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.

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The University’s 2013 Financial & Statutory reports are in Volume 2.
Despite funding cuts to the sector, we continued to build momentum and cement our position as Australia’s leading research-intensive university focused on science, technology, and the professions.

I am pleased to report that 2013 was an extremely successful year for UNSW. Despite funding cuts to the sector, we continued to build momentum and cement our position as Australia’s leading research-intensive university focused on science, technology, and the professions. We were able to maintain staff levels and continue campus improvements. We opened a new centre for sustainable energy research, completed the $58 million rebuild of our College of Fine Arts campus, and are close to finishing a major refurbishment of our medical teaching and research facilities.

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

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

UNSW’s research performance continued to impress, with many of you over the next 12 months. As the Vice-Chancellor has detailed in his report, the University made significant progress on a number of fronts in 2013. Our ambitious building program continues to transform the campus, creating 21st century research and teaching facilities, while our strategic investment in attracting and retaining high-performing researchers is paying dividends in competitive grants, citations and academic reputation. Investment in technology and a focus on teaching excellence are providing our students with a high-quality learning experience while the expansion of on-campus student accommodation is helping to ensure a vibrant and dynamic campus.

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

The UNSW Council has been invaluable in helping to set strategic directions for the University, and the expertise of the senior management team and the dedication of our talented staff have been essential to the progress we are now documenting. Our claim to be Australia’s premier science and technology university was further reinforced by two reports released in 2013. The US website CrunchBase, a leading authority on technology entrepreneurs, ranked UNSW as the leading Australian university for the number of graduates who had started companies. And according to an analysis published by the UK-based Spear’s magazine, UNSW produces more millionaire graduates than any other Australian university. We were ranked 33rd in the world, ahead of some of the biggest universities in the world, and one of the reasons for this is our commitment to teaching excellence.

UNSW is a research-intensive university focused on science, technology, and the professions, and our research performance continues to impress, with many of you over the next 12 months. As the Vice-Chancellor has detailed in his report, the University made significant progress on a number of fronts in 2013. Our ambitious building program continues to transform the campus, creating 21st century research and teaching facilities, while our strategic investment in attracting and retaining high-performing researchers is paying dividends in competitive grants, citations and academic reputation. Investment in technology and a focus on teaching excellence are providing our students with a high-quality learning experience while the expansion of on-campus student accommodation is helping to ensure a vibrant and dynamic campus.

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

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

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

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

Professor Frederick Hilmer AO
President and Vice-Chancellor

Mr David Gonski AC
Chancellor

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

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

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President and Vice-Chancellor

Mr David Gonski AC
Chancellor
About UNSW Australia

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

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

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

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

Our Mission

Strategy

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

Aspiration

Our aspiration is to continually improve our position as a leading research-intensive university in the Asia-Pacific region, focusing on contemporary and social issues through defined strengths in professional, scientific and technological fields. We seek to make a significant contribution to the development of knowledge, to learning and teaching, to our students, and to society.

Objectives

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

Guiding principles

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

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

- **54,517** Student Enrolments*
- **40,914** Local Students
- **13,603** International Students
- **250,000** Alumni

**Staff**

- **6,104*** Total Staff
- **1,077** Female Academic Staff
- **1,685** Male Academic Staff
- **2,127** Female Professional Staff
- **1,215** Male Professional Staff

**Enrolments by Campus**

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

**Students by Level of Program**

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

**Top 10 Countries of Origin for International Students**

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

**Graduate Starting Salaries***

- Undergraduates $60,000
- Employment Rate 83%

- Postgraduate $100,000
- Employment Rate 90%

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

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**2013 Financial Summary**

<table>
<thead>
<tr>
<th>CONSOLIDATED</th>
<th>UNIVERSITY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2013</td>
</tr>
<tr>
<td>Total revenue and income</td>
<td>$1,132,948</td>
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<tr>
<td>Employee costs</td>
<td>(650,033)</td>
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<tr>
<td>Other expenses</td>
<td>(453,734)</td>
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<tr>
<td>Operating result</td>
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<tr>
<td>Restricted surplus</td>
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<tr>
<td>Investment earnings</td>
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<tr>
<td>Income for capital projects</td>
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<tr>
<td>Impairment of assets*</td>
<td>(939)</td>
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<tr>
<td>Forgiveness of loan*</td>
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</tr>
<tr>
<td>Gain on sale of assets*</td>
<td>-</td>
</tr>
<tr>
<td>Revaluation of ATPi*</td>
<td>-</td>
</tr>
<tr>
<td>Accounting result</td>
<td>104,824</td>
</tr>
</tbody>
</table>

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*Includes impairment on all assets except for student receivables and sundry debtors.

2 Forgiveness of intercompany loan to NewSouth Innovations Pty Ltd.

3 Includes gain on sale of 78-82 Bay St, Botany NSW properties.

4 Revaluation of investment in Australian Technology Park Innovation Pty Ltd (ATPi).

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*Domestic students

Source: Australian Graduate Survey 2013
FACULTIES
ARTS AND SOCIAL SCIENCES
AUSTRALIAN SCHOOL OF BUSINESS
BUILT ENVIRONMENT
COLLEGE OF FINE ARTS
ENGINEERING
LAW
MEDICINE
SCIENCE

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

The University is ranked
52nd
in the 2013 QS World University Rankings.

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

Research excellence
The 2012 Excellence in Research for Australia Report recognised UNSW as “above or well above” world standard.

16 subjects in world’s top 50
10 Accounting & Finance
11 Pharmacy & Pharmacology
14 Law
15 Psychology
17 Materials Science
18 Engineering – Civil & Structural
26 Education
29 Computer Science & Info Systems
29 Medicine
33 Engineering – Electrical
37 Engineering – Mechanical
41 English Language & Literature
46 Economics & Econometrics
46 Engineering – Chemical
50 Biological Sciences
50 Environmental Sciences

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

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

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

(Leading Company 2012)

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

(Spear’s WealthInsight 2014)

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

(CrunchBase 2013)

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

(Australian Graduate Survey 2013)
2013 in Review

January

ASB Dean
Geoffrey Garrett appointed Dean of the Asian School of Business.

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

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

MBA ranking
The full-time MBA offered by the Australian School of Business is ranked in the world’s top 50 programs by the Financial Times.

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

February

Chancellor
Gordon Gonski reappointed for a third term.

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

UNSWS Law appointments
Former Federal Court Judge the Hon Ronald Sackville QC AO and the Hon Margaret Stone take up teaching posts.

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

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

Student union
Arch@UNSW recognised with a top rating from the National Union of Students.

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

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

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

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

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

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

March

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

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

Space Masters
Launch of Australia’s first Masters program in Galactic Systems Engineering.

Eye care
UNSW’s Department of Ophthalmology launches a neworn project.

Uniken
UNSW’s flagship magazine launches interactive app.

April

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

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

Space centre
UNSW scores more than $2 million from the ARC to establish a research and training centre to bolster the Australian space industry.

Royal Fellow
UNSW’s first Royal Fellow is named.

Diplomatic first
UNSW alumnus Domon Miller becomes Australia’s first Indigenous head of an overseas mission.

May

UNSW's highest honour
Margaret Stone takes up teaching post.

Mature-age students
UNSW receives more than $2 million from the NSW government to complete its scheme.

MBA students
More than 4,000 mature-age students graduate from Nura, UNSW’s Winter School Program.

UNSW partners
MOOCs UNSW partners with Coursera, the largest provider of MOOCs.

Nuclear first
UNSW offers Australia’s only graduate program in nuclear engineering.

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

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

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

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

Triple Eureka
Research project on evolution, drug resistance and the battle against HIV/AIDS win three UNSW scientists prestigious Australian Museum Eureka Prizes.

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

Rural clinical schools
UNSW Medicine unveils state-of-the-art Rural Clinical Schools at the Alpine Wodonga and Port Macquarie campuses.

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

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

UNSW ranked as one of the world’s top 100 universities for academic recognition in the Australia Day honours.

June

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

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

Universitas 21
Victor Manuel Alvarado and Andrew St John appointed Vice-Chancellors of the global alliance.

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

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

July

Minimum cut-off
UNSW becomes first university to complete the scheme.

HIV landmark
HIV drug therapy makes it possible for more people to access life-saving medicine.

Kirby Institute
UNSW becomes first university to jointly lead the Kirby Institute.

HIV drug therapy
More people can access life-saving HIV drug therapy.

UNSW receives the honour.

World rankings
UNSW is ranked first in the world for its physics research.

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UNSW receives the honour.

University of New South Wales to change its name from The Australian Graduate School of Business.

UNSW ranked as one of the world’s top 101 universities for academic prestige for the second time.

November

November

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

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

Award winner
Professor of Public Health and Human Nutrition Michelle Simmons is named a Young Global Leader by the World Economic Forum.

Diplomatic first
UNSW alumnus Domon Miller becomes Australia’s first Indigenous head of an overseas mission.

December

Balnaves graduation
Dr Andrew Juliak becomes the first purpose medical student to graduate from UNSW on a Balnaves Foundation Scholarship.

MBA design competition
UNSW alumnus Damien Miller wins a year of free study at UNSW through the global Austrade competition Win Your Future Unlimited.

PM’s award
PM’s award winner Dr Michael Gonski from UNSW Canberra awarded the 2014 Spiltfire Memorial Defence Fellowship to develop the global alliance of technological universities for micro air vehicles.

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

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

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South East Light Rail – a vital transport link for UNSW

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

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

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

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

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

Image credit: NSW Government, artist impression
UNS W Council

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

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

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

Official Members

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

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

President, Academic Board
Professor Prem Ramburuth

President, Academic Board
Professor Prem Ramburuth

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

Ministerial appointments

Mr Brian Long FCA

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

Elected members

Ms Samantha Bobba
Mr Stefan Heap
BA (Hons) Linguistics UNSW

Professor Rakesh Kumar
MBBS AI-India JMS, New Delhi, PhD MD UNSW FRCPA (Hon)

Mr Karl Natschev
Sciensta Professor John Piggott BA Syd MSc PhD London

Former members

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

Academic Board

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

Management

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

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

**Executive Team** (as at 31 December 2013)

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

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

**Vice-President and Deputy Vice-Chancellor (Research)**
Professor Lee 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 Melb, CA

**Vice-President, Advancement**
Ms Jennie Lang
BA BEd (Dist), M Ed 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 HUl, PhD Wales

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

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

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

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

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

**Vice-Chancellor’s Advisory Committee**

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

**Deans**

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

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

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

**Faculty of Engineering**
Professor Graham Davies
BSc PhD DSc Wales, CEng, FIET, FInstP, FICMS, FIE Aust, FREN, FTSE

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

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

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

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

**UNSW Canberra**
Professor Michael Frater (Rector)
BSc BE Syd, MMed UNSW, PhD ANU, MIEEE, FIE Aust

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

**Senior Officers**

**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

**Organisational Chart**

(as at 31 December 2013)
We continue to build on our reputation for world-class research in areas critical to the future, using our close links with industry and other institutions to ensure our work has practical application and impact.

2013 highlights include:

Research excellence

• We continued our strong performance in international league tables: 52nd in the 2013 QS World University Rankings; 114th in the 2013-2014 Times Higher Education World University Rankings and we rose nine places in the prestigious Shanghai Jiao Tong Academic Ranking of World Universities (132).

• We were one of only eight universities in the world to achieve a Q2 Five Star Plus rating. UNSW scored the maximum five-star rating for 12 key performance indicators in the 2014 Good Universities Guide, more than any other university in Australia.

Research funding

• We were ranked 1st in the Go8 in NHMRC funding and 3rd in the Go8 in total new ARC funding in NSW.

• Comparing like with like programs, we had the largest increase in total NHMRC funding in the Go8, with a 39% jump.

• We were one of only eight universities in the world to achieve a Q2 Five Star Plus rating. UNSW scored the maximum five-star rating for 12 key performance indicators in the 2014 Good Universities Guide, more than any other university in Australia.

Research centres

• We launched the first research centre specialising in international refugee law, the Andrew & Renata Kalodner Centre for International Refugee Law, headed by Professor Jane McAdam.

• Two new Centres of Research Excellence (CRE) will commence in 2014.

Higher degree research

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

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

Research outputs

• Our research publications increased by 9% to 4,918 in 2013, and international applications increased by 18%.

Research facilities

• New research facilities underway include the upper campus Analytical Centre biomedical research facilities, to be fully operational by December 2014. We are planning for the growth of existing bioanalytical facilities and the possible addition of a new facility.

• The Solar Industrial Research Facility for solar cell research and development, the first of its kind in Australia, is now operating.

Ethics

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

Collaboration and partnerships

• We became the only Australian university to join GlobalTech, the Global Alliance of Technological Universities.

• We were elected to the prestigious Association of Pacific Rim Universities network (APRU), joining other leading research-intensive universities in the Asia-Pacific region including Stanford, UCLA, University of Hong Kong, University of Tokyo, National University of Singapore and Seoul National University.

• We cemented a joint commitment with Shanghai Jiao Tong University to develop a comprehensive partnership focused on increased research collaboration. We are making progress on the development of a flagship joint training program in advanced manufacturing engineering with the prestigious Xian Jiaotong University, and have progressed negotiations with the China Scholarship Council to secure a 50% increase in the number of PhD candidates under this flagship research partnership.

Intellectual property

• NewSouth Innovations (NSi) executed 19 Easy Access IP licences across 27 technologies. It also commenced a $5m research program with a major financial services company on quantum computing. 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.

• The current IP portfolio consists of about 146 patent families, with more than 50 revenue-generating licences. There are currently 4 active spin-off companies developing technology that originated at UNSW.

Arc funding for 104 new projects, highest in NSW

$37m

2013 QS World University Ranking

52

Researchers receive national and international awards

91%

Awarded two new Centres of Research Excellence

1st

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

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

1st
2013 highlights include:

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

**International students**
- We welcomed 5,793 commencing international students, with 2,118 from China, the highest number ever.
- About 20% of graduating students have had some international experience as part of their degree. In 2013, 699 UNSW students embarked on 871 outbound semester exchange placements, while more than 1,500 students participated in international internships, summer school, study tours, exchange and volunteer abroad opportunities.
- We collaborated with key partner institutions such as the Universitas 21, ASEAN, GlobalTech and China 9 networks to increase our capacity for student mobility overseas.

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

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

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

**Accommodation**
- With the addition of five new residential colleges, there are 386 on-campus beds available for UNSW students, including in affiliated colleges and UNSW-run off-campus apartments. This is a doubling of capacity in just four years.
- In 2013, we announced an accommodation guarantee for all first-year international undergraduate students commencing studies in 2014.

**Student support**
- Peer Mentoring@UNSW and Counselling and Psychological Services counsellors trained more than 700 mentors for commencing students in 2013 across 24 different mentoring programs.
- Enrolment in the co-curricular UNSW Leadership Program grew to more than 1,080 students and attendances at workshops increased by 220%. The program emphasised socially responsible community leadership, with students having contributed more than 1,400 volunteer hours to community partners.

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

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

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

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

2013 highlights include:

Fundraising
- Successful fundraising saw the UNSW Foundation receive more than $30.9 million in 2013, an increase of 63% year-on-year.
- Construction started on a new centre at UNSW designed to position Sydney as a major innovation hub in the Asia-Pacific. The Crouch Innovation Centre has been made possible through a donation from UNSW alumnus Michael Crouch AO, Executive Chairman of Zip Industries.
- More than $6 million was raised for the Kirby Institute and this attracted matching funding from the Atlantic Philanthropies.
- Sir Michael Hintze honoured his father, Michael Hintze senior, with the unveiling of a new lecture theatre at UNSW made possible by a $1 million donation. Former Prime Minister Paul Keating was a guest at the event.
- Ron Finemore presented the Ron Finemore Transport 2018 with an investment of $5.5 billion. from philanthropy, tax and aid to technology and being an introvert in business. He predicted polio could be stamped out by as UNSW hosted a special ABC TV Q&A program on global health and development, featuring Microsoft founder and philanthropist Bill Gates. Mr Gates, co-chair of the Bill & Melinda Gates Foundation, answered questions on topics ranging from philanthropy, tax and aid to technology and being an introvert in business. He predicted polio could be stamped out by 2018 with an investment of $5.5 billion.

Alumni
- Alumni events took place worldwide, with successful meetings across Asia as well as in the US and France.
- The Vice-Chancellor’s Telephone Alumni Appeal received $2.5 million in pledges over five years, with $1.7 million in cash received by November 2013.
- UNSW is establishing the Global Circle of Friends of UNSW Australia, aiming to significantly increase performance in philanthropy and expand the circle of friends and supporters. The Global Circle will include the UNSW Foundation Ltd, UNSW Foundation Hong Kong, UNSW Foundation in the US and the UK Friends of UNSW Australia.
- Chief of Defence General David Hurley BA (MV) ’75 was among a stand-out group of recipients to be honoured at the 2013 Alumni Awards dinner. Other winners included founders of software company Atlassian, Michael Cannon-Brookes BSc ’02 (Business & Information Technology) and Scott Farquhar BSc ’03 (Business & Information Technology); and a Posthumous Award to Dr Robert Maple-Brown BCom ’85 HonBus ’98.

Community outreach
- A series of flagship events for the community included: a special Q&A with Bill Gates, broadcast to more than 1 million viewers on ABC TV, the Ghandi Oration delivered by former High Court Justice Michael Kirby, and the second Australia and China Climate Change Forum.
- Westpac CEO Gail Kelly helped unveil a bust of Nelson Mandela and paid tribute to his inspiring legacy and leadership in the 2013 Wallace Wurth Lecture.
- UNSW hosted a Philanthropy Australia event – Mr Frank Lowy ‘In conversation’ with Chancellor David Gonski.
- India’s Education Minister Mr Pallam Raju visited UNSW and called for stronger research partnerships between university sectors.
- We were the only university to participate in the NSW Premier’s mission to India, showcasing our ‘green steel’ technology and the research of Scientia Professor Veena Sahajwalla.
- UNSW Vice-President Advancement, Jennie Lang, won Australia’s Most Outstanding Philanthropist of the Year award.
- UNSW is a leader in the use of digital media to promote its reputation. UNSW’s YouTube channel is Australia’s top educational channel, consistently ranking in the top 15 university sectors.
- There was also increased engagement with UNSW’s Twitter, LinkedIn and Google+ profiles. UNSW also established a new Instagram account in October 2013.
- UNSW is an education outreach initiative, the ASPIRE program, partnered with 57 schools in regional Sydney and rural NSW. Since 2010, there has been a 28% increase in university offers to school leavers from ASPIRE partner schools and a 50% increase in offers to study at UNSW.

Social and digital media
- UNSW continues to be a leader in the use of social media. Our Facebook page was ranked number 1 in the 2013 Social Pulse Awards for the highest number of followers in the education sector and the highest rate of engagement. There was also increased engagement with UNSW’s social media channels, with a 25% increase in followers and a 50% increase in offers to study at UNSW.

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

Honorary degrees
- In 2013, we awarded eight honorary degrees to outstanding members of the community, including former Prime Minister John Howard.

 likes on UNSW’s Facebook page – best result for an Australian university
2013 highlights include:

**Campus transformation**

- The Kensington Colleges Redevelopment and Expansion: This 950-bed on-campus student accommodation project was completed under budget and on time with quality outcomes. It comprises replacement buildings for Bassler, Goldstein, and Baxter Colleges, in addition to a new fourth college, to be known as Fig Tree Hall, and a Seniors Hall — Colombo House.

- Wallace Wurth Building Redevelopment and Expansion: Construction of Stages 2 and 3 is progressing well. All areas will be fully occupied by June 2014.

- Gateway@COFA: Final defect rectification is progressing with the official opening scheduled for late 2014. The Arc space and art shop have been completed and the café fit-out is underway.

- Materials Science and Engineering Building: Construction is well advanced on this new building, which will also house the Michael Crouch Innovation Centre.

- Mechanical and Manufacturing Engineering Precinct Development: The project team has proceeded well into design finalisation and implementation with construction commencing in early 2014.

- Australian Advanced Treatment Centre: Excavation for Stage 1 is complete and tendering for Stage 2 is to commence in early 2014. The Project is scheduled for completion by mid-2016.

- Port Macquarie Joint Health Education Facility: Following a sod turning in late 2013, commencement of construction began in late January 2014, with practical completion by December 2014. The project is tracking to the set program and budget.

- Biomedical Renewal Project: This project will be delivered in two phases — an Enabling Works phase and the Main Works phase. Construction is expected to be completed by December 2016.

**Facilities**

- Investment and upgrading of teaching infrastructure has included digital AV upgrades in 27 central teaching rooms and extensive refurbishment of learning environments in Old Main, the Science Theatre, Level 1 of Mathews, Central Lecture Block and the Mathews Theatres. Three new lecture theatres and seminar rooms called the Fig Tree Theatres will open in 2014.

- We increased the number of wireless stations on campus from 1,800 to 3,500 and tripled the speed of the wireless network.

**New IT systems**

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

**Retail**

- A significant number of new retail outlets on campus include IGA, Max Brenner, Guzman y Gomez, Coco Cubano, Mochi, Mamak Village, Yumbarra Vegetarian, Stellini Pasta Bar, Shanetea, Physiotherapy and Sport Medicine Clinic, Subway, Boost Juice and WH Smith.

**Leadership**

- Women leaders supported through new development program for professional staff.

**Safety**

- Fewer workplace injuries and more health and safety training.

**Teaching**

- Major upgrade of teaching infrastructure.

**Workplace diversity**

- Work to develop and retain talented female leaders included the UNSW Senior Women’s Network and the establishment of the UNSW Professional Women in Leadership Program, to be launched in 2014. This will complement the existing Academic Women in Leadership Program.

- UNSW’s gender equity initiatives have seen the number of female applicants for promotion to Professor increase by 57% year-on-year, with a 91% success rate in 2013, up from 57%. Similarly, there was an increase in the success rate for female applicants for Associate Professor promotions - 85% in 2013, up from 55%.

- The University commenced implementation of a new Enterprise Data Warehouse, which will provide better identification and understanding of diversity patterns. A full list of employment equity and diversity programs is available on the HR website.

- Engineering created a Women in Engineering manager position to support the Faculty’s goal of increasing the proportion of female student enrolments to 25% by 2020.

**Health and safety**

- There was a significant reduction in total workers compensation claims down from 98 in 2012 to 54 in 2013. Highlights include a 56% reduction of the manual handling claims rate for 2013 compared to the average over the past nine years and the repetitive motion claims rate reducing by 70%.

- Our Lost Time Injury Frequency Rate fell from 3.5 in 2012 to 2.2 in 2013, with an online reporting tool boosting staff reporting of incidents and hazards, allowing more issues to be remediated.

- UNSW maintained its Self-Insurers Licence, passing a Health and Safety report of incidents and hazards, allowing more issues to be remediated.

- UNSW campuses will be entirely smoke-free after a unanimous resolution of the University’s Level 1 Health, Safety and Environment Committee in November 2013. The new smoke free environment policy will take effect from May 31 2014, which is World No Tobacco Day.
Major research and teaching prizes awarded in 2013 include:

**Order of Australia (AO)**
Prof Robert Clark, Faculty of Engineering

**Member of the Order of Australia (AM)**
Prof Anne Simmons, School of Mechanical and Manufacturing Engineering
Prof Robyn Ward, Prince of Wales Clinical School

**Prime Minister’s Prizes for Science**
Frank Fenner Prize for Life Scientist of the Year
A/Prof Angela Moles, School of Biological, Earth and Environmental Sciences

Malcolm McIntosh Prize for Physical Scientist of the Year
A/Prof Andrea Morello, School of Electrical Engineering and Telecommunications & ARC Centre of Excellence for Quantum Computation and Communication Technology

**Prime Minister’s Prizes for Science**
Malcolm McIntosh Prize for Physical Scientist of the Year
A/Prof Andrea Morello, School of Electrical Engineering and Telecommunications & ARC Centre of Excellence for Quantum Computation and Communication Technology

**Eureka Prizes**
The Australian Government Eureka Prize for Promoting Understanding of Australian Science Research
Prof Rob Brooks, School of Biological, Earth and Environmental Sciences

**Australian Academy of Science Dorothy Hill Award**
Dr Lisa Alexander, Climate Change Research Centre

**NSW Office of Environment and Heritage Eureka Prize for Environmental Research**
Dr Michael Letnic, School of Biological, Earth and Environmental Sciences (with Prof Chris Johnson, University of Tasmania; Dr Euan Ritchie, Deakin University; Dr Brian Wallach, James Cook University; and Adam O’Neill, Evelyn Downs Station)

**NSW Science & Engineering Awards**
Excellence in biological sciences (cell and molecular, medical, veterinary and genetics)
Prof Katharina Dax, Centre for Vascular Research

Emerging Research
Sciences Prof Justin Gooding, School of Chemistry

Excellence in engineering and information and communications technologies
Prof Martina Stenzel, School of Chemical Engineering

Excellence in mathematics, earth sciences, chemistry and physics
Prof John Webb, School of Physics

**NSW Young Tall Poppy Science Awards**
Dr Julian Berengut, School of Physics
Dr Jessica Graham, School of Psychology
Dr Belinda Liddell, School of Psychology
Dr Sarah Perkins, ARC Centre of Excellence for Climate System Science & UNSW Climate Change Research Centre
Dr Neeraj Sharma, School of Chemistry

**Research & Teaching Honours**
Office of Learning & Teaching
Citations for Outstanding Contributions to Student Learning
Dr Tania Bucic, School of Marketing
A/Prof Alistair Poore, School of Biological, Earth and Environmental Sciences
Mrs Judith Watson, Australian School of Business

**Office of Learning & Teaching**
2013 Australian ICT Educator of the Year
A/Prof Richard Buckland, School of Computer Science and Engineering

**Vice-Chancellor’s Awards for Teaching Excellence**
General Category
Dr Kar Ming Chong, School of Accounting
Dr Ricardo Flores, School of Management
Dr Alexandra George, School of Law
Dr Stewart Head, School of Medical Sciences
A/Prof Mina Rocs, School of Humanities and Languages
A/Prof Norman Wildberger, School of Mathematics and Statistics

**Postgraduate Research Supervision**
Prof Jeffrey Braithwaite, Australian Institute of Health Innovation
A/Prof John Stind, School of Chemistry

**Sessional Teaching**
Mr Nicholas Fewster-Young, School of Mathematics and Statistics
Dr Sue Morris, School of Psychology

**Initiatives to Enhance Learning**
Mr Robert Tumarkin, School of Banking and Finance

**Learning and Teaching Technologies**
Dr Loretta Dobrescu and Dr Alberto Motta, School of Economics

**The Heinz Harant Award**
Dr Loretta Dobrescu and Dr Alberto Motta, School of Economics

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

**Fellowship of the Australian Academy of Technological Sciences and Engineering**
Prof Graham Davies, Faculty of Engineering
Prof Maria Skylas-Kazacos, School of Chemical Engineering

**Fellowship of the Royal Society**
Scientia Prof Martin Green, Centre for Advanced Photovoltaics

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