced Photovoltaics

Premier's Prizes for Science & Engineering

Leadership in Innovation

Prof Christoph Arns, School of Petroleum Engineering

Excellence in Engineering & ICT

Scientia Prof Mark Bradford FTSE, School of Civil and Environmental Engineering

Excellence in Mathematics, Earth Sciences, Chemistry and Physics

Scientia Prof Victor Flambaum FAA, School of Physics

Excellence in Medical Biological Sciences

Scientia Prof George Paxinos AO FASSA FAA, Neuroscience Research Australia (NeuRA)

Engineers Australia Top 100 Most Influential Engineers

Scientia Prof Rose Amal, School of Chemical Engineering; Prof Christoph Arns, School of Petroleum Engineering; Scientia Prof Gernot Heiser, School of Computer Science and Engineering; A/Prof Stuart Khan, School of Civil and Environmental Engineering; Scientia Prof Nigel Lovell, Graduate School of Biomedical Engineering; Prof Val Pinczewski, School of Petroleum Engineering; Scientia Prof Veena Sahajwalla, School of Materials Science and Engineering.

ARC Australian Laureate Fellows

Prof Steven Sherwood, Director of the Climate Change Research Centre

Scientia Prof Trevor McDougall, School of Mathematics and Statistics

Prof Justin Gooding, School of Chemistry, Co-director of the Australian Centre for Nanomedicine

Eureka Prizes

CSIRO Eureka Prize for Leadership in Science

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

Eureka Prize for Promoting Understanding of Australian Science Research

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

NSW Office of Environment and Heritage Eureka Prize for Environmental Research

Prof David Keith, Centre for Ecosystem Science

Westpac 100 Women of Influence Awards

Scientia Prof Jane McAdam, Law and Scientia Prof Veena Sahajwalla, Materials Science and Engineering

L'Oréal-UNESCO for Women in Science Fellowship

Dr Muireann Irish, NeuRA

Fellowship of the Australian Academy of Health & Medical Sciences (AAHMS)

Scientia Prof Helen Christensen, Black Dog Institute

Scientia Prof David Cooper, Kirby Institute

Prof John Eisman, Garvan Institute of Medical Research

Prof Robert Graham, Victor Chang Cardiac Research Institute

Prof Michelle Haber, Children's Cancer Institute

Prof Glenda Halliday, NeuRA

Prof Stephen Lord, NeuRA

Prof John Mattick, Garvan Institute of Medical Research

Prof John Myburgh, St George Clinical School

Prof Peter Schofield, NeuRA

Prof Maree Teesson, NHMRC Centre of Research Excellence in Mental Health and Substance Use / National Drug and

Alcohol Research Centre

Scientia Prof Henry Brodaty, School of Psychiatry

Scientia Prof Katharina Gaus, School of Medical Sciences Prof Andrew Grulich, Kirby Institute

Scientia Prof Mark Harris, Centre for Primary Health Care and Equity

Scientia Prof John Kaldor, Kirby Institute

Prof Anthony Kelleher, Kirby Institute

Prof Matthew Kiernan, Prince of Wales Clinical School Scientia Prof Perminder Sachdev, School of Psychiatry Prof Jamie Vandenberg, Victor Chang Cardiac Research Institute

Fellowship of the Academy of Technological Sciences & Engineering (ATSE)

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

Prof Michael Frater, Rector UNSW Canberra

Prof Anne Simmons, Head of the School of Mechanical and Manufacturing Engineering

Fellowship of Academy of the Social Sciences in Australia (ASSA)

Scientia Prof Peter Aggleton, School of Arts & Social Sciences Prof Lyn Craig, Social Policy Research Centre

Prof W. Erwin Diewert, School of Economics

Prof Lisa Maher, Kirby Institute

Scientia Prof Phillip Mitchell, School of Psychiatry

Prof Michael Quinlan, School of Management

Prof Bill Randolph, Faculty of Built Environment

Prof Maree Teesson, NHMRC Centre of Research Excellence in Mental Health and Substance Use / National Drug and Alcohol Research Centre

Fellowship of the American Association for the Advancement of Science (AAAS)

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

NSW Young Tall Poppy Science Awards

Dr Dane McCamey, School of Physics, won the NSW Young Tall Poppy of the Year. Other prize winners included: Dr Amy Reichelt, School of Psychology; Dr Mirela Tulbure, School of Computer Science and Engineering, and Dr Deborah Cromer, School of Biological, Earth and Environmental Sciences.

NSW Woman of the Year

Prof Minoti Apte, Medicine

NSW Green Globe Awards

'Natural Environment Sustainability' category Water Research Laboratory (with Greater Taree City Council)

Australian Awards for University Teaching (National Office of Learning and Teaching)

Teaching Excellence Award

Mr Simon McIntyre, UNSW Art & Design

Office of Learning and Teaching Citation Recipients

Dr Martin Bliemel, UNSW Business Dr Natalie Buckmaster, UNSW Business

Professor Alex Steel, UNSW Law

Mr Dean Utian, UNSW Built Environment

Vice-Chancellor's Awards for Teaching Excellence

General Category

Dr Elizabeth Angstmann, School of Physics Dr Therese Cumming, School of Education Dr Rebecca LeBard, School of Biotechnology and

Biomolecular Sciences

A/Prof Manolete Mora, School of the Arts and Media

Dr Nalini Pather, School of Medical Sciences A/Prof Patsie Polly, School of Medical Sciences

Postgraduate Research Supervision

Prof Brendan Edgeworth, School of Law Prof Gary Froyland, School of Mathematics and Statistics

Early Career

Dr Luke Hunter, School of Chemistry
Dr Pramod Koshy, School of Materials Science and Engineering
Dr Leila Morsy, School of Education

Contributions to Student Learning

Dr Thomas Britz, School of Mathematics and Statistics

Mr Julian Ehrlich. School of Management

Dr Thomas Fath. School of Medical Sciences

Dr Trevor Lewis, School of Medical Sciences

Dr Michael Kasumovic, School of Biological, Earth and Environmental Sciences

Dr Astrid Lorange and Dr Tim Gregory, UNSW Art & Design Dr Stephen Moore, Prof Richard Stuetz, Prof Nicholas Nakata,

A/Prof Iain McGill, Dr Taha Rashidi, Dr Ruth Fisher, and Miss Elsie Edgerton-Till (Team Award), School of Civil and

Environmental Engineering
Ms Stella Sheeba, School of Biotechnology and Biomolecular
Sciences

Dr Felix Tan, School of Information Systems, Technology Management

Programs that Enhance Learning

Dr Michael Ryan, School of Engineering and Information Technology, UNSW Canberra

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Social Engagement

We will take steps to achieve equity for students and staff. We will work closely with industry to ensure our research outcomes rapidly benefit society. We will lead debates on the grand challenges that face Australia and humankind.



2015 highlights include:

Gender equity and diversity

- UNSW is an inaugural participant in an Australia-first pilot program to improve the promotion and retention of women in science, technology, engineering, maths and medicine. The Science in Australia Gender Equity (SAGE) Pilot Program is a partnership between the Australian Academy of Science and the Australian Academy of Technological Sciences and Engineering.
- UNSW launched the Science 50:50 Initiative, which is aimed at inspiring young women to pursue degrees and careers in science and technology. Led by Scientia Professor Veena Sahajwalla, it will provide internships, scholarships and mentoring to girls so they can succeed in an innovation-driven future. It is supported by UNSW, Professor Sahajwalla's ARC Georgina Sweet Laureate Fellowship and industry partners.
- Nura Gili provides pathway programs to university for Indigenous students and ongoing study support. In 2015, UNSW graduated a record number of eight Indigenous doctors. A record number of Indigenous PhD students also completed their studies.

Community engagement

• UNSW joined forces with Matraville Sports High School in Sydney in a unique partnership that creates Australia's first university presence on a high school campus.

 The ASPIRE and U@UNSW programs continue to play a key role in working with school students from disadvantaged backgrounds in Sydney and rural NSW to assist them in accessing a university education. Key initiatives in 2015 saw staff and student ambassadors travel to Dubbo to work with more than 180 year nine students.

Thought leadership and Grand Challenges

- New research from a UNSW-commissioned Deloitte
 Access Economics report, 'The Economic Contributions
 of Australia's Research Universities, the UNSW example',
 found the research output of UNSW alone contributed \$15
 billion to the Australian economy in 2014. As a whole, the
 university sector contributed \$160 billion, or about 10% of
 GDP. This is more than Australia's mining sector.
- Climate change was announced as the first Grand Challenge to be addressed following widespread consultation for the University's new 2025 Strategy.
- In April, human rights lawyer Professor Megan Davis was elected Chair of the United Nations permanent forum on Indigenous issues, and in December, she was appointed by PM Malcolm Turnbull to the 16-member national Referendum Council, which will seek to find an appropriate path to recognise Aboriginal and Torres Strait Islanders in the constitution.
- In November, UNSW announced an historic partnership with the University of Sydney to collaboratively target mental health, addiction and neuroscience.

Spotlight

UNSW centre stage for the Sydney Writers' Festival and Film Festival

Voices

UNSW launches Top 5 Under 40 with ABC RN to uncover a new generation of STEM communicators

Honours

Stephen and Lucy Hawking awarded the 2015 UNSW Medal for Science Communication

Partnerships

UNSW teams up with Fairfax Media to host Climate Change Forum ahead of Paris talks

415,000+

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

Ingenuity

UNSW Innovations ranked best in the world in Easy Access IP deals

Arts

Australia Ensemble's new artistic Chair, Paul Stanhope, launches program

Equity

UNSW joins the Science in Australia Gender Equity (SAGE) Pilot Program

Public events and cultural partnerships

- Ela Gandhi delivered the fourth annual UNSW Gandhi
 Oration, named in honour of her grandfather Mahatma
 Gandhi. Distinguished barrister and human rights
 advocate Julian Burnside used his 2015 Hal Wootten
 Lecture in March to warn that the international community
 saw Australia as "cruel and selfish" for its treatment of
 asylum seekers.
- UNSW's new Big Questions Institute partnered with the Sydney Opera House and Cisco to present physicist and cosmologist Stephen Hawking in his first Australian talk live from Cambridge via hologram. The University awarded Hawking, and his daughter Lucy, a renowned author, the 2015 UNSW Medal for Science Communication.
- In May, UNSW's Australian Human Rights Centre hosted US Ambassador-at-Large for War Crimes Stephen Rapp, who spoke on the myriad human rights challenges posed by the conflict in Syria.
- Also in May, fertility specialist William Ledger and social researcher Mark McCrindle discussed the vexed issues of delayed parenthood and fertility in the UNSW Medicine Dean's Lecture.
- UNSW hosted the Australian Social Policy Conference in September, a three-day event that saw researchers tackling issues including climate change, migration, aged care, and housing issues.
- Five of the country's finest young scientists were selected as the inaugural Top 5 Under 40, an initiative of UNSW and ABC RN to uncover a new generation of thinkers and give them a media voice.

- Major partnerships with the Sydney Writers' Festival, the Sydney Film Festival, VIVID Sydney and the Walkley Foundation put UNSW centre stage in 2015. Arts & Social Sciences celebrated its first year as the Film Festival's features partner; academics and alumni participated in 11 Writers' Festival panels; students exhibited in the city's Winter Festival; UNSW Press continued its traditional success at the Writers' Festival, contributing 50 authors to the program; and UNSW became a major partner of Sculpture by the Sea
- A unique collaboration between UNSW and award-winning photographer Tamara Dean was unveiled at the Australian Museum in November. Wild Researchers showcased the portraits of 17 UNSW researchers photographed in the field

Knowledge exchange and innovation

- UNSW Engineering launched 25 Industry Research Fellowships, which will see industry employees embedded with research staff at the University.
- UNSW Innovations continued to have success facilitating connections between researchers and industry: It ranked first out of 24 institutions in the world in Easy Access IP deals.
- By the end of 2015, the UNSW intellectual property portfolio consists of 177 patent families, with an additional 18 new patent families being drafted.

Global Impact

We will expand our global educational reach using innovative technologies and delivery models. We will develop high-profile and strategic research and education partnerships with international universities. We will expand our efforts to improve the lives of marginalised and disadvantaged communities in Australia, the Asia-Pacific and globally.



2015 highlights include:

International students

- UNSW will streamline recruitment and admissions activities, improving student monitoring and assessment, enhancing pastoral care, and by providing personalised guidance for all students, wherever they are studying.
- Six UNSW students were selected as ambassadors for the City of Sydney in 2015 and will help promote the city's reputation as one of the world's top destinations for international students. Claire Goh, James Kwa, Nicholas Tay, Yaroslava Vasina, Hoi Ching, Jacqueline Shiu, and Dhimas Satriyo will join 36 other international students, representing 19 countries and 15 institutions, in the International Student Leadership and Ambassador program.

New Colombo Plan

In August, the government announced funding of \$1.5 million in New Colombo Plan mobility grants to UNSW over three years, supporting more than 200 UNSW students who will travel to the Indo-Pacific region in 2016. Projects include ambassador programs for 60 students in Indonesia and China, a global business practicum in Hong Kong, an engineering health initiative in Cambodia and a field school project in Samoa.

Future leaders

 Three UNSW women were among 17 students Australiawide to receive coveted Westpac Future Leaders scholarships. The scholarships are given to exceptional postgraduate students who have the potential to shape Australia's future. Alison Phillips, Clare Stephens and Susan Overall will use the up-to-\$120,000 grants to cover the costs of their studies, pursue global opportunities and enrol in a nine-month leadership development course in conjunction with UNSW's Graduate School of Management (AGSM).

International partnerships

- In November, NSW Premier Mike Baird unveiled the new UNSW Shanghai Jiao Tong University Joint Innovation Hub in Advanced Materials for the Space Age during his visit to China. There were also preliminary discussions about a potential UNSW-China partnership in a Science & Technology Park – connecting UNSW and local Australian businesses with China's formidable and rapidly expanding innovation ecosystem.
- UNSW continues to be an active member of several high-profile university networks, such as the Association of Pacific Rim Universities (APRU), Universitas 21 (U21) and GlobalTech. It also ended 2015 in talks to establish the PLuS Alliance with Arizona State University and King's College London.
- Total income from new research contracts signed in 2015 increased significantly to more than \$33m, compared to \$23m in 2014. Greater than half this amount is from Australian and international industry partners.
- Our engagement strategy with Chinese industry partners began to pay off with the first contract signed from our China research roadshows and many others under negotiation.

\$1.5m

In New Colombo Plan funding to help 200 students travel to the Indo-Pacific region

Ambassadors

Six international students elected as ambassadors for Sydney

Mental Health

UNSW forms an historic partnership with the University of Sydney to tackle mental health

Big Questions

UNSW's Big Questions Institute is launched by Stephen Hawking at the Sydney Opera House

Unveiled

UNSW-Shanghai Tong University Joint Innovation Hub for Advanced Material for the Space Age

Global Networks

In Learning, Knowledge and Development announced as part of the 2025 Strategy \$33m

In industry partnership funding, the highest in the country

Health hub

Nobel Peace Prize winner Muhammad Yunus launches the Yunus Social Business Health Hub

Global Learning Network

 To achieve our goal of becoming Australia's leading educator of international students, we will establish a new Global Learning Network. We will form strategic partnerships in cities overseas to improve access to UNSW programs for international students and provide overseas opportunities for our locally based students.

Global Knowledge Network

 We will establish a Global Knowledge Network, creating a new model of international research collaborations. This will allow us to pool expertise, build international industry partnerships, provide a competitive advantage in major research projects, and more closely integrate international research talent to address the grand challenges of our time.

Global Development Network

 UNSW announced it will develop a Global Development Network. The aim is to have significant new university partnerships across Asia, the Pacific and Africa. Three universities have been shortlisted for consideration: Yangon (Myanmar), South Pacific (Pacific Islands), Makerere (Uganda). UNSW staff and students will work with these partners on ambitious capacity-building projects. External stakeholders such as DFAT have also been involved in discussions, providing a clearer view on how UNSW can support Australia's wider foreign policy objectives in each region.

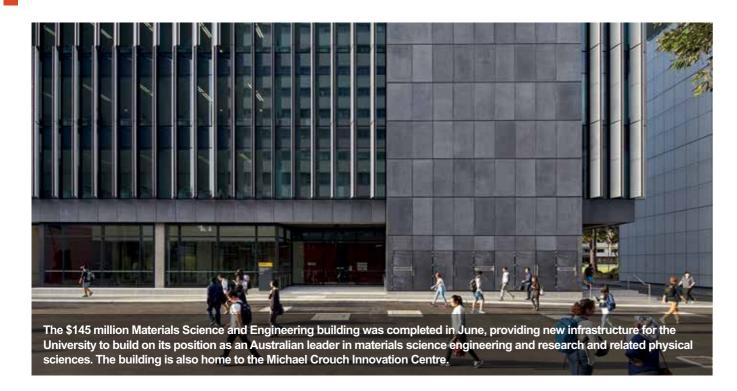
Focus on collaboration

- Nobel Peace Prize winner Muhammad Yunus visited UNSW to launch Australia's first Yunus Social Business Health Hub, which aims to improve health outcomes in marginalised communities.
- A team from UNSW's Gendered Violence Research Network, the PNG Pacific Adventist University and government agencies and service providers created PNG's first culturally appropriate and gender-sensitive workplace policy to address family and sexual violence.
- UNSW Law's Dr Melissa Crouch brought together scholars from Australia and overseas in a conference in November to discuss what the recent Myanmar democratic elections mean for business, foreign investment and legal system.
- International experts from UNSW, the Australian Army, NSW Police and international bioterrorism and disaster authorities gathered at UNSW in December for an Australia-first university-based bioterrorism course, led by the School of Public Health & Community Medicine.
- As West Africa's Ebola outbreak continued to claim lives in 2015, two UNSW public health Masters students Walton Beckley and Mohammed Alpha Jalloh found a way to provide much needed practical support from Australia, delivering training sessions for health workers heading to the crisis.
- UNSW announced a new water research program mid-year that aims to provide clean drinking water to regional India through low-cost water purification solutions. The Tata–UNSW Water Initiative is made possible thanks to funding from the Tata Trust of India.

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Enabling Delivery of our Strategy

We will develop robust performance metrics to monitor our progress. Delivering on our ambitious plans will require us to generate additional revenue on a sustained basis. We will therefore focus on potential new income sources in our implementation plan.



2015 highlights include:

People and culture

- The University has launched its 360 Degree Leadership Feedback Program. This new initiative is designed to help UNSW's executive team respond to and better understand concerns about leadership. The program will provide constructive feedback about strengths and opportunity areas and will be run in stages throughout 2016.
- UNSW continues to recognise and award its staff members through the annual Staff Excellence Awards. They honour outstanding work in Leadership, People Management, Community Engagement, Diversity & Inclusion, Professional Services and Workplace Safety.

Alumni

- The University is taking steps to create a stronger Alumni Network. This will include a new relationship approach to our students from their initial contact with UNSW to graduation, increasing and deepening contact with our global alumni community, and greater engagement with alumni by all parts of the University.
- UNSW continues to hold Alumni events overseas, including a UNSW Business School forum in Jakarta, and hosts the Annual Alumni Awards, recognising the outstanding work of past students. A Commerce graduate who left banking to teach former child soldiers, Australia's 1991
 World Cup-winning rugby union coach and a doctor caring for homeless women and children were among those honoured at the 2015 UNSW Alumni Awards.

Fundraising

- The UNSW Foundation raised more than \$30m in fundraising income for the third consecutive year, exceeding its target in 2015 by \$3.45m. Our pool of donors has also been expanding. In 2015 we had just over 5,000 total donors to the University up from 4,300 in 2011.
- As our bequest program continues to grow we received a major bequest of \$6 million from the lan Burgess AO estate. This most generous bequest is to be shared equally between the Science and Engineering faculties to fund scholarships for disadvantaged and rural students.
- Among the many donations in 2015 was \$650,000 from John Holden and his family to fund two endowed residential scholarships for rural students at Basser College. John was the first President of Basser, coming to UNSW to study engineering from regional NSW.

UNSW 2025 Strategy Office

 A UNSW 2025 Strategy Office has been established to assist our Faculties, Schools and Divisions to coordinate the range of programs and initiatives under the 2025 Strategy. The 2025 Strategy Office will be largely staffed from within UNSW, supported by Strategy& and PwC in the initial phases.

\$32.5m

Secured in fundraising income, exceeding annual target for third year running

Renewal

Work begins on the new Biological Sciences building

Alumni

UNSW's "exemplary" graduates recognised at the 2015 Alumni awards

106

Campus infrastructure projects with a total investment of \$112m

Transport

Construction begins on the new light rail connection from Central Station to UNSW

\$67m

Redevelopment of the Mechanical and Manufacturing Engineering precinct

Open

New Materials Science and Engineering Building

\$6m

Received as a bequest from the lan Burgess estate to fund scholarships for rural students

Financial planning and reporting

 UNSW will establish a single enterprise-wide financial planning and reporting system, which will promote transparency and leading indicators to inform decision making.

Campus development

- UNSW will aggregate existing plans to develop a physical campus development strategy. This will focus on providing contemporary spaces and facilities that meet student and staff needs, create a vibrant community of activity, and are safe, accessible and environmentally sustainable.
- UNSW is undertaking work to integrate digital technologies and solutions that are readily accessible and help meet the needs of staff and students.

Engineering and Science hubs

- In July, UNSW opened the new Mechanical and Manufacturing Engineering precinct on the Kensington Campus. Supported in part by a donation from businessman and philanthropist Len Ainsworth, this \$67-million redevelopment will be home to more than 1600 of Australia's future engineers.
- In 2015, UNSW also opened a new Materials Science and Engineering building, which is home to the Michael Crouch Innovation Centre. This hub for student innovation is the first of its kind at a university in Australia. It provides students with co-curricular learning workshops, networking opportunities, and research and development facilities, complete with prototyping tools.

The Biological Sciences stage 1 project has commenced construction and the Electrical Engineering refurbishment is expected to commence in 2016.

- Construction was completed in February of the Port Macquarie Joint Health Education Facility. This Education Investment Fund (EIF) funded project is a partnership between UNSW, University of Newcastle and North Coast TAFE.
- The federal Minister for Education and Training, Senator Simon Birmingham, opened a new \$3.3 million laboratory at UNSW in October with a one-of-a-kind capability in advanced materials fabrication for devices that have the potential to revolutionise sectors such as telecommunications, health, and energy.

Retail

 Food and beverage outlets in the Mathews Arcade food court and Pavilions underwent refurbishments with seven retailers updating their stores and menu offerings.

Light rail

 Construction on the light rail project will commence on High Street and Anzac Parade in 2016. UNSW is working with Transport for NSW to mitigate the impact of construction. These works will bring forward UNSW's light rail integration plans to accommodate the very high number of staff and students using the service. The completion of this project will connect the Kensington campus to the Sydney CBD.

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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