



CELEBRATING
25 YEARS
1991 - 2016

2016

annual review



University of
South Australia

LETTER OF TRANSMITTAL

The Hon Susan Close MP
Minister for Education and Child Development
Minister for Higher Education and Skills
Level 9, 31 Flinders Street
Adelaide SA 5000

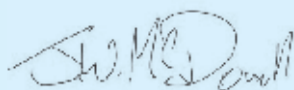
30 May 2017

Dear Minister,

In accordance with the requirements of regulations under Part 4, Section 18 – Annual Report of the University of South Australia Act 1990, it gives me great pleasure to submit for your information and presentation to Parliament the University of South Australia 2016 Annual Review and the University of South Australia 2016 Financial Statements, for the year ending 31 December 2016.

The University Council approved the Annual Review and the Financial Statements at its meeting on 13 April 2017.

Yours sincerely,



Mr Jim McDowell
/ Chancellor



ACKNOWLEDGEMENT OF COUNTRY

UniSA respects the Kurna, Boandik and Barngarla peoples' spiritual relationship with their country. We also acknowledge the diversity of Aboriginal peoples, past and present.

Find out more about the University's commitment to reconciliation at unisa.edu.au/RAP

COMPANION VOLUME

The University's complete annual financial statements for the year ended 31 December 2016, adopted by the University Council are contained in the University of South Australia 2016 Financial Statements, a companion volume to this report.

YOUR FEEDBACK

We welcome any comments or suggestions on the content or layout of this report. Please contact the Corporate Communications Manager on:

Telephone: +618 8302 9136

Email: susan.lamont@unisa.edu.au

FURTHER INFORMATION

This report and the University of South Australia 2016 Financial Statements, as well as past annual reports, are available on our website unisa.edu.au/publications

For hard copies of this report or the University of South Australia 2016 Financial Statements, please contact:

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Or write to:

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INTRODUCTION



Chancellor's Report

Looking back over 2016, my first year as Chancellor of this great young university, I am pleased to report that we are building upon our strengths and creating new opportunities for our students, our staff, our business partners and our community.

This is an exciting institution that's creating new projects, researching issues of global and national importance, and delivering the kind of education that enhances our students' future employability.

The university has a great reputation for being easy to work with and the more than 2500 partnerships that we have with industry and the professions are constantly growing. As a University of Enterprise we are committed to building bridges between ourselves, our governments and our industry and professional partners, so that between us we build widespread economic, social and cultural benefits.

Our rapid growth requires new spaces and new buildings are taking shape all around us.

The \$230 million Health Innovation Building, part of the State's health and biomedical precinct across from the City West campus on North Terrace, grows more imposing every day as it gets ready to house ground-breaking medical and health research and Australia's newest Museum of Discovery. On Hindley Street, the new Pridham Hall, the spiritual heart of UniSA is rapidly taking shape and although there are no cranes involved, huge changes are being planned place on our Magill campus as we revolutionise the education of educators in a new specialty precinct.

The University of South Australia is a very exciting place to be and none of it would be possible without the strength and support of our Council who are committed and energetic and who support our plans and help us manage the risks.

The university is on a great trajectory for future growth and we have exactly the right people working with us who can help make our continued growth a reality.

We have very good reason to be proud of all of them.



Mr Jim McDowell
/ Chancellor



Vice Chancellor's Report

In 2016 our social energies were tied up with celebrating our 25th birthday as a University and reflecting on how far we have travelled since our early days as the South Australian College of Advanced Education and the South Australian Institute of Technology.

During the year we blew out thousands of candles and ate uncountable cakes and threw open our doors to our community for a spectacular series of birthday events such as galas, campus parties and public lectures. We held a Gala Dinner to celebrate our anniversary and raised \$500,000 for our scholarship fund and were given the largest single donation we've ever received, a \$5 million contribution to our new Great Hall, from alumnus Andrew Pridham. That donation attracted a further \$1 million from the State Government to fund scholarships for high achieving sports people and for high achieving Aboriginal students.

It was a thoroughly good year and everything we did, from creating new partnerships with industry and the professions, to tapping into our ideas bank through our online brainstorming event, Unijam 2, underscored our role as Australia's University of Enterprise. We remain focussed on innovation and creativity and committed to adding value to the economy and to the communities we serve.

From the very beginning UniSA differentiated itself from other universities by creating links with industry and the professions, by stressing access and equity, and building deep ties to the community. Our two predecessor institutions began our long history of working in partnership with industry and the professions and focussing on access and equity. The Institute of Technology had one of the best examples of Aboriginal education programs in Australia, the Aboriginal Task Force, which informed our ambition to become the University of Choice for Aboriginal and Torres Strait Islander students.

When those two institutions joined forces in 1991 we became the University of South Australia and in 2016, our 25th year, we looked back at almost one billion dollars spent on capital works to create a university for the 21st century; we congratulated our 150,000th graduate, we celebrated the 48,000 international students we've graduated and the almost 200,000 alumni we have gathered from this and our predecessor institutions.

We also rose rapidly in international rankings. We are now considered one of the world's very best young universities by all the rankings that matter.

In 2016 we were named as Number 24 in the Quacarelli Symonds' list of the World's Top 50 Universities under 50 years old. Times Higher Education's list ranks us as among the top 2 per cent of universities in the world and we were named as one of Asia's 75 Most Innovative Universities by Thompson Reuters.

We are still Australia's Number 1 University on THE's rankings for Industry derived Income. We are Australia's youngest university to receive 5 stars in research and we attract the lion's share of first preferences in the State - and that includes the most students with 70+ ATARs.

Our focus is, as it always has been, on creating new knowledge and disseminating that knowledge to our students. We are creating research that tackles significant real world challenges and we're preparing the next generation of professional careerists who will make their mark on global economies.

With all that we're Number 1 in South Australia for student satisfaction and we are Number 1 in South Australia for graduate careers.

And we achieved that in just 25 years.

There is so very much more to come.



Professor David G. Lloyd
/ Vice Chancellor and President



2016 at-a-glance

4 ACADEMIC DIVISIONS

UnISA BUSINESS SCHOOL
EDUCATION, ARTS AND
SOCIAL SCIENCES
HEALTH SCIENCES
INFORMATION TECHNOLOGY,
ENGINEERING AND THE
ENVIRONMENT
+ UnISA COLLEGE

5 LEADING RESEARCH INSTITUTES

EHRENBERG-BASS INSTITUTE
FOR MARKETING SCIENCE
FUTURE INDUSTRIES
INSTITUTE
HAWKE RESEARCH INSTITUTE
SANSOM INSTITUTE
FOR HEALTH RESEARCH
CENTRE FOR CANCER BIOLOGY

500

INTERNATIONAL
COLLABORATIONS

5721

TOTAL NUMBER OF
INTERNATIONAL
STUDENTS

5124

ONSHORE
INTERNATIONAL
STUDENTS

2709*

STAFF
POPULATION

*Actual headcount

7452

NUMBER OF
PARCHMENTS
AWARDED

31,930
TOTAL NUMBER OF
STUDENTS

202,934

TOTAL UNIVERSITY
ALUMNI

78

STUDENT
EXCHANGE
PARTNER
INSTITUTIONS

2016 figures

6 CAMPUSES

CITY EAST
CITY WEST
MAGILL
MAWSON LAKES
MOUNT GAMBIER
WHYALLA

Key Statistics

	2011	2012	2013	2014	2015	2016
Number of students						
Total	34,899	33,674	33,549	32,647	32,079	31,930
Commencing	12,390	12,405	12,620	12,616	12,122	12,129
Student load (EFTSL)*						
Total	24,459	23,624	23,205	22,495	22,264	22,268
Undergraduate	20,417	19,626	19,168	18,617	18,454	18,616
Postgraduate	4,041	3,998	4,037	3,878	3,810	3,652
Student load by funding source (EFTSL)						
Commonwealth Grant Scheme	16,022	16,212	16,729	16,831	16,942	17,017
Commonwealth Research Training Scheme	514	552	576	573	550	492
Domestic fee paying	434	454	423	467	484	468
International onshore	4,404	4,113	3,918	3,887	3,839	3,963
Transnational	3,067	2,280	1,549	731	449	321
Award completions						
Total	9,134	8,605	8,594	8,193	7,452	7,339
Undergraduate	6,358	6,019	5,918	5,536	5,021	4,990
Postgraduate	2,776	2,586	2,676	2,657	2,431	2,349
Staff (FTE)						
Total	2,575	2,573	2,619	2,641	2,596	2,492
Academic	1,102	1,094	1,110	1,127	1,126	1,061
Professional	1,473	1,479	1,509	1,515	1,470	1,431
Financials						
Consolidated operating result (\$M)	72.2	32.5	71.6	29.7	55.9	40.5
Safety margin	13.1%	6.0%	11.8%	5.1%	9.2%	6.6%
Net assets (\$M)	856.3	889.8	981.2	1,009.2	1,071.0	1,174.0
Total assets (\$M)	1,504.3	1,540.7	1,564.1	1,648.7	1,673.4	1,770.0
Total revenue (\$M)	551.3	545.4	604.1	584.2	607.6	609.3

NOTES

*Student load by funding source.

Load is expressed as Equivalent Full Time Student Load (EFTSL).

Staff figures are full-time equivalent positions of full-time and part-time continuing and fixed term staff as at 31 March.

Financial Overview

SUMMARY STATEMENT OF COMPREHENSIVE INCOME

	CONSOLIDATED 2015 \$M	2016 \$M	UNIVERSITY 2015 \$M	2016 \$M
OPERATING INCOME	607.6	609.3	607.7	607.9
Employee Related Expenses	349.5	357.4	347.9	355.7
Non-salary Expenses	202.2	211.5	203.8	211.9
OPERATING EXPENSES (INCL. INCOME TAX)	551.7	568.9	551.7	567.6
OPERATING RESULT AFTER INCOME TAX	55.9	40.5	56.0	40.4
Safety Margin ¹	9.2%	6.6%	9.2%	6.6%

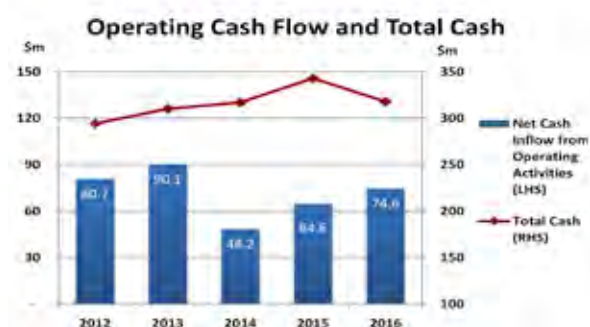
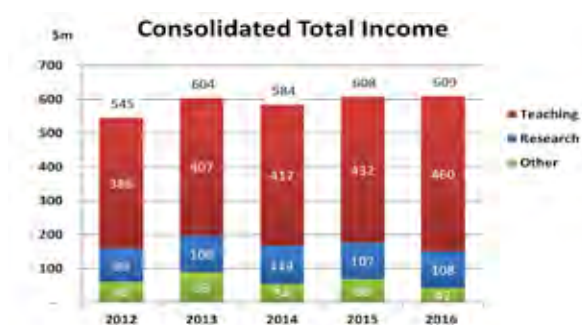
SUMMARY STATEMENT OF FINANCIAL POSITION

Current Assets	418.0	399.9	416.7	398.7
Non-current Assets	1,255.4	1,370.1	1,256.8	1,371.2
TOTAL ASSETS	1,673.4	1,770.0	1,673.6	1,769.9
Current Liabilities	171.8	181.6	172.4	182.0
Non-current Liabilities	430.6	414.4	430.6	414.4
TOTAL LIABILITIES	602.4	596.0	603.0	596.5
NET ASSETS	1,071.0	1,174.0	1,070.5	1,173.5

SUMMARY STATEMENT OF CASH FLOWS

Net Cash Flows from Operating Activities	64.6	74.6	65.3	74.4
Net Cash Flows from Investing Activities	(38.5)	(99.8)	(38.3)	(99.4)

Safety Margin: Operating Result after Income Tax ÷ Operating Income



Financial Summary

In 2016 UniSA achieved an Operating Result of \$40.5 million equating to 6.6% of Operating Income (9.2% in 2015). The Operating Result was assisted by the Commonwealth Government's reversal of the 3.25% Efficiency Dividend resulting in \$11m in funding being received relating to 2015 and 2016.

Consolidated Operating Income was \$609.3 million (2015 \$607.6m) with increases in Teaching Income being offset by a reduction in Other Revenue. Teaching Income grew by \$27.4 million, or 6.3%, achieved through increases in both Commonwealth Supported Places and International Student Fee Revenue. Other revenue decreased by \$27.9m due to 2015 including one-off Capital funding of \$10.6 million and a surplus on the disposal of assets of \$11.3 million.

The 2016 result was achieved through moderate growth in Teaching Income and prudent cost management despite ongoing under-indexation of Commonwealth funding relative to cost escalation.

The consolidated financial position remains sound, with Total Cash of \$317.8 million at 31 December 2016 (\$343.0 million in 2015) enabling funding of current committed capital projects from cash reserves. Total Assets increased by \$103.0 million to \$1.2 billion mainly due to the ongoing construction of the University's Health Innovation Building and Pridham Hall (\$84.9 million), as well as the triennial valuation of Land and Buildings, which resulted in a \$51.0 million increase in the value of Land and Buildings held by the University.

The South Australian Auditor-General qualifies the financial report on the basis that the University treats external research funding with specified conditions as 'income in advance' and recognises it as a liability on the Statement of Financial Position. The University believes that recognising the research funding in the year the conditions are satisfied presents a true and fair view of the operations and cash flows for the year. In the Auditor-General's opinion, the grants should be treated as income when received. The University's treatment resulted in the deferral at the end of 2016 of \$25.0 million in unspent funds (2015: \$25.9m).

See financial statements, page 88.

2016 Year in Review

UniSA NAMED AS #24 IN THE
WORLD'S TOP 50 UNIVERSITIES
UNDER 50 YEARS OLD

QS WORLD UNIVERSITY RANKINGS 2016

TIMES HIGHER EDUCATION'S LIST
OF WORLD UNIVERSITIES PUTS US
IN THE WORLD'S TOP 2% FOR 2016

THE WORLD UNIVERSITY RANKINGS,
INTERNATIONAL HANDBOOK OF UNIVERSITIES 2017

We began the year planning birthday parties. In our 25th year as a university we were again acknowledged as one of the world's best young universities when QS ranked us in their World's Top 25. Times Higher Education moved us up two bands in their World University Rankings and we now sit in the top 2 per cent. We were also named as one of Asia's 75 Most Innovative Universities by Thompson Reuters and we were the youngest Australian university to make the Nature Index 2016 Rising Stars listing for the Asia Pacific Region.

We spent the year producing students who take part in the global economy as its new professionals. They are prepared to become valuable future employees who can keep up with changes in business and industry and add value to the business they're in.

In our research we are focused on understanding our society and creating solutions for the problems it presents using our interdisciplinary research strengths and partnering with industry and the community in bringing about new knowledge with real-world impact.

And we increased the partnerships that keep us at the cutting-edge of teaching and research. We joined forces with Calvary Hospital to create a new UniSA Clinical School to expand health education and research opportunities; our Centre for Cancer Biology partnered with A*Star, Singapore's Agency for Science Technology and Research, to better understand cancer and improved treatments; and the University partnered with China's D&R Pharmaceuticals to support the development of new drugs and treatments in stem cell biology and drug reformulation technology.

We also launched several exciting and valuable new ventures: the Centre for Islamic Thought and Education to promote the understanding of an old religious and cultural institution; the King Sejong Institute which will become a hub for Korean culture, business and language education; a new Midwifery Clinic that offers personalised maternity care; a new nursing research centre, the Rosemary Bryant AO

Research Centre; and a new Health Hub which was the first facility in Australia to deliver a coordinated cancer and chronic disease prevention service.

Midway through the year we stopped briefly to officially celebrate our 25th birthday at a Gala Dinner which managed to raise \$500,000 for our scholarship fund.

We were also given the largest single donation we've ever received, a \$5 million contribution to our new Great Hall, from alumnus Andrew Pridham. That donation attracted a further \$1 million from the State Government to fund scholarships for high achieving sports people and for high achieving Aboriginal students.

We also went back to the source of much of our energy – our community. In May we held Unijam 2 just to check our progress against our Strategic Action Plan. Nearly 5,000 total registrations from staff, students and supporters made almost 12,000 posts that supported our trajectory and urged us to keep going. The topics that really caught their interest were engaging with our students and our communities; developing a culture of excellence and commitment; and educating exceptional graduates.

That's what we're here for.

7 PROMISES WE MADE AND HOW WE KEPT THEM

In 2014 the University of South Australia began to put in place all the initiatives that were highlighted in our action plan, *Crossing The Horizon*, focusing on the actions that we will take to shape our future and to be a University of Enterprise.

Crossing The Horizon outlined seven action steps we would take to deliver the goals we set ourselves.

Action Set 1: Enhanced educational offerings and an outstanding student experience

Action Set 2: Industry and end-user informed research, supporting an industry relevant curriculum

Action Set 3: Increased human capital in the classroom and increased efficiencies beyond

Action Set 4: Transformational infrastructure enriching the fabric of our institution

Action Set 5: Engagement with society beyond the classroom and campus

Action Set 6: A globally visible University with global reach and leverage

Action Set 7: Key enablers and supports





CROSSING THE HORIZON: OUR PROGRESS



Action Set 1

Enhanced educational offerings and an outstanding student experience

NUMBER ONE IN SA FOR STUDENT SATISFACTION

QILT: COURSE EXPERIENCE QUESTIONNAIRE
2015-2016 OVERALL SATISFACTION ITEM

SA'S NUMBER ONE UNIVERSITY FOR GRADUATE CAREERS

QILT: GDS AND GOS COMBINED
2014-2016 FULL-TIME EMPLOYMENT INDICATOR

In our strategic action plan, Crossing the Horizon, we committed to designing and delivering curriculum that is relevant and of high quality, delivering excellent outcomes for graduates in an educational environment that allows our students to make the most of their student experience. Here's what we did in 2016.

RESPONDING TO STUDENT NEEDS AND IDEAS

UniSA held 17 focus groups with students, staff and industry representatives during 2016 to identify the key elements of the student experience (pictured). Brainstorming and collaborative techniques helped us to better understand how students want to engage during their university journey and to capture ideas for improving our services and support.

As a result, we launched **UniSA+** during Orientation Week in February 2016. This new program provides an overarching framework for acknowledging student participation in a wide range of extra-curricular activities offered across the University. It is built around three pillars: *Leadership and Enterprise*, *Social and Global Engagement* and *Self-Development*.

- *Leadership and Enterprise* requires students to participate in approved programs that have a focus on leadership development, enterprise or entrepreneurship.
- *Social and Global Engagement* involves voluntary participation in activities with community organisations. Students are encouraged to seek opportunities with organisations that have a global reach and to actively develop their understanding of global and cultural issues.
- *Self-development* requires students to participate in activities that will develop their personal and professional skills and aid their overall employability.

Students have also asked for more learning support after hours. In response, since April we partnered with **YourTutor** to introduce two new services:

- **Connect Live** provides live online advice on academic writing, referencing, maths, first year level accounting, statistics and economics. It is available from 3pm to midnight, Sunday through Friday.
- **Checkmate** lets students upload assignments for feedback on academic writing and referencing.

ENHANCING THE DIGITAL EXPERIENCE

In line with the UniSA *Digital Learning Strategy 2015-2020*, during 2016 UniSA launched three initiatives to provide academic development opportunities in key areas.

- 26 scholarships were awarded for academics to participate in the new Graduate Diploma in Education Studies (Digital Learning) in 2017. The program provides practical and theoretical knowledge to support engaging and effective learning and teaching practice across UniSA.
- A Teaching Excellence and Leadership Program was introduced to provide academic staff who have demonstrated high performance in teaching with the opportunities, experiences and skills to become teaching leaders, local change agents and champions of innovative, self-reflective practice. There were 23 participants from the Divisions and UniSA College in the first year.



- A mandatory Summative Peer Review of Teaching was introduced for all staff applying for academic promotion, on probation or participating in the performance development and management process. During 2016, 70 academic staff and 59 trained peer reviewers participated.

Professional and academic staff also were offered two other development opportunities.

- More than 460 staff participated in the UniSA **Teaching and Learning Breakfast Series** during 2016. The nine sessions covered topics as diverse as text analytics, digital literacies, e-assessment, Universal Design for Learning, blended and flipped learning, and video in higher education.
- The inaugural international **Digital Learning Week** comprised 17 events across four campuses and featured leading scholars in the fields of digital learning and learning analytics. Activities included keynote addresses, learning cafés, workshops and opportunities to experiment with emerging learning technologies and learning how such technologies are transforming teaching and learning practice. More than 600 people from local and interstate universities, VET providers, schools and industry attended, with international universities joining in online.

FUNDING NEW TEACHING TECHNOLOGIES

The Digital Teaching Equipment Fund supports investments in innovative teaching equipment, resources and applications that provide students with authentic learning experiences, more flexible and personalised learning opportunities and exposure to leading-edge systems and technologies.

During 2016, 20 projects worth about \$320,000 were funded. These included purchase of 3D

printers, virtual and augmented reality devices, computers, discipline-specific software, Green Screen recording studios, upgrades to game and Mac laboratories and collaborative teaching spaces.

More than 1100 Online Educational Designer-assisted Green Screen Studio Recordings were created between January 2015 and July 2016. Since 2015, professional video production across the University is estimated to have increased by nearly 50 per cent.

BUILDING EXCITING NEW PARTNERSHIPS

We continue to build our partnerships with external organisations to provide new opportunities for our students. There were three developments of note during 2016.

The **Leaders Institute of South Australia**, which runs the Governor's Leadership Foundation and a range of other leadership programs, relocated to our City West Campus after forming an alliance with UniSA Business School (pictured).

This is a significant step in our mission to support the development of leaders in all sectors of the economy in growing their own careers as well as in growing South Australian companies and organisations to create a vibrant future for the region.

We expanded our partnership with **Calvary Health Care Adelaide**, one of the State's largest private health care providers. Under a new MOU, we will jointly explore the development of a new UniSA Clinical School to be located initially at Calvary Wakefield Hospital in the Adelaide CBD before moving to the new \$300 million Calvary Adelaide Hospital in early 2019.

ABOVE LEFT/ PROFESSOR MARIE WILSON, PRO VICE CHANCELLOR (BUSINESS AND LAW) UniSA BUSINESS SCHOOL WITH COLIN DUNSFORD AM, CHAIR OF THE LEADERS INSTITUTE BOARD

ABOVE RIGHT/ STUDENT FOCUS GROUPS





4



5



6



7



9



8

1/ 2/ AND 3/ STUDENTS ON CAMPUS

4/ CITY WEST INTERNATIONAL DAY

5/ O-WEEK INTERNATIONAL STUDENT WELCOME DAY

6/ UNISA SPORT AT MAGILL CAMPUS DAY

7/ 8/ AND 9/ O-WEEK AT CITY WEST CAMPUS

AWARD AND SCHOLARSHIP WINNERS

- Midwifery student **Brooke Michalanney** received the 2016 Cochlear™ Graeme Clark Scholarship for Australia and New Zealand. The scholarship is awarded to an outstanding person who has received a Cochlear™ implantable hearing solution.
- Journalism and Arts (International Relations) student **Shamsiya Mohammadi** won the 2016 CAS Hawker Scholarship, one of the most generous privately funded residential scholarships available to Australian students. Originally from Afghanistan, Shamsiya hopes to develop a career as a Foreign Correspondent in Afghanistan.
- Final year student **Cara Kolopelnyk** was named the 2016 Pharmaceutical Society of Australia (PSA) Pharmacy Student of the Year. Cara edged out seven other state, territory and wildcard finalists in the national final at the PSA annual conference in Sydney.
- Fourth year Bachelor of Laws/Bachelor of Commerce (Accounting) student **Grace English** won the national Ernst and Young 'Young Tax Professional of the Year' competition, which took her to Amsterdam to represent Australia.
- School of Law PhD candidate **Marcelle Burns** was the 2016 recipient of UniSA's Vice Chancellor's Development Fund Indigenous Student Award.
- **Muhammad Reefath Rahman** won the StudyAdelaide Entrepreneurship & Innovation Award (International Student Awards 2016).
- Master of International Business and Marketing student **Mohamed Nabil Imran** won \$1,000 and took second place at the annual Merdeka Gala Dinner awards. The event, arranged by the Australia-Malaysia Business Council, awards three top Malaysian students studying in Australia.
- UniSA Law School graduate **Elliot King** and current student **Lachlan Merrigan** have been offered internships with the United Nations. They will work in Cambodia as assistants to the prosecutors who continue to pursue the former Khmer Rouge.
- **Pavlina Jasovska** a PhD candidate in the School of Commerce was selected by the Australian Academy of Science selection panel to participate in the Australian-French Entrepreneurship Challenge 2016.

Calvary already provides more than 47,000 experiential placement hours for UniSA students in nursing, podiatry, physiotherapy and occupational therapy. The expanded partnership will give students the opportunity to work with the most gifted doctors, specialists and nursing staff in a hospital that has built a reputation for excellence and patient-centred care.

We also expanded our partnership with **Rising Sun Pictures (RSP)**, the award-winning Adelaide company that provides visual effects for blockbuster movie franchises such as *Harry Potter*, *Lord of the Rings*, *X-Men* and *The Hunger Games* and offers placements and mentoring opportunities to our undergraduate students.

RSP and UniSA are now co-delivering an intensive 12-week Graduate Certificate in Visual Effects that provides opportunities to work on real-world VFX challenges in a simulated production environment.

DEFENCE EDUCATION AND TRAINING

The University of South Australia's industry collaborations include our partnership with University College London, facilitated by the Future Industries Institute.

University College London and the University of South Australia are building a strong relationship that recognises UCL's acknowledged world leading strengths in Naval Architecture and Maritime Engineering.

UniSA's flagship Masters in Military Systems Integration has educated generations of defence sector professionals, and the university's partnership with University College London will further increase the capacity for defence education and training.

SUPPORTING REGIONAL STUDENT SUCCESS

Regional students benefited from funding of almost \$300,000 to encourage and support them in their academic pursuits, thanks to the successful provision of a grant awarded to the University through the **Higher Education Participation and Partnerships Program (HEPPP)**.

Allocated from the 2016 National Priorities Pool component of HEPPP, the funding was used by UniSA College for a project entitled *Promoting academic success and well-being: Enhancing regional students' engagement, success and well-being through the use of innovative early intervention strategies*.

The project, piloted and implemented in UniSA's Whyalla and Mount Gambier campuses, will see the development of resources, including a web resource that will provide a training package for regional staff to deliver support services related to academic literacies, engagement and well-being of students.



WORKING IN THE COMMUNITY

Twenty-two South Australian community organisations now have new websites thanks to the **Sustainable Online Community Engagement (SOCE) Project**, a joint initiative of our School of Communication, International Studies and Languages and the State Government's Office for Volunteers.

Twenty-eight web design students were matched with organisations that had neither the skills nor the resources to produce the digital tools necessary to support their communities.

The successful SOCE program has been running since 2001, with 650 UniSA students benefiting from being exposed to a real client/developer project relationship while working with one of 400 different community groups.



STUDENTS PARTICIPATE IN UNIQUE SOCIAL MEDIA CHALLENGE

UniSA was one of only two universities in Australia and 95 worldwide to participate in #stopISILation, a global social media campaign designed to combat violent extremism.

'Peer 2 Peer Challenging Extremism' was commissioned by the US State Department and backed by Facebook. The idea behind #stopISILation is to connect young people who are at risk of engaging in violent extremism to proper support networks and educational resources.

The 16-strong UniSA team brought together students from different academic disciplines, including journalism, marketing, graphic design and information technology. They developed a social media agency called 'The Link Collective'.

STATE GOVERNMENT FUNDS NEW PERPETUAL SCHOLARSHIPS

Inspired by the gift of \$5 million from entrepreneur and UniSA alumnus **Andrew Pridham** to help build Pridham Hall (full story page 42), the South Australian Government provided a further \$1 million to create two new perpetual scholarship programs.

The UniSA Elite Athletes International Excellence Scholarship will assist high achieving sportspeople to further their education at UniSA.

The Goodes O'Loughlin UniSA GO Scholarship will recognise outstanding academic merit by high achieving Aboriginal students and help fund their further education at UniSA. Adam Goodes and Michael O'Loughlin (pictured) were marquee AFL players with the Sydney Swans. They co-founded the GO Foundation to provide scholarships for Indigenous students to attend prestigious schools.

OUR 25th BIRTHDAY GIFT TO YEAR 12 ACHIEVERS

UniSA's 25th Anniversary Academic Merit Scholarships were presented to 25 students who achieved some of the highest ATARs in South Australia after completing Year 12 in 2015 and subsequently began studying at UniSA.

The top prize, the 25th Anniversary Outstanding Achievement Scholarship worth up to \$40,000, went to Bachelor of Pharmacy student **Hope Stahl** (pictured), a graduate of Modbury High School who achieved an ATAR of 99.95.

The other 24 recipients received a \$5,000 grant to support their education and living expenses while they are studying.

ABOVE LEFT/ UniSA VICE CHANCELLOR DAVID LLOYD WITH HOPE STAHL, RECIPIENT OF THE 25th ANNIVERSARY ACADEMIC MERIT SCHOLARSHIP.

ABOVE RIGHT/ CO-FOUNDER OF THE GO FOUNDATION MICHAEL O'LOUGHLIN WITH ANDREW PRIDHAM, PREMIER OF SOUTH AUSTRALIA JAY WEATHERILL AND UniSA VICE CHANCELLOR DAVID LLOYD. PHOTOGRAPH BY AISE DILLON PHOTOGRAPHY.

CELEBRATING A GRADUATIONS MILESTONE

In April UniSA's 150,000th graduate **Sally Perrin** (pictured), crossed the stage at graduation ceremonies to receive her Bachelor of Psychological Science.

Sally is the kind of student for which UniSA was founded 25 years ago. She had a passion to learn, but her background previously would have been a huge barrier to university entry. She left home before completing high school and had to earn her own living from the time she was 15 years old.

Sally completed her degree part time over six years and is now enrolled in an honours degree in psychology with a clear plan to continue to Masters or PhD study.

VC REWARDS THE BEST OF THE BEST

Seven of our best PhD students were rewarded for their efforts when they each received a \$10,000 **Vice Chancellor and President Scholarship**.

They were selected from the 147 students who began a PhD in 2016. The winners were:

- **Rebecca Callahan** and **Gipsy Hosking**, School of Psychology, Social Work and Social Policy;
- **Ellen Scott**, School of Communication, International Studies and Languages;
- **Stephanie Mills**, School of Information Technology and Mathematical Studies;
- **Seung Ho Lee**, School of Engineering;
- **Amy Wilson**, School of Marketing; and
- **Melissa Bennett**, Centre for Cancer Biology.

DIVISION HIGHLIGHTS

The UniSA Business School

EXECUTIVE PARTNERS PROGRAMME

The School's Executive Partners (EP) Programme was expanded in 2016 to give all Masters coursework students access to high-quality mentoring for career development. Executive Partners include current and former CEOs of major corporations and not-for-profit organisations, a Queen's Counsel and numerous executives with international experience.

A VIEW FROM THE TOP

Complementing the EP initiative, in 2016 the School introduced *View from the Top*, an exclusive seminar and networking series that connects executives and thought-leaders with UniSA MBA and postgraduate students, alumni and high achieving final-year undergraduate students.

PEDAGOGY-GO!

The School's Online Educational Designers pioneered "pedagogy on the go" through location-based mobile learning games. The games were developed as a mobile app, allowing students to explore the Adelaide West End through a *Business and Society* lens as part of their course experience.

SUN, SURF AND THE OUTBACK

Learn How to Surf Camp was one of the initiatives offered by the Student Engagement Team to give international students a taste of Australian culture. The camp combined activities such as tasting local South Australian cheese, visiting a wildlife sanctuary and camping under the stars with two days of guided surfing lessons.

COMMUNITY GARDENS

In 2016, the School developed a project for students and staff to set-up a community garden on the rooftop between the Kaurana and Hawke buildings on the City West Campus. Along with gardening activities, a weekly free lunch was provided utilising local cafe/restaurant businesses.

DIVISION HIGHLIGHTS

Education Arts and Social Sciences

DESIGN AND CONSTRUCT PROGRAM

The School of Art, Architecture and Design began a new Design Construct Program at Fish River in the Northern Territory in July 2016. As with a similar project at Nepabunna in 2015, the aim is to develop accommodation for Indigenous rangers in these remote locations. Both projects are linked to the Australian Government's *Working on Country* program and funded by the Indigenous Land Corporation. The aim is to employ traditional land owners to conserve and sustain their cultural and environmental heritage.

The Design Construct Program also is working with UniSA alumni **Oli Scholz** and Nature Foundation SA on the development of a scientific research centre and accommodation on Witchelina Station in South Australia's mid-North. The project was initiated in 2016 as an Architectural Design Studio project involving 90 third year architecture students.

JOURNALISM IN ACTION

UniSA was part of **UniPollWatch**, an initiative of the Journalism Education and Research Association of Australia that saw university journalism students and staff provide coverage of the 2016 Federal Election, via online and social media platforms, in partnership with *Guardian Australia*. Our students produced stories about the electorates of Barker, Grey, Hindmarsh, Kingston, Mayo and Sturt.



EASS WORKING OFFSHORE

Three exciting projects saw students work offshore with local populations during 2016.

In **Vanuatu**, the School of Art, Architecture and Design is engaging with the Port Resolution community on Tanna Island to help build low impact eco-tourism accommodation as part of the Division's Design and Construct Program. The **Port Resolution Community Project** was initiated in 2012 by the island's Chiefs to generate income for youth education and help communities retain ownership of their land. Our students made three trips to Tanna in 2016 to work on the first three bungalows. They raised the funds to pay for materials and local contractors.

In **Vietnam**, the **Hue Citadel Project** brings together Australian and Vietnamese architecture and urban/regional planning students to address real-world development and management issues in the Hue Citadel UNESCO World Heritage Complex. With support from the Hue Monuments Conservation Centre, student projects directly contribute to the development of better management practices and governance models.

In **Beijing**, eight Master of Architecture students and two Bachelor of Architectural Studies students completed a study tour and short-course Masterclass design studio as part of a **Student Mobility Project** supported by five Australian Government-funded Endeavour Mobility Grants. They worked with 10 Master of Architecture students from Beijing University of Technology to research the streets around Beijing's 'old' city to better understand the social plight of displaced low socio-economic and migrant groups in the area.

CELEBRATING SUCCESS

- **Dr Fiona O'Neill** was awarded the 2016 Michael Clyne Prize for best postgraduate research thesis in the area of immigrant bilingualism and language contact.

- School of Education lecturer **Martyn Mills-Bayne** won the School and Division Student Choice Excellent Teacher Award, recognising his engagement with students in class, as well as through initiatives such as the Celebrating Cultural Diversity program, Professional Communities initiative, and MENTor Program for Males in ECE.
- Aspiring political journalist and final year UniSA student, **Ashleigh Pisani**, was awarded the Julie Duncan Memorial Award for Student Journalism at the 2016 South Australian Media Awards.
- Design student **Hannah Jordan** has not only had her award-winning eyewear design added to the collection of international designer Jono Hennessey Sceats, but she was also offered a 12-month internship at the company's head office in Sydney.

DIVISION HIGHLIGHTS

Health Sciences

FIRST ABORIGINAL PHARMACY GRADUATE

In April 2016, **Sarah Logan** (pictured), became the first Aboriginal student to graduate from the Bachelor of Pharmacy program. She has secured a position as a pharmacy intern at Lyell McEwin Hospital.

80,000 WORDS IN THREE MINUTES

PhD student and physiotherapist **Dr Joel Fuller** won the UniSA Three Minute Thesis Award for his presentation *A Guide To Selecting Running Shoes Based on Body Mass*. The national competition challenges a university's top PhD students to present their 80,000-word thesis topic in 180 seconds. **Lih Yin Tan** from the School of Pharmacy and Medical Sciences won the People's Choice Award for her presentation, *Mission Immune Possible*.

ABOVE LEFT/ UNISA GRADUATE SARAH LOGAN WITH PROFESSOR ALLAN EVANS

ABOVE RIGHT/ VICE CHANCELLOR PROFESSOR DAVID LLOYD WITH UNISA'S 150,000TH GRADUATE SALLY PERRIN AND UNISA CHANCELLOR JIM MCDOWELL

RESTHAVEN INDIGENOUS SCHOLARSHIP WIN

In July 2016 Whyalla student, **Malika Carter**, was awarded the Resthaven Indigenous Nursing Student Scholarship. This \$10,000 scholarship will help Malika, a proud Narungga/Barnjarla woman, complete her second and final years of her nursing degree and pursue her career goals in health.

GIVING BACK OVERSEAS

In November 2016 a group of nursing students visited the Cook Islands where they worked alongside local health professionals and nursing students to screen school children for Rheumatic Heart Disease. This gave students valuable experience in population health screening, collation and analysis of screening activity, and public health programs to reduce the incidence and consequences of this disease, whilst delivering an invaluable service to the community.

In Vietnam, midwifery students worked alongside local health professionals to provide antenatal, intrapartum and postnatal midwifery care. Students provided a range of quality health services for mothers including breastfeeding advice which was very much in demand.

A group of final year physiotherapy students visited rural India to provide free musculoskeletal physiotherapy services to patients unable to access or afford treatment. In collaboration with Volunteering India, students worked alongside local physiotherapists; helped children at a special needs school in Palampur and provided services to local communities in need.

STUDENTS GAIN INTERNATIONAL EDGE

A group of 16 third year Bachelor of Human Movement students with a passion for high performance sport visited various sporting organisations in the US for the first time in 2016. This unique experience allowed students to go behind the scenes and speak to the people who work at Nike International Headquarters and Red Bull North America Headquarters. Students also gained special entry to the University of Oregon's \$25 million cutting-edge Marcus Mariota Sports Performance Centre, which usually only permits access to those in the Oregon Ducks Football program. The tour allowed students to form industry connections overseas and cement their future career preferences.

NUTRITION AND FOOD SCIENCE ON THE ROAD

Final year Nutrition and Food Science students have the opportunity to hear from industry organisations and businesses as part of their studies. In 2016, students enjoyed specialist field trips to an Indigenous farm to learn more about Aboriginal food, Coopers Brewery and Taste Master. Final students also undertake a research project which is based on an issue highlighted by industry.

DIVISION HIGHLIGHTS

Information Technology,
Engineering and the
Environment

STUDENT SUCCESSES

- **Sarah Rich**, a second-year student studying the Information Technology (Honours) (Enterprise Business Solutions) program was selected for the Huawei Seeds for the Future Program in China. The two-week trip allowed her to undertake hands on ICT training and experience life at the Huawei global headquarters in Shenzhen. Sarah is only the second ITMS student to have been selected for this experience.
- Final year Information Technology students **Scott Moore, Mihir Lade, Jake Fiske** and **Ryan Scrimshaw**, were selected for the Huawei Seeds for the Future Program Innovation and Technology Training. The three-day residential program was held in Sydney and the students experienced hands on training at Huawei's national training and innovation centre, learnt about ICT trends from industry experts and visited one of Australia's largest carriers Network Operation Centre.
- Student **Lui Xuemei** (Carrie) was awarded the CHOOSEMATHS Grant to attend the 2017 AMSI Summer School at The University of Sydney. CHOOSEMATHS Grants provide funding to support women to build and extend their skills and professional networks by providing financial support to attend AMSI Flagship events.
- Five UniSA students were awarded national Defence Science and Technology Group Summer Vacation Placement Program Scholarships. Each received a \$7,195 scholarship and a 12-week internship at DST Edinburgh. The students and the projects they were involved with are: **Christian D'Orazio** (Cyber Assurance & Operations Project), **Andrew Du** (Land Vehicles and Systems Project), **Daniel Priaulx** (Weapons Guidance Technology Project), **Bridget Rossiter** (Information Integration Project) and **Saverio Tripodi** (Decision Sciences Project).
- PhD student **Demi Gao** (pictured), was awarded the Women in Engineering Prize in the IEEE Australia Council Postgraduate Student Paper Awards (2014) for her paper *Modeling electrode place discrimination in cochlear implants: Analysis of the influence electrode array insertion depth*.



UniSA College

LAUNCHED A NEW REGIONAL AND REMOTE INDIGENOUS PATHWAY PROGRAM

In January 2016 UniSA College launched the Indigenous Participation Pathway (IPP) program, delivered across three regional sites - Mount Gambier, Port Lincoln and Ceduna (pictured).

The Indigenous Participation Pathway is a one and a half year pathway program that supports students with no previous qualifications for university study and is open to all people who identify as Aboriginal and Torres Strait Islander and can lead to entry into a university degree at the University of South Australia.

Indigenous Participation Pathway builds the skills students need to study successfully at a tertiary level. All students undertake general courses to develop their tertiary learning, computing and academic literacy skills.

Additional mentoring and support is provided by local tutors and a designated Project Coordinator. Local tutors in the student's location and during off-site intensives, provide weekly tutoring assistance during the program. Students also have access to support from UniSA College staff, and online tutoring sessions which are held during the off-site portion of each course.

IMPLEMENTED A TAILORED AND PERSONALISED ORIENTATION

College enrolment sessions implemented new diagnostic literacy and numeracy assessments in order to advise students more effectively on course selection and future Undergraduate program choice in light of career aspirations and to provide students with an individualised orientation to the university.

The College successfully implemented 5 new courses developing discipline knowledge relevant to associated undergraduate programs. Student and undergraduate teacher feedback has consistently described the

depth of knowledge students bring to undergraduate study from studying the following courses

- Introduction to Anatomy
- Introduction to quantitative skills
- Economics and Finance
- Communication for Academic Purposes
- Introduction to Human Behaviour

Complimenting these courses and to better support student learning and well-being UniSA College implemented the learning thermometer into University Studies as a means of supporting students to monitor their welfare.

All academic program enrolment, retention and progression targets were met and strong student satisfaction data reflected the quality of instruction and the highly supportive learning environment nurtured and sustained by the UniSA College lecturers, tutors and professional staff.

HOSTED THE INAUGURAL NAEAA SOUTHERN SYMPOSIUM

The national profile of the University of South Australia as a quality provider of enabling education was reinforced through staff presentations at a number of conferences, through research and through publications. This profiling included the December Fabenz Conference and the NAEAA Southern Symposium hosted by UniSA College 22nd and 23rd September 2016 where members of the College presented on their work, their research and the philosophy underpinning the way the College works addressing the concept of Open Access- Balancing equity, excellence and ethical practice in enabling programs. The power of the student and staff contributions demonstrated the positive culture and respectful relationships which direct the way the College operates.

ABOVE LEFT/ DAPHNE AND KATHRYN HAVE TRAVELLED DOWN FROM ERNABELLA IN THE APY LANDS TO ATTEND THE IPP PROGRAM IN CEDUNA.

ABOVE/PHD STUDENT DEMI GAO

Industry and end-user informed research, supporting an industry relevant curriculum

WE WERE THE YOUNGEST AUSTRALIAN
UNIVERSITY TO MAKE THE NATURE
INDEX 2016 RISING STARS LISTING
FOR THE ASIA PACIFIC REGION

In our strategic action plan, *Crossing the Horizon*, we committed to engage meaningfully with our peers, industry and the community, undertaking research that is informed, leading edge and relevant. Our focus will be on the quality and relevance of our research outputs, not the inputs. Here's what we did in 2016.

NEW STRATEGY SIGNALS INTENT

Inspired Partnered Excellence, the University's five-year *Strategic Plan for Research and Innovation* was released in 2016. Developed through a year-long consultative process, it is the blueprint to achieve the University's vision for research inspired by challenges and opportunities, partnered with end-users and communities, and underpinned by excellence.

The plan builds on the action sets from *Crossing the Horizon*. In particular, it expands on our intent to "deliver industry and end-user informed research, supporting an industry-relevant curriculum," including work to embed a thematic approach to research themes, build on our research strengths, and deliver a transformed PhD.

There are five defining pillars and strategic goals:

- **Research Culture:** vibrant, outward-facing and responsive.
- **Research Leadership:** high performing research leaders who shape research directions, inspire others and lead them to success.
- **Research Excellence:** scale and focus in areas of research strength and seeding new capacity.
- **Research Partnerships:** effective partnerships with the end-users of our research.
- **Research Translation:** as the University of Enterprise we aspire to be a national leader in research translation for real world outcomes.

COMMERCIALISATION ARM REVAMPED

The University also moved to fast-track the development of high potential innovations during 2016 by refining our commercialisation arm, **UniSA Ventures**.

UniSA has always had strong connections with industry and supported innovation and improved outcomes in everything from sustainable primary production, right through to best practice in education and new treatments for cancer.

The launch of commercial operations under the new banner of UniSA Ventures is a significant change in how we operate and introduces much greater flexibility.

New principles and the removal of barriers around IP have already paid dividends, through the evolution of three new companies and the entrepreneurial endeavours of both staff and students with high potential ideas.



IMAGES OF RESEARCH: PHOTOGRAPHS THAT MAKE YOU STOP, LOOK AND ASK QUESTIONS

In 2016 the second Images of Research competition unveiled some stunning images of the research being undertaken at UniSA.

The winner in 2016 was **Ms Gertrud Hatvani-Kovacs**, a PhD Candidate in the School of Information Technology and Mathematical Sciences.

Her image, *House in the urban heat island* (pictured), captures a black wall during a heatwave absorbing solar radiation. The trapped solar gain is emitted back to the microclimate later at night, contributing to the urban heat island effect. The composition and subject of the image are notice that we are responsible for our microclimate.

ADVANCES IN TREATMENT FOR BRAIN CANCERS

New research from UniSA and SA Pathology's Centre for Cancer Biology (CCB) could support more effective chemotherapy treatment for one of the most lethal brain cancers, Glioblastoma.

In June the research received a boost of \$68,000 from the Neurosurgical Research Foundation (NRF), allowing leading brain cancer researcher, Prof Stuart Pitson, to take his work one-step closer to clinical application.

As head of CCB's Molecular Signaling Laboratory, Prof Pitson and his team examine the molecular mechanisms controlling the growth and survival of cancer cells with the goal of developing new agents to target these mechanisms for anti-cancer therapy.

Glioblastoma is one of the most aggressive forms of brain cancer and is especially resilient to treatment. Treatment is generally a combination of surgery to remove as much of the tumour as possible, followed

by radiotherapy and chemotherapy and often after all of that, life is extended by just a few months.

Glioblastoma is quite resistant to radiotherapy and chemotherapy because the metabolism of lipids is defective. Prof Pitson's team at CCB found what they call a 'survival protein', which protects it from these treatments.

UniSA INTELLECTUAL PROPERTY PRINCIPLES

In 2016 UniSA released the principles that guide our activities around intellectual property.

The University of South Australia is committed to the effective management and transfer of intellectual property developed by our research to our partners. We offer a pragmatic and flexible approach to working with our partners and to ensuring the outcomes of research have every opportunity to deliver economic, social and environmental benefits to our industry collaborators and entrepreneurs in Australia and internationally. We are committed to working in an agile and nimble way that respects the (often tight) timeframes and unique requirements of our partners and to meet these to the utmost of our ability.

Our approach to managing intellectual property is based on the following principles:

1. We embrace partnerships with external parties who are positioned to create outcomes from our research, whether this be end-users who have partnered with us in conducting or proposing the research, entrepreneurs or companies who can provide a pathway to markets.
2. Intellectual Property ownership and commercialisation leadership will be assigned to the party deemed best placed to drive commercial outcomes.

ABOVE LEFT/ ECOJET ENGINEERING, RECIPIENTS OF VENTURE CATALYST FUNDING

ABOVE RIGHT/ MS GERTRUD HATVANI-KOVACS WINNING ENTRY IN THE 2016 IMAGES OF RESEARCH COMPETITION, *HOUSE IN THE URBAN HEAT ISLAND*.

CANCER FIGHTING RESEARCH MOVED TO MARKET

When then PhD student **Dr Aidan Cousins** was exploring the potential of magnetic tracers for cancer detection, he hoped the research would ultimately help make cancer treatments more accurate and more accessible.

With his supervisor in the Future Industries Institute, **Associate Professor Benjamin Thierry**, he developed magnetic tracers that can be used instead of traditional radioactive agents and a new magnetometer cancer probe with five times the accuracy of current methods, at a fraction of the cost.

The technology offers logistical benefits for hospitals. The switch to magnetic tracers means there is no need for the specialised rooms, equipment and training currently required for radioactive agents. Magnetic tracers have a much greater shelf life than radioactive agents – years rather than hours –reducing storage and supply complications and costs.

Both factors mean it is likely that smaller and regional hospitals and medical services will be able to employ the technology locally, reducing stress and expense for cancer patients who would otherwise have to travel to major city hospitals for treatment.

Working with the support of UniSA Ventures, UniSA's commercialisation company, the FII team joined forces with New Zealand based nanoparticle specialist **Boutiq Science** and IP investor **Powerhouse Ventures** to develop the improved system for cancer detection for the market.

Boutiq Science has refined the development of next generation magnetic tracers, capable of delivering magnetic fields up to three times that of other magnetic tracers. Together the new tracers and the new ball point pen-sized probe have huge potential to create a powerful system that will solve a real problem in healthcare, and has an estimated market of US\$300-\$450 million.

A new company, Ferranova Pty Ltd, has been established in South Australia to take the innovations and develop them into a system that clinicians and cancer patients can benefit from as soon as possible. A pilot clinical study will start in the first half of 2017 in the lead up to full commercialisation of the technology.

3. Our interactions with research end-users will be governed by a transparent and user-friendly system that supports and encourages engagement using a range of flexible models.
4. We provide open access to our Intellectual Property Policies and Standard Commercial Agreements, to provide a simple and transparent framework.
5. All partnerships and resultant commercial agreements will be developed and negotiated in a prompt manner and in keeping with these core principles.
6. We actively encourage and promote an entrepreneurial culture for our staff and students. This includes a system of supports to facilitate the creation of new ventures led by our staff and students or where they are actively involved.
7. IP Principles that provide clarity to partners, entrepreneurs (from outside and within the university) and staff about how they can engage with UniSA intellectual property.

VENTURE CATALYST SUCCESSES

UniSA's **Venture Catalyst** program won two 2016 Knowledge Commercialisation Australasia Research Commercialisation Awards.

The program, which supports student led start-ups and takes an 'IP and equity free' approach was acknowledged as the Best Entrepreneurial Initiative and also won the People's Choice Award.

Recipients of Venture Catalyst funding from both rounds held during 2016 were:

- **EcoJet Engineering** (pictured previous page) a business focussed on realising the potential of an innovative micro gas turbine design;
- **Voxiebox**, a new type of 3D holographic display;
- **Vinnovate**, a container closure aimed specifically at the wine industry;
- **Jemsoft**, a patented intelligent access control system called the portcullis that uses artificial intelligence and computer vision technology to analyse customers approaching a store in real time;
- **Myevidence**, a mobile investigations platform that allows digital evidence to be gathered and packaged for consumption by relevant agencies;
- **Analytix Software** (Analytix) a cloud-based machine learning company that provide technology solutions to a wide variety of industry sectors including manufacturing, defence, law, mining, oil and gas; and
- **MAATSUYKER**, a luxury wool men's apparel brand housed in the ICC with its origins in the MBA degree course. The brand has several innovations: some in product, others in service delivery.

The Venture Catalyst program is run through the Innovation and Collaboration Centre (ICC), a strategic partnership between UniSA, the South Australian Government and Hewlett Packard Enterprise (HPE) to support technology-based incubation and business growth. The ICC which celebrated its first birthday in November.



HELPING TO CREATE INDUSTRIES OF THE FUTURE

We celebrated the launch of our new **Future Industries Institute (FII)** (pictured), with tours of its \$60 million facilities at Mawson Lakes campus and a forum explaining how its research is making an impact in South Australia and beyond.

Led by **Professor Emily Hilder**, FII is focussed on four key areas with high potential for industry growth. It is a flagship for the development of new industries in minerals and resources engineering, biomaterials and nanomedicine, environmental sustainability, food security and energy and advanced manufacturing.

The South Australian Government has provided \$7.5 million to support FII's engagement with industries to develop new technologies, problem solve, innovate and build local industry skills and expertise.

Innovations include a new magnetic tracer system for cancer detection being developed to product stage through a spinout company (see page 26), the world's first fully plastic car mirror, and the development of semiconductor chips that can provide sophisticated drug, alcohol and disease detection.

CCB AND A*STAR IN A NEW RESEARCH COLLABORATION

An international expert in the relationship between chronic inflammation and the development of cancers is leading a new collaboration between UniSA, SA Pathology's Centre for Cancer Biology (CCB) and the Institute of Molecular and Cell Biology (IMCB) within the Agency for Science Technology and Research (A*STAR) in Singapore (pictured).

With a \$1 million grant from the Department of State Development through its South Australian Research Fellowship program (SARF), **Professor**



Vinay Tergaonkar joined the CCB team to lead cutting-edge research into inflammation in a variety of cancers and the development of new drug treatments to block inflammation selectively, rather than generically.

Prof Tergaonkar's appointment with UniSA underpinned a successful infrastructure grant of \$2 million from the Australian Cancer Research Foundation and attracted support from the Cancer Council SA and other funding bodies.

The collaboration provides access to scientific expertise, equipment, the sharing of data, and will support continuing research exchange opportunities between South Australia and Singapore, nurturing higher degree research students to undertake research into cancer therapies.

Prof Tergaonkar is a member of the external advisory council for the Center for Molecular Screening and Chemical Genomics at the University of Florida and in 2010 was nominated for the President's Science and Technology Medal in Singapore (the country's highest honour for research scientists).

HIGH ACHIEVERS

- **Professor Tanya Monro**, UniSA's Deputy Vice Chancellor: Research and Innovation, was appointed to the board of the CSIRO, Australia's leading science research organisation.
- **Professor Peter Murphy**, Leader of the Energy and Advanced Manufacturing strand of the Future Industries Institute, was awarded a prestigious 2016 Clunies Ross Award in the innovation category.
- **Dr Colin Hall**, who worked with Prof Murphy to develop the world's first lightweight plastic automotive mirror, was awarded the Prime Minister's inaugural New Innovator Prize.

ABOVE LEFT/ FII LAUNCH: (L-R) PROFESSOR EMILY HILDER, PROFESSOR TANYA MONRO AND PROFESSOR ENZO LOMBI.

ABOVE RIGHT/ LAUNCHING THE NEW JOINT LABORATORY (L-R) PROFESSOR ANGEL LOPEZ CCB CO-DIRECTOR, MINISTER KYAM MAHER, PROFESSOR WANJIN HONG EXECUTIVE DIRECTOR OF IMCB, PROFESSOR SHARAD KUMAR CCB CO-DIRECTOR AND PROFESSOR VINAY TERGAONKAR.

- **Professor Allison Cowin** and **Associate Professor Claudine Bonder** received Winnovation Awards, which showcase the successes of female innovators in South Australia. Prof Cowin won for work developing a new patented antibody-based therapy for skin cancer. Assoc Prof Bonder was recognised for research into technology that overcomes the body's rejection of implanted devices.
- **Dr John Arnold** and **Dr Tom Raimondo** received Young Tall Poppy Awards in South Australia. Dr Arnold was recognised for podiatry research that is investigating foot pain in osteoarthritis. Dr Raimondo's research is examining the geochemistry of fluids in deep parts of Earth's crust and their contribution to seismic activity and instability.

GRANT SUCCESSES

FUNDING FOR HEALTH AND MEDICAL RESEARCH

UniSA received almost \$14 million from the National Health and Medical Research Council (NHMRC) to fund fundamental and applied research looking at everything from genetics and personalised medicine to cancer treatments and the role of social technologies in healthy behaviour.

The funding covered 14 Project Grants and two Career Development projects.

AUSTRALIAN RESEARCH COUNCIL GRANTS

The University also received \$10.3 million in grants from the Australian Research Council. This comprised:

STUDENT RESEARCH SNAPSHOT

FIRST ORAL DEFENCE OF THE PHD AT UniSA

A major milestone in UniSA's transformation of the PhD was reached in 2016 when **Dr Joel Fuller** (pictured), became the first PhD student at the University to undertake an oral defence of his thesis.

Joel investigated the effects of different footwear on running performance and injury, under the supervision of **Professor Jon Buckley**, **Dr Dominic Thewlis** and **Dr Margarita Tsiros**. He received significant media attention for demonstrating that runners weighing more than 85kg are three times more likely to sustain an injury when running in lightweight running shoes, compared with when running in heavily cushioned shoes.

During his oral defence, Dr Fuller had the opportunity to discuss his research directly with the international experts who had examined his thesis and to develop connections for future collaborations.

PHD CANDIDATES INSPIRED BY REAL-WORLD PROBLEMS

Volunteering for the charity Lifeline led **Alexander Stretton** to his PhD research topic, investigating help-seeking by young adults in response to mental health symptoms. Supported by the Young and Well Cooperative Research Centre (CRC), and his supervisors **Dr Barbara Spears**, **Dr Carmel Taddeo** and **Professor Judy Drennan**, Alexander found that the way people attribute causes to symptoms may buffer against certain barriers to seeking help for to mental health concerns. This was particularly evident in those reporting elevated levels of psychological distress, suggesting that making correct attributions

can be helpful in the midst of a psychological problem. Alexander also identified differences between people's symptom attributions based on key demographic factors, pointing toward the possibility for targeted interventions and education campaigns.

PhD candidate **Abdullah Saed** is working with supervisors **Dr Siu Wai Ho** and **Associate Professor Albert Sung** to improve telecommunications systems in areas of high population density. He has developed multiple access schemes for visible light communication technology capable of supporting indoor positioning. This allows for very high speed internet connection and highly accurate indoor positioning suitable for tracking fast moving objects. Abdullah's research enables visible light communication systems which work efficiently in areas of high population density, mitigating the network congestion experienced by traditional Wi-Fi networks.

Marnie Winter, who has recently completed her PhD in the Future Industries Institute, has worked to improve the detection of disseminated cancer cells that leave the initial solid tumour either by blood or lymphatics and which may travel to distant sites and form secondary cancers. These cells are extremely rare and therefore, sensitive detection technologies are required. With her supervisory panel, **Associate Professor Benjamin Thierry**, **Professor Rachel Gibson** and **Dr Chia-Chi Chien**, Marnie optimised a number of enrichment, detection and characterisation technologies providing extra information on cancer and its spread.



- \$3.7 million for innovative research projects that tackled real world problems across industries, including manufacturing construction, health and water management; and
- \$6.6 million for research that benefits society. Fourteen different projects – three Future Fellowships, four Discovery Early Career Researcher Awards, six Discovery Projects and one Discovery Indigenous scheme – were supported.

ENERGY EFFICIENCY BOOST FOR REFRIGERATION MARKET

UniSA was awarded \$1 million by the Australian Renewable Energy Agency (ARENA) to develop a low cost energy storage solution using phase change material (PCM), which is set to benefit the commercial and industrial refrigeration market.

The funding will be used in a project by the Thermal Energy Storage Group in the Barbara Hardy Institute, in partnership with Glacem Cooling Technologies, the Solar Project Pty. Ltd., University of Lleida, Spain, and Newcastle University International Singapore.

A FOCUS FOR ISLAMIC ENGAGEMENT

The new **Centre for Islamic Thought and Education (CITE)** based at UniSA will be a hub for community empowerment through research, education and engagement.

Led by one of Australia's most respected Muslim academic scholars, public intellectual and religious leaders, **Professor Mohamad Abdalla**, CITE brings together researchers specialising in Islamic psychology, ethics and business, leadership and management, finance and education.

Its goal is to promote and encourage understanding of evidence-based knowledge of Islam and the issues facing Muslims in Australia and globally, through education and engagement with the wider Australian community.

INTERCONNECTEDNESS: OUR SHARED NARRATIVE

In his inaugural public lecture, *Interconnectedness: Our Shared Narrative*, **Professor Mohamad Abdalla** (pictured), marked the launch of CITE and explored the interconnectedness between Islamic and Western societies across history.

Citing threads of influence and convergence across history, Prof Abdalla emphasised how knowledge, science, art and understanding have been built by the interplay between cultures.

In fields such as astronomy Muslims such as Nasir al-Din al-Tusi and Ibn al-Shatir learned from the great Greek mathematician and astronomer, Ptolemy, then translated and added to his knowledge, inventing new mathematical models to correct Ptolemy's theories. Ultimately, their work was a huge influence on 16th century Polish mathematician Nicolaus Copernicus in devising his breakthrough heliocentric theory.

Acknowledging that we are experiencing a period of uncertainty where extremists from all sides are attempting to argue that Islam and the West are incompatible and cannot co-exist, Prof Abdalla said we need to debunk this fear-mongering myth, and work towards acceptance through wisdom, genuine engagement and appreciation of the 'other'.

ABOVE LEFT/ PROFESSOR MOHAMAD ABDALLA AT HIS INAUGURAL PUBLIC LECTURE, *INTERCONNECTEDNESS: OUR SHARED NARRATIVE*

ABOVE RIGHT/ DR JOEL FULLER

DIVISION HIGHLIGHTS

The UniSA Business School

GROWING THE DEMAND FOR AUSTRALIAN FINE WINE IN AUSTRALIA

Dr Justin Cohen, Dr Armando Corsi, Professor Larry Lockshin, Professor Johan Bruwer and Dr Richard Lee from the Ehrenberg-Bass Institute for Marketing Science received a \$287,690 grant from Wine Australia for a two-year project designed to help the Australian wine industry develop a successful and integrated strategy for growing the demand for Australian fine wine in China.

WORKING WITH SA'S AGED SERVICES SECTOR

Researchers from the Business School and EASS welcomed leading figures in SA's aged services sector to a workshop to hear the preliminary findings of a major data collection exercise into the state of ageing in South Australia. The study examined issues of labour supply and adequacy, the impact of land use planning laws, shifts in demand, the impact of Australian Government policy changes, expectations for the future and the impact of international investment.

THE ECONOMY OF WATER

Professor Lin Crase, Head of Commerce, is working with the Victorian Government and Melbourne Water authorities to clarify the link between the benefits of waterways and measurement techniques used by economists, which in turn inform management choices. The project aims to fill an important gap between the psychology and economics disciplines and the outputs should significantly improve the way waterways are valued and managed. Prof Crase has also been funded by the Australian Centre for International Agricultural Research to research and work with local policy makers and irrigation officials in regional India and Pakistan to improve analytical skills and understanding of policy makers and officials to result in improved water irrigation practices.

ISLAMIC LEADER'S FORUM

The Islamic Leader's Forum initiative grew from the tragic shooting of a NSW police employee in October 2015. The School of Law hosted the second in a series of community consultations, working with the Australian Federal Police's Counter Terrorism Unit.

DIVISION HIGHLIGHTS

Education, Arts and Social Sciences

INAUGURAL SIR TERRY PRATCHETT SCHOLARSHIP WINNER

James de Jesus Correia, an Arts Honours graduate from the University of Melbourne, was the first recipient of the Sir Terry Pratchett Scholarship established at UniSA in 2015. The \$100,000 scholarship will support him to undertake a Masters by research at UniSA's Hawke Research Institute and at Trinity College

Dublin's Long Room Hub. Mr Correia is keen to build on themes from the 22nd book in Pratchett's Discworld series, *The Last Continent*, published in 1998.

UniSA SHINES IN DESIGN AWARDS

UniSA dominated the Design Institute of Australia's 2016 SA/NT Graduate of the Year Awards.

Xing Zhou won the Industrial Design category and was overall State winner. **Henry Stentiford** and **Claudia Fernandez-Villasante** jointly won the Graphic Design.

Laura Searson (Interior Design) and **Luca Dichiera** (Industrial Design) received category commendations.

NEW TOOL FOR ORTHOPAEDIC SURGERY

Product Design student **John Nicholl** developed two new tools for orthopaedic surgeons. A specifically designed screwdriver provides better control when putting surgical screws in place, while a depth gauge allows a surgeon to determine the depth of holes for correct screw selection. The depth gauge is in the process of being patented.

WINNING STREAK FOR INNOVATIVE CALL BUTTON

The Nurse Call Pendant, an innovative call button created by UniSA Industrial Design staff and graduates in partnership with Hills Health Solutions, continues to turn heads, winning a prestigious Good Design Award.

The product also won a Red Dot Design award, with the design team picking up an award in the Medicine and Life Science category of the most respected design competition in the world.

Developed by a team including UniSA's **Dr Peter Schumacher, Dr Sandy Walker** and graduates **Daniel Weiss** and **Robert White**, the pendant was designed for easy use by people with arthritis and limited dexterity.

WATER WASTE MANAGEMENT PROJECT

Product Design lecturer **Andrew Whittaker** is part of a collaborative team working to develop a new water purification system for use where clean water is hard to access. The PuriBag project also involves UniSA's Future Industries Institute and the Adelaide-based company Vinnovate.

The concept is that water could be obtained from a contaminated source and placed into a flexible, reusable bag for processing in a two-stage process of flocculation and sterilisation. Mr Whittaker is developing a concept to use plastic film with special custom components to create the bag, seal and outlets.

PARIS – OR MURRAY BRIDGE – TO RIO

Media Arts lecturer **Dr Carolyn Bilsborow** and writer/producer/director Wayne Groom brought the legend of the Murray Cods to life through their movie *Paris or the Bush: the story of the Cods* – and it was one of just three films chosen to be shown in the Olympic Village to inspire Australian athletes during the Rio Games.



The film tells the forgotten tale of nine men from Murray Bridge, rowers who set off for the eighth Olympiad in Paris in 1924 with little money and deeply scarred by war, to take on the best from Italy, Argentina, Canada and Yale University to become World Champions of eight-oared rowing.

Associate Professor Angela Scarino has been appointed to Chair South Australia's new Multicultural Education and Languages Committee for three years.

VISITING FELLOWSHIP AT OXFORD UNIVERSITY FOR DR SARA MCLEAN

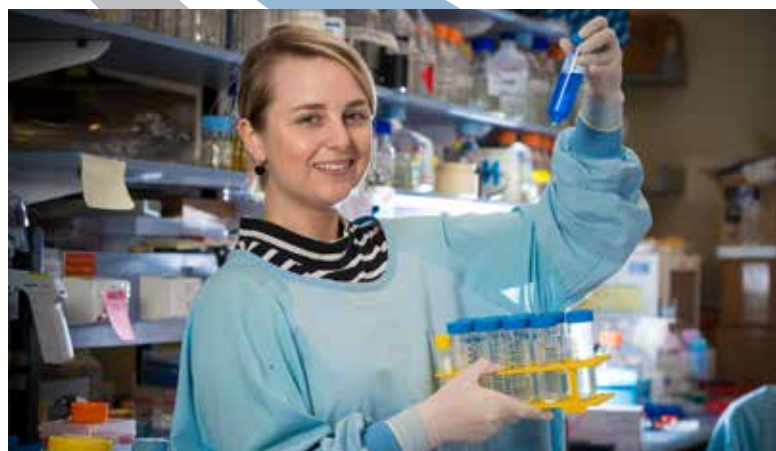
Dr Sara McLean undertook a Fellowship at Oxford University which was an opportunity to develop partnerships and further her research into the mental health and behavioural needs of children placed in care.

Dr McLean is a registered Psychologist and Research Fellow in UniSA's Australian Centre for Child Protection. She was based at the REES Centre for Research on Fostering in Oxford and contributed to a range of collaborative projects on the mental health and educational needs of children who are placed in foster care.

EMERALD AWARD FOR OCCUPATIONAL HEALTH AND SAFETY

UniSA researcher **Dr Valerie O'Keeffe** was recognised for her thesis about occupational health and safety for nurses in the international Emerald Awards.

Dr O'Keeffe, from the Asia Pacific Centre for Work Health and Safety in the School of Psychology, submitted a thesis titled *Nurses' sensemaking: the social context of occupational health and safety decision making*, the findings in which highlighted how nurses involved in patient encounters balanced their own safety with achieving quality patient care and high productivity.



DIVISION HIGHLIGHTS

Health Sciences

NATIONAL RECOGNITION FOR UniSA SONOGRAPHER

UniSA Sonographer **Associate Professor Kerry Thoires** (pictured), won two top honours at the Australasian Sonographers Association's annual awards presentation. She received the highest award for Sonographer of the Year – The Pru Pratten Memorial Award – and was named Researcher of the Year.

THE START OF A BRILLIANT CAREER

Dr Sophie Wiszniak (pictured), a post-doctoral researcher in the Neurovascular Research Laboratory at the Centre for Cancer Biology, secured the 2016 Mary Overton Early Career Fellowship, established to encourage a person of outstanding ability to make biomedical research a career.

Dr Wiszniak's fellowship will fund important research into a type of embryonic stem cell that can be responsible for congenital heart defects.

UniSA-INDUSTRY PARTNERSHIP SEEKS VACCINE FOR ZIKA VIRUS

The Experimental Therapeutics Laboratory within the Sansom Institute for Health Research is working with Melbourne-based biotech company Sementis Ltd to develop a vaccine to combat the Zika virus. A protective vaccine for mosquito-borne Chikungunya virus is now in the clinical manufacturing process.

Zika, according to reports from the World Health Organisation, is strongly suspected of causing birth defects and could infect three to four million people in the Americas over the next year. Already, Zika has been detected in 23 countries in the Americas.

The collaboration between UniSA and Sementis developed a protective vaccine for Chikungunya virus late in 2015. It is now finalising a contract for manufacturing

ABOVE LEFT/ UniSA SONOGRAPHER ASSOCIATE PROFESSOR KERRY THOIRS AT THE AUSTRALASIAN SONOGRAPHERS ASSOCIATION'S (ASA) AWARDS OF EXCELLENCE.

ABOVE RIGHT/ UniSA MID-CAREER RESEARCHER DR SOPHIE WISZNIAK

clinical grade material which will be tested in toxicity studies and early phase clinical trials, with a full vaccine development process taking many years.

Associate Professor John Hayball from the Sansom Institute for Health Research was awarded \$362,000 for an ARC Linkage Project with Sementis, to develop a multicomponent vaccine system to deliver equal effectiveness against several disease targets in a single administration.

NURSE RESEARCHER AWARDED IAN DAVEY PRIZE

Dr Rebecca Sharp from the Sansom Institute for Health Research was awarded the \$5,000 Ian Davey Research Thesis Prize for her PhD research about vascular access devices – tubes inserted into the veins of patients to give treatment such as stem cells and chemotherapy.

The prize is an annual award for UniSA's most outstanding research thesis. Dr Sharp's research has led to changes to international guidelines about infusion therapy for the benefit of patients across the world.

NEW NURSING RESEARCH CENTRE TO ADDRESS INDUSTRY CHALLENGES

A new UniSA research centre, the Rosemary Bryant AO Research Centre, developed in partnership with industry, will become a flagship for health research in South Australia and nationally.

A partnership between UniSA and the Australian Nursing and Midwifery Federation (SA Branch), the Centre is based in the Sansom Institute for Health Research. It is named in honour of a former president of the national nursing federation and immediate past president of the International Council of Nurses.

AWARD FOR CCB'S ACRF CANCER GENOMICS FACILITY

The Centre for Cancer Biology's (CCB) Australian Cancer Research Foundation (ACRF) Cancer Genomics Facility won an SA Health Award for Excellence in Non-Clinical Services.

The facility's team was presented with the award for implementing new genetic technology, Next Generation. NGS dramatically improves the speed and numbers of diagnoses for patients and families affected by genetic disease, at a reduced cost to the healthcare system.

This includes patients with familial cancer syndromes such as retinoblastoma, cardiac diseases causing sudden death, and a wide range of childhood diseases which were often previously unable to be diagnosed.

The CCB's ACRF Cancer Genomics Facility is the first Australian laboratory to receive official accreditation to test all 20,000 genes in a single test, a major achievement demonstrating national leadership in innovative patient care.

RESEARCH FELLOWSHIP INTO CONGENITAL HEART DEFECTS

UniSA Centre for Cancer Biology researcher **Dr Quenten Schwarz** has been awarded a Future Leader Fellowship from the Heart Foundation to further his research into congenital heart defects.

Head of CCB's Neurovascular Research Laboratory, Dr Schwarz received the four-year Fellowship for his work defining the mechanisms controlling cardiac outflow tract formation in the human embryo.

PRESTIGIOUS RONALD DUBNER RESEARCH PRIZE AWARDED

Dr Tasha Stanton, NHMRC Early Career Fellow from the Sansom Institute for Health Research's Body in Mind Research Group, was the winner of the prestigious 2016 Ronald Dubner Research Prize presented by the world's leading pain society, the International Association for the Study of Pain.

Dr Stanton is a postdoctoral research fellow working with the Body in Mind Research Group at UniSA and at Neuroscience Research Australia in Sydney. She won the award for a series of papers based on her work around perceptual dysfunction in osteoarthritis, her research in evidence synthesis in pain and her research in experimental pain science (effects of expectancy on pain).

Dr Stanton also was one of six researchers chosen for ABC Radio National's Top 5 Under 40 project to discover Australia's next generation of science communicators and give them a voice.

UniSA's KEY ROLE IN GLOBAL CANCER CARE

Two UniSA researchers were appointed to lead positions in the field of cancer care following an international event held in Adelaide.

The Multinational Association for Supportive Care in Cancer and International Society of Oral Oncology Annual Scientific Meeting was held in Australia for the first time, bringing together more than 1000 leading experts and researchers from 50 countries. UniSA's Sansom Institute for Health Research was an event sponsor.

Institute Director **Professor Ian Oliver** is the new President of the MASCC/ISOO, while the Dean: Academic for the Division of Health Sciences, **Professor Rachel Gibson**, was named Scientific Chair for the next two international conferences.

FIRST PAPUA NEW GUINEAN WOMAN TO RECEIVE APEC FELLOWSHIP

UniSA researcher **Dr Martha Yahimbu Mungkaje** was one of 10 women from APEC developing countries to win the 2015 Australia APEC-Women in Research Fellowship, which she is using to further her research in Adelaide. Prof Mungkaje's work investigates the anti-inflammatory and antibacterial effects of kino – a plant gum or sap produced by various plants and trees, particularly eucalyptus.



INTERNATIONAL RECOGNITION FOR SIMULATED LEARNING AT UniSA

Senior lecturer **Dr Maurizio Costabile** received an international award recognising his progressive use of simulated learning techniques. These techniques assist in student learning through practicals in UniSA's School of Pharmacy and Medical Sciences. Dr Costabile was one of only nine recipients of the 2016 Online Learning Consortium Effective Practice Awards.

UniSA GENE RESEARCH TO SPOTLIGHT MUSCULAR DYSTROPHY

Muscular Dystrophy South Australia has provided \$75,000 to fund research at UniSA focused on finding out more about the genetic causes and new treatments for MD.

The research will be led by NHMRC Senior Research Fellow **Associate Professor Leanne Dibbens**, who heads up the Epilepsy Genetics Research Group within the Samson Institute for Health Research. The Centre has been responsible for some of the most significant new research into the genetic causes of epilepsy and related neurological disorders.

RESEARCHING AS ONE TEAM

The Researcher One Team award was established by the Division of Health Sciences to recognise research expertise coupled with excellence in team building and support to ensure that staff and students work as one team across research activities.

The inaugural winner of the award was **Associate Professor Claudine Bonder**, head of the Vascular Biology and Cell Trafficking Laboratory at the Centre for Cancer Biology.



DIVISION HIGHLIGHTS

Information Technology
Engineering and the
Environment

R&D PROJECT OF THE YEAR IAWARD – MOOVI: A VIRTUAL REALITY THERAPY SYSTEM

Dr Ross Smith, the Co-Director of UniSA's Wearable Computer Laboratory, and collaborators **Dr Daniel Harvie** (pictured), and **Professor Lorimer Moseley** won the Research and Development Project of the Year Award from the Australian Information Industry Association (AIIA) for their MoOVi application (Motor Offset Visual Illusion).

MoOVi is a tool for treating chronic pain sufferers by leveraging state-of-the-art Virtual Reality technology to develop brain-training tools as a new method of treatment. The creative solution results from a cross-disciplinary partnership, bringing together cutting-edge computer science (Virtual Reality), with the frontiers of clinical neuroscience.

NEXTGEN RATING TOOLS PROJECT

UniSA, through the Research Node for Low Carbon Living, launched the RP1024 NextGen Rating tools Project in September (pictured). This project is funded by the CRC for Low Carbon Living with CSIRO and Energy Inspection as the industry partners and UniSA as the research partner.

UniSA will conduct the research that will underpin revisions to the assumptions and behaviour profiles contained within house energy rating tools. These new tools will revolutionise the building industry by enabling designers, builders and homeowners to evaluate all of the major energy consuming activities within the home, delivering a comprehensive understanding of how to minimise energy usage.

ABOVE LEFT/ DR ROSS SMITH (L) WITH DR DANIEL HARVIE, WINNERS OF THE AIIA RESEARCH AND DEVELOPMENT PROJECT OF THE YEAR AWARD

ABOVE RIGHT/ SPEAKERS AT THE NEXTGEN RATING TOOL LAUNCH: (L-R) STEPHEN WHITE, BRYN DELLER, WASIM SAMAN AND MELANIE VANREE. IMAGE COURTESY OF URSULA FRANCK, UniSA.

INCREASING THE LIFE OF MINING INDUSTRY COMPONENTS

An MOU between UniSA and LaserBond, a pioneer in advanced surface engineering, saw a LaserBond R&D specialist embedded at the Future Industries Institute to work on characterising and better understanding the leading- edge materials and minerals science research and processes being developed at UniSA.

LaserBond developed a laser cladding system that can metallurgically bond a wide range of metals to heavy machinery components, extending their life, often two to five times improving the performance of drill systems in the mining industry.

MOLTEN SALT TECHNOLOGY TO BENEFIT MINING INDUSTRY

A partnership between UniSA, the South Australian and Western Australian governments and Centrex Metals Limited is funding cutting edge molten salt technology that will significantly reduce energy and water usage, and thus the cost of mineral processing using molten salts.

The research, based around the Oxley Potassium Project and undertaken by the School of Engineering and the Future Industries Institute, will expand current molten salt research for solar energy applications into minerals processing and further strengthen engagement between the research sector and industry with a view to maximising successful technology development and commercialisation.

VIRTUAL BEHAVIOUR MODELLING TO ADVANCE DEFENCE COMBAT SIMULATIONS

Researchers at Mawson Lakes campus are putting the finishing touches to research that will help speed the military's response to ever changing combat situations. By enhancing virtual behaviour modelling, military personnel will be able to watch combat simulations play out with reduced lead time and that more closely resemble real-world scenarios.

The tools are being developed in collaboration with the Australian Government's Defence Science and Technology Group and will provide users with a graphical modelling environment that allows subject matter experts to create and revise models of individual, squad, and larger group behaviour independently from individual simulation software packages.

CYBERSECURITY EDUCATOR OF THE YEAR

Kim-Kwang Raymond Choo, an Associate Professor of Cybersecurity and Forensics at UniSA, was named Cybersecurity Educator of the Year – APAC at the 2016 Cybersecurity Excellence Awards.

THE LAUNCH OF NBERC

UniSA's new Natural and Built Environment Research Centre was launched in November. It has four research strands: Natural and Built Environment Education; Environmental Stewardship; Smart and Healthy Communities; and Water and Natural Resources. It also encompasses two commercial research and consultancy units: Australian Flow Management Group (AFMG) and SMAG - Specialised Testing & Research Unit.

/ IMAGES OF RESEARCH PHOTOGRAPHY COMPETITION 2016 FINALIST /
MR BASTIAN STOEHR, PHD CANDIDATE, FUTURE INDUSTRIES INSTITUTE /
IMAGE TITLE: ARTIFICIAL FINGERPRINT CONTAMINATION ON A MICROFIBRE
CLEANING IMPLEMENT

Increased human capital in the classroom and increased efficiencies beyond

In our strategic action plan, Crossing the Horizon, we committed to the development of a high performing, sustainable workforce, one that is dedicated to the provision of excellence in all its forms. Here's what we did in 2016.

SENIOR APPOINTMENTS

- **Professor Irene Watson** (pictured), was appointed Pro Vice Chancellor for Aboriginal Leadership and Strategy and Unaipon Chair, with responsibility for leading the development of a whole-of-institution approach to the recruitment, support, retention and success of Aboriginal people at UniSA.

A Tanganeakald, Meintangk-Boandik woman, Prof Watson is as solicitor, Research Professor of Law, and representative for First Nations Peoples at the United Nations.

She has published extensively in both law and Indigenous Knowledges, served as a front-line solicitor advising the legal service on the Royal Commission into Aboriginal Deaths in Custody, and has advised numerous communities across Australia on law and justice issues.

- **Professor David Paterson**, a specialist in strategic and social innovation, was appointed UniSA's inaugural Industry Professor.
Prof Paterson runs a consultancy that helps the public, private civil society sectors achieve their goals by combining business and social perspectives. As Chair and Co-founder of Social Capital, he is working to establish a large-scale social innovation cluster on the old Royal Adelaide Hospital site.
Prof Paterson previously served as the Chief Innovation Officer of World Vision, the world's largest international aid and development NGO, and has worked with a number of leading companies, including Medibank Private Ltd, Australia's biggest health fund.
- **Professor David Giles**, a leading expert in translating minerals science research into solutions for the mining industry, was appointed Strand Leader

and John Ralston Chair in Minerals and Resource Engineering in the new Future Industries Institute (FII).

Prof Giles has more than 20 years' experience in industry, government and academia, including roles with Billiton (later Acacia Resources) and the Great Central Mines group of companies, working on exploration and development projects in the Northern Territory and Western Australia.

He also held a series of post-doctoral positions associated with the Australian Crustal Research Centre before being appointed the inaugural Government of South Australia Chair of Mineral Exploration at the University of Adelaide.

- **Professor Christopher Saint** was appointed the new Dean: Research and Innovation in the Division of Information Technology, Engineering and the Environment, having previously been Research Director in the Division's School of Natural and Built Environments.
As a researcher, Prof Saint has attracted more than \$16 million in external research funds and published over 150 scientific papers.
He is a member of the Australian Research Council's College of Experts, has received several scientific awards and has strong collaborative links in the US, China, the UK, Malaysia, Austria and Ireland. He also holds external professorial positions at the University of Adelaide and at the Chinese Academy of Sciences' Research Centre for Eco-Environmental Sciences in Beijing.
- **Professor Kerry London** joined the Division of Education, Arts and Social Sciences as Dean: Research and Innovation.
Prof London previously was Director of the Centre for Integrated Project Solutions and Deputy Head: Research in the School of Property, Construction and Project Management at RMIT

University. In 2014, she was appointed to the prestigious Australian Research Council College of Experts Humanities and Creative Arts Panel.

Prof London is a Fellow and immediate past President of the Chartered Institute of Building Australasia and a member of the Australian Sustainability Built Environment Council.

- **Professor Rachel Gibson** took up the role of inaugural Dean: Academic within the Division of Health Sciences.
Prof Gibson previous was Head of the Gut Microbiome Group within the School of Medicine at the University of Adelaide, where she managed an internationally-recognised laboratory investigating the toxic effects of chemotherapy on the gut microbiome of cancer patients.
Her work in this area resulted in 76 publications and attracted external grant and industry funding, including a current ARC Linkage Grant.
- **Professor Bruce McColl** joined the Business School as an Industry Professor at the Ehrenberg-Bass Institute for Marketing Science.
Prof McColl is the former Global Chief Marketing Officer for Mars Incorporated, one of the world's largest confectionery and food manufacturers, where he won numerous coveted awards, including the Cannes Lion Award for Creativity.
He has been a Corporate Sponsor and Advisory Board member of the Ehrenberg-Bass Institute and established the Mars Marketing Science Laboratory to underpin growth and bring evidence-based marketing to Mars Inc.

UniSA's LEARNING AND TEACHING AWARDS FOR 2016

2016 Award for Teaching Excellence In 2016 the award was won by Vivien Chanana at the School of Marketing, for fostering quality learning experiences and outcomes of first-year marketing students through innovative team teaching methods and well-designed and implemented learning activities including the use of digital aids and technology.

IN 2016 CITATIONS FOR OUTSTANDING CONTRIBUTIONS TO DIGITAL LEARNING WERE AWARDED TO:

- The Environmental and Geospatial Sciences Program Team (**Dr Tom Raimondo** (NBE/ITE), **Dr Justin Payne** (NBE/ITE), **A/Prof Delene Weber**, **A/Prof David Bruce** (NBE/ITE), **Morgan Schebella** (NBE/ITE)) was given the award for transforming field-based teaching of Environmental and Geospatial Science and the attainment of critical field skills through immersive digital visualisations; and



- The Location-based mobile learning project team (**Dr Sukhbir Sandhu** (MGN/BUE), **Roger Edmonds** (TIU/ALS)) was awarded for their expertise in the innovative design and implementation of location-based mobile learning games leading to enhanced student engagement and learning experiences.

IN 2016 CITATIONS FOR OUTSTANDING CONTRIBUTIONS TO STUDENT LEARNING WERE AWARDED TO:

- **Philip Beaton** (COM/BUE) for the ongoing implementation of a mentor scheme providing property students with greater learning motivation through authentic learning experiences and industry linkages;
- **Gabriella Bisetto** (AAD/EAS) for implementing a suite of learning experiences that enables students to graduate as successful glass artists commensurate with industry skills and professional knowledge;
- **A/Prof Sandra Orgeig** (PMB/HLS) for a sustained commitment to leading the teaching-research nexus to motivate undergraduates to understand and value the research process and inspire a passion for research;
- **Dr Sally Plush** (PMB/HLS) for outstanding innovation towards teaching the value of rote memorising as a core skill in a science program;
- **Dr Garth Stahl** (EDS/EAS), **Erica Sharplin** (EDS/EAS), **Dr Ben Kehrwald** (TIU/ALS) for using and researching innovative approaches to develop the proficiency of pre-service teachers;
- **Jennifer Stokes** (UCO/ALS) for sustained commitment to engaging, student-focused enabling pedagogy, which fosters the development of independent learners prepared for undergraduate study;

ABOVE/ PROFESSOR IRENE WATSON, PRO VICE CHANCELLOR FOR ABORIGINAL LEADERSHIP AND STRATEGY AND UNAIPON CHAIR

AWARDS AND ACHIEVEMENTS

Dr Peter Balan OAM, a Senior Lecturer in the School of Management, was acknowledged in the 2016 Queen's Birthday Honours for service to tertiary education and to the community of South Australia. Dr Balan has continuously developed innovative approaches to teaching, including starting the School of Marketing's Marketing Project Program and the International Marketing Program.

Ms Sandra Walsh (pictured), a Research Assistant with the University Department of Rural Health in Whyalla, was named Adult Educator/Mentor of the Year in the 2016 Adult Learners' Week Awards presented by the State Government.

Professor Jim Hall was joint winner of the 2016 George Szekeres medal presented by the Australian Mathematical Society. The medal is the AMS's premier career award for work of international acclaim predominantly in Australia by a member of the Society.

Three academics from the Division of Health Sciences were awarded with Citations for Outstanding Contributions to Student Learning by the Commonwealth Government's Office for Learning and Teaching.

- Midwifery Program Director **Dr Lois McKellar** and Lecturer **Cathy Kempster** (pictured), were acknowledged for leading the development of a sustainable model of tailored support and innovative resources to enhance the clinical learning experience for midwifery students.
- **Dr Nayana Parange** (pictured), who is the Program Director of Medical Sonography in the School of Health Sciences, was awarded for fostering sustained, authentic learning among tomorrow's obstetric and gynaecologic sonographers in a fully online postgraduate course.

Dr Megan Cooper, a Lecturer in Midwifery, won the Excellent Educator – Simulation category in the 2016 Student Nominated Excellent Educator Awards. The award gives students the opportunity to nominate staff who have demonstrated innovation in teaching engagement and enhancing students' learning experiences.

- Time Budgets (**Dr Bruce Wedding** (ENG/ITE) **Dr Diana Quinn** (TIU/ALS)) for staff and student engagement through the innovative design and dissemination of Time Budgets, a succinct visual contract for enhanced communication of teaching and learning; and
- The TIU Research Education Team (**Dr Cassandra Loeser** (TIU/ALS), **Prof Alistair McCulloch** (TIU/ALS)) for a sustained and outstanding contribution to research degree supervisor development.

UniSA TEACHING AND LEARNING DEVELOPMENT GRANTS FUNDED FOR 2017 WERE AWARDED TO:

- **Dr Ben Stubbs** (CIL/EAS): Exploring virtual reality in journalism: Establishing a learning environment where digital production and technological understanding enhance graduate capabilities. \$19,773.
- **Dr Shepard Masocha** (PSW/EAS): Development of a 3D simulation-based learning platform to enhance Clinical Psychology and Social Work students' cognitive decision making and emotion regulation strategies, needed for conducting suicide risk assessments and management. \$19,250.
- **Dr Nick Fewster-Young** (ITMS/ITEE): Program Roadmap: A visual, interactive and self-regulating digital representation of the student learning journey. \$19,980.

THE FOLLOWING PROJECTS (INITIALLY FUNDED IN 2016) WERE AWARDED ADDITIONAL FUNDS TO AID FURTHER UPTAKE AND DISSEMINATION:

- **Dr Sean Pickersgill** (AAD/EAS): Team work, social constructivism and the Virtual Site. \$11,201.
- **A/Prof Kerry Thoirs** (HLS/HSC): Teaching clinical communication skills: developing a flexible and experiential educational model using digital technologies for the health disciplines. \$13,139.
- **Eileen Giles** (HLS/HSC): Developing 3D virtual anatomy resource. \$19,844.

SUPPORTING EXCELLENCE

The University's Teaching Excellence and Leadership Program was introduced in 2016, with 23 participants from the Divisions and UniSA College.

The program provides academic staff, who have demonstrated high performance in teaching, with the opportunities, experiences and skills to become teaching leaders, local change agents and champions of innovative, self-reflective practice.

Activities include Masterclasses, workshops and a teaching squares observational activity, with participants encouraged to develop their own local area leadership activities and research projects. Program outcomes included enhanced institutional knowledge, networking and career development strategies.



OLT PROJECTS

Tom Raimondo, Justin Payne, and David Bruce are participants in the Australian Geology Collaborative Digital Visualisation Project, hosted by the University of Tasmania. This project is an extension of an Office for Learning and Teaching grant that is developing innovative immersive visualisations of geological field sites, accompanying educational resources and evaluating the effectiveness of these resources for undergraduate education.

Professor Julie Mills and Dr Delene Weber have been awarded funding for their OLT project on Pathways to Tertiary Education. The project will investigate how prospective students determine what to study at university, and how secondary schools, universities and government organisations engage with and support them in making this decision. It aims to develop a program and resources to enable prospective students to make more informed and appropriate choices, which in turn will improve student satisfaction and retention at university.

DIVISION HIGHLIGHTS

The UniSA Business School

- **Professor Ruth Rentschler OAM** joined the Business School as Associate Dean: Research Education, and Professor Arts and Cultural Leadership. She has 20 years' experience working in governance, management and marketing in the non-profit sphere at local, state, national and international levels and brings with her leadership experience in entrepreneurial, start-up, business, government and higher education positions.
- **Professor Lin Crase** was appointed Professor of Economics and Head, School of Commerce. He previously was Director of the Centre for Water Policy and Management at La Trobe University. Dr Crase's research has focused on applied economics in the context of water and has worked

on projects in Australia, Europe, south Asia and Japan. He has analysed water markets and the property rights that attend them, water pricing and numerous applications of water policy.

- **Mr Terry Gold**, an international entrepreneur and co-founder of communications software company Gold Systems, joined the Centre for Business Growth as its first Growth Entrepreneur-in-Residence. He will play a pivotal role in teaching the Centre's Growth Assessment Clinics and Growth Modules at the University and will help to digitally enable its content.
- **Professor Jacqueline Coyle-Shapiro**, an expert in employee-organisation relationships, joined the Centre for Workplace Excellence. Her research interests include employment relationships, psychological contracts, social exchange theory, and organisational citizenship behaviour.
- **Dr Bethany Cooper** joined the Business School as a Senior Research Fellow in the School of Commerce. Her work has focussed on quantifying difficult policy trade-offs in the water sector and improving understanding of the complexity of choice.

DIVISION HIGHLIGHTS

Education, Arts and Social Sciences

- **Professor Roger Slee** joined the School of Education as a Research Professor whose focus is on inclusive education. Prof Slee is the Founding Editor of the International Journal of Inclusive Education.
- **Professor Barbara Comber** joined the School of Education as research Professor. Prof Comber has conducted a number of competitively funded research projects concerned with literacy

ABOVE LEFT/ Unisa's NATIONAL TEACHING AWARD RECIPIENTS NAYANA PARANGE, LOIS MCKELLAR AND CATHY KEMPSTER.

ABOVE RIGHT/ L-R/ MINISTER FOR EDUCATION SUSAN CLOSE, SANDRA WALSH, MALCOLM LOBBAN FROM ADULT LEARNING AUSTRALIA AND UNISA'S TRACEY WATSON, WHYALLA CAMPUS MARKETING OFFICER.

development, teaching and socioeconomic disadvantage. She has also developed or contributed to language and literacy teacher education materials in Australia, the US and Canada.

- **Professor Joanne Cys** was appointed Head of School of Art, Architecture and Design in 2016. She has held a range of senior positions at the University, and most recently was Dean: Academic for the Division of Education, Arts and Social Sciences. During the year she was also inducted into the Australian Design Hall of Fame, recognising her eminent contributions to design research and education.

DIVISION HIGHLIGHTS

Health Sciences

- **Professor Marion Eckert** was appointed as the inaugural Professor of Cancer Nursing to further support the Division's nursing and midwifery education and research capabilities. Prof Eckert has more than 25 years' experience in the health care industry and is acknowledged as a prominent nurse leader nationally and internationally in research, consultancy, development of consumer-centred care and evidence-based clinical care practices, policies, academic scholarship.

MEDICAL RADIATION SPECIALISTS IN THE CLASSROOM

New technology, techniques and cutting edge research were brought to Medical Radiation Science students by specialist guest lecturers. Industry representatives from the South Australian Health and Medical Research Institute (SAHMRI), Flinders Medical Centre and Elekta, an equipment and software innovator, presented lectures in 2016. These field experts ensure students are well informed by current practice before they graduate and can see the diverse career paths available to them.

TOP EXERCISE AND SPORTS SCIENCE INFLUENCER

Dr Kade Davison, Program Director for Clinical Exercise Physiology, was announced as one of Exercise and Sports Science Australia's (ESSA) top 25 influencers of exercise and sports science in Australia. ESSA CEO, Anita Hobson-Powell noted that as a long-term member of the National Board, Kade plays a significant role in the development

DIVISION HIGHLIGHTS

Information Technology, Engineering and the Environment

- **Professor Duncan Campbell**, the former Director of the Australian Research Centre for Aerospace Automation, was appointed Head of the School of Engineering. An expert on policy, legislation and developmental roadmaps related to unmanned aircraft systems and drone technology, Prof Campbell led for the recently completed Project ResQu, a two-year, \$7 million collaborative research partnership between QUT, CSIRO, Boeing Research & Technology Australia, Insitu Pacific Ltd and the Queensland State Government.
- **Professor Anthony Finkelstein**, the Chief Scientific Adviser for National Security to Her Majesty's Government in the UK, joined UniSA in a special Adjunct Research Professor role at the Future Industries Institute (FII). Prof Finkelstein was instrumental in forging a landmark research partnership between FII and University College London (UCL) in his former role as Dean of Engineering Sciences and Professor of Software Systems at UCL.
- **Professor Chris Chow** was appointed Professor of Water Science and Engineering with the School of Natural and Built Environments. In a 20-year career, Prof Chow has been involved with developing a number of major water quality and treatment projects. His main research interest is based on natural organic matter and cyanobacteria and their impact on drinking water.
- **Professor Yan Zhuge** was appointed Professor of Structural Engineering in the School of Natural and Built Environments. Returning to UniSA from the University of Southern Queensland, Prof Yan's main areas of research include masonry and fibre composite structures and concrete materials.
- **Associate Professor Krasimir Vasilev** was awarded the prestigious Humboldt Fellowship for Experienced Researchers which funds three research stays over three years at the Max Planck Institute for Polymer Research in Mainz, Germany.
- **Dino Rossi**, Chief Technologist at Hewlett Packard Enterprises has been working closely with the School of ITMS to not only redesign their final year projects but to also acquire new projects for both undergraduate and postgraduate students. Dino has contributed to teaching one of the common first year courses for IT students in Design Thinking and invited guests from industry to provide guest lectures.



UniSA College

BECOMING THE ABORIGINAL UNIVERSITY OF CHOICE

In January 2016 UniSA College launched the Indigenous Participation Pathway (IPP) program, delivered across three regional sites - Mount Gambier, Port Lincoln and Ceduna.

Indigenous Participation Pathway, a modularised Foundation Studies program, is a one and a half year pathway program that supports students with no previous qualifications for university study and is open to all people who identify as Aboriginal and Torres Strait Islander and can lead to entry into a university degree at the University of South Australia.

Indigenous Participation Pathway builds the skills students need to study successfully at a tertiary level. All students undertake general courses to develop their tertiary learning, computing and academic literacy skills.

Additional mentoring and support is provided by local tutors and a designated Project Coordinator. Local tutors in the student's location and during off-site intensives, provide weekly tutoring assistance during the semester. Students also have access to support from UniSA College staff, and online tutoring sessions which are held during the off-site portion of each course.

TAKING EDUCATION BEYOND THE CITY

The UniSA College Connect program has continued its commitment to meeting the University's equity agenda reflected by the 111 secondary school interactions further facilitating curriculum engagement with 8,700 secondary students and professional development for 833 secondary teachers across the State. The Connect program has fostered a community culture of innovation, built capacity in areas of STEM and Career Awareness.

CONNECT PROGRAM LAUNCHED STEM EXPERIENCE

UniSA College, through its Connect program launched the STEM Innovation Experience inviting schools from Adelaide, Whyalla and Mount Gambier to participate in a semester long school-based learning experience. 240 students from year 10 and 11 solved problems and presented their solutions to the Mathematics and Science and Technology and Engineering tasks at one of four Regional Showcases. The winning schools competed at UniSA Mawson Lakes in the State Final, which was won by Mount Gambier High School (pictured).

Following the STEM Girls national tour in 2015 UniSA College, through its Connect program launched the STEM Girls program in Whyalla. STEM Girls has engaged 90 girls from years 10 and 11 from both metropolitan and Whyalla schools in innovative STEM programs designed to enhance their knowledge and understanding of STEM concepts, to form networks with like-minded peers, to meet and network with women who work in STEM careers, and to visit some of Australia's renowned scientific organisations. Dr Laura-Anne Bull, Pro Vice Chancellor Student Engagement and Equity is the STEM Girls Ambassador.

ABOVE LEFT/ UniSA CONNECT STEM GIRLS NETWORKING DINNER

ABOVE RIGHT/ STEM INNOVATION EXPERIENCE STATE WINNERS MOUNT GAMBIER HIGH SCHOOL. UniSA FACEBOOK POST REACH OVER 15,000 WITHIN 24 HOURS

Action Set 4

Transformational infrastructure enriching the fabric of our institution

In our strategic action plan, Crossing the Horizon, we committed to deliver and renew infrastructure that positions the University as an inspiring place to work and study, providing spaces that stimulate and foster creativity and innovation in all facets of our operation – spaces that underpin happiness and health, and support new models of learning. Here's what we did in 2016.

GRADUATE'S GREAT GIFT LAUNCHES UniSA's PRIDHAM HALL

UniSA's new great hall is taking shape in Hindley Street, supported by the largest single private donation in the University's 25-year history.

The Pridham Foundation, which administers the philanthropic giving by the family of UniSA graduate **Andrew Pridham**, presented a \$5 million gift to the University to support the new building, which will be named Pridham Hall (pictured).

Adelaide born, Mr Pridham completed a Bachelor of Applied Science in Property Resource Management at UniSA before moving to Sydney, London and Singapore to build his successful career in investment banking.

He is currently Chief Executive Officer of Moelis & Company Australia, a New York headquartered investment bank, which he established in Australia in 2009. He was previously Managing Director and Head of Investment Banking Australasia, Global



Head of Real Estate at UBS, and Executive Chairman and Head of Investment Banking at JPMorgan.

Mr Pridham's love of sport and his commitment to the role of education in transforming lives is well known, particularly through his role as Chairman of AFL Club, the Sydney Swans. The facilities in Pridham Hall will reflect both of those passions, offering state-of-the-art sporting facilities, including a 25m pool, as well as the new graduations hall, where future academic successes will be celebrated.

The importance of the Pridham philanthropic gift was further recognised by the State Government, which will augment the donation with an additional \$1 million to create two new perpetual scholarship programs (see page 19).



ABOVE L-R/ UNISA VICE CHANCELLOR DAVID LLOYD, PREMIER OF SOUTH AUSTRALIA JAY WEATHERILL AND ANDREW PRIDHAM

STATE-OF-THE-ART FACILITIES FOR MOUNT GAMBIER

UniSA's new Learning Centre in Mount Gambier showcases some of the most sophisticated teaching and learning facilities in regional Australia, and the 260 kilometres of fibre optic cable linking the city to the National Research and Education Network makes our students among the best connected.

The main auditorium of the Learning Centre was named after Bob and Gayle Cowan in recognition of their philanthropic contributions to regional education (pictured). The Cowans' private philanthropic trust is dedicated to helping financially disadvantaged students gain a higher education.

A purpose-built experiential Horizon Hospital and Health Service is an outstanding aspect of the facility. At a suite built to replicate an actual functioning hospital and health service staffed by practicing clinicians, students are rostered onto 'shifts' and allocated to care for virtual patients.

STUDENT LOUNGE WINS AWARD

The Student Lounge at City West Campus (pictured), received an Award of Merit in the Interior Architecture category of the Australian Institute of Architects – the South Australian Chapter Awards.

The facility initially was developed as part of a UniSA Design Studio project to provide a direct insight into student needs. **Chris Trotta**, through UniSA's matchstudio, integrated the ideas of six students into a concept proposal which Phillips/Pilkington Architects, with **Clare Kneebone**, developed into a welcoming new facility supporting extra-curricular life.

URBANEST TO SUPPLY NEW STUDENT ACCOMMODATION

Continuing UniSA's significant investment in the west end of Adelaide and its commitment to exceptional student experiences, the University announced Urbanest North Terrace, located on Bank Street as a preferred accommodation provider.

Urbanest is Australia's leading provider of purpose-built off-campus student accommodation. It will prioritise 190 beds for UniSA students at Urbanest North Terrace in 2017, and 350 in 2018 and beyond.

UniSA LIBRARIES UPGRADED

UniSA libraries at City East, Magill and Mawson Lakes campuses have been upgraded in line with the University's Digital Learning Strategy.

As UniSA moves towards a more integrated and digital service delivery model, and with physical collections being reduced in favour of online resources, libraries increasingly become spaces that support student-led learning. This is supported with staff, online resources and flexible but defined library learning spaces.

ICC – HOME TO ENTREPRENEURS

The Innovation and Collaboration Centre's (ICC) temporary home at City West campus received a \$1 million refurbishment in 2016 to provide a modern fit out and collaborative working spaces, executive meeting/teaching rooms and a flexible seminar area. The ICC will move to a permanent home in the new Health Innovation Building in 2018.

UniSA BUSINESS SCHOOL HUB

A \$5 million refurbishment and reconfiguration of the Yungondi Building at City West has begun to create a dynamic new hub for the Business School. Our community of students, alumni and industry partners will benefit from new-generation learning and executive education spaces and integrated support services. The centrepiece will be a Trading Room that will run financial market simulation programs for students and will give researchers the opportunity to test new trading techniques and strategies and collaborate with the global trading industry.

NEW FACILITY AT MAWSON LAKES

A new fabrication and assembly facility has been established at Mawson Lakes campus to support the expansion of the Design Construct program. This facility aligns with the infrastructure investment in the refurbishment of undergraduate teaching equipment and laboratories for Science, Technology, Engineering and Mathematics (STEM) education at Mawson Lakes campus.



HEALTH INNOVATION BUILDING MAKING ITS PRESENCE FELT

Taking shape on North Terrace is UniSA's Health Innovation Building based in the heart of South Australia's Health and Biomedical Precinct, and on track to open in 2018.

It will house Adelaide's first major science public outreach initiative, the Museum of Discovery (MOD.) along with the Innovation Collaboration Centre and facilities for the Centre for Cancer Biology and the School of Pharmacy.

The 14-level building will offer around 31,000m² of floor area and has been designed to achieve the LEED Gold Star (International Green Building rating equivalent of the Australian 5-Star Greenstar rating) for design and construction.

Artist's impression



BELOW LEFT (L-R)/ LONG TIME UniSA SUPPORTERS BOB AND GAYLE COWAN AT THE OPENING OF THE NEW LEARNING CENTRE AT MOUNT GAMBIER.

BELOW RIGHT/ THE AWARD WINNING STUDENT LOUNGE AT CITY WEST CAMPUS

Engagement with society beyond the classroom and campus



In our strategic action plan, *Crossing the Horizon*, we committed to build on our strong social mission and commitment to the communities we serve, adding value to the economic and social environment of our society. Here's what we did in 2016.

CELEBRATING OUR 25th BIRTHDAY

UniSA celebrated its 25th birthday in style during 2016, with a range of memorable events for our students, staff, collaborators and friends. Functions were held in Australia, London, Singapore, Hong Kong and China, allowing alumni to reconnect and join the party.

More than 1400 staff and students were part of our campus birthday parties and 1000 attended our 25th Birthday Festival.

Highlights included:

- Almost 900 guests attending the 25th Birthday Gala Dinner, raising \$250,000 for the 25th birthday scholarship fund (contributing to an overall total of more than \$500,000).
- A once-in-a-generation panel at Penny's Hill Winery featuring Chancellors and Vice Chancellors from across our 25 years.
- The Samstag Museum hosting two birthday exhibitions – *Quicksilver: 25 years of Samstag Scholarships* and *Meet the Samstags* – and releasing a new book, *The Samstag Legacy: An Artist's Bequest* (see page 54).
- Over 35,000 people receiving our 25th Birthday Enterprise magazine and more than 10,500 reading the online edition.
- More than 4300 people attending our six 25th birthday Hawke Centre lectures (see page 52).
- Reconnecting with 10,500 alumni through the 25th Birthday Alumni competition.
- Partnering with 25 community and non-governmental organisations, including The Smith Family, Foodbank, Oxfam and the Australian Refugee Association, to foster a culture of volunteering in our student body.



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1/ JAMES MORRISON AT THE 25TH BIRTHDAY GALA DINNER
2/ PANEL OF Unisa's PART CHANCELLORS AND VICE CHANCELLORS AT PENNY'S HILL WINERY
3/ AND 4/ CELEBRATING WITH THE 25TH BIRTHDAY ENTERPRISE MAGAZINE AT CAMPUS BIRTHDAY PARTIES

5/ THE SAMSTAG MUSEUM EXHIBITION – QUICKSILVER: 25 YEARS OF SAMSTAG SCHOLARSHIPS
6/ 2016 ALUMNI AWARDS
7/ unjam2



OUR 2016 UniSA ALUMNI AWARD RECIPIENTS

Leaders across the fields of politics, fashion and health who have made outstanding contributions to the community were acknowledged for their achievements in our second annual Alumni Awards.

Recipients includes former Premier of South Australia The Honourable Dr Dean Brown AO (pictured below left with UniSA's Vice Chancellor David Lloyd), the Leader of the Opposition in the Senate and Shadow Minister for Foreign Affairs, Senator The Honourable Penny Wong (pictured below centre with UniSA's Vice Chancellor David Lloyd), the CEO of the Congress of Aboriginal and Torres Strait Islander Nurses and Midwives, Janine Mohamed, and the Editor-in-Chief of Vogue China, Angelica Cheung.

The awards recognise the contribution UniSA graduates are making to their communities locally, nationally and internationally.

Following his generous gift to the University (see page 42), alumnus Andrew Pridham (pictured below right with UniSA Chancellor Jim McDowell) was inducted into the UniSA College of Benefactors.





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1/ TEAM UniSA AT THE SANTOS TOUR DOWN UNDER
2/, 4/ AND 6/ CELEBRATIONS AT THE 25th BIRTHDAY CAMPUS PARTIES
3/ AND 5/ THE 25th BIRTHDAY GALA DINNER

WE HONoured PEOPLE WHO WENT ABOVE AND BEYOND

We bestowed honorary awards on a range of people who have made notable contributions to the University or in their own communities.

The award of Honorary Doctor of the University was awarded to:

- **Professor Gary Banks AO**, Chief Executive and Dean of the Australia and New Zealand School of Government, a consortium of government and academic institutions dedicated to developing excellence in public sector leadership and performance.
- **Maggie Beer AM** for her contribution to the South Australian food and tourism industries through her work as a chef, farmer, food producer, exporter and promoter.
- **Evonne Goolagong Cawley MBE AO**, former world champion tennis player, Australian of the Year and Australian Sportsman of the Year for using tennis as a vehicle to promote better health, education and employment through her Goolagong National Development Camp.
- **Marie Coleman AO**, a retired Commonwealth public servant who has spent her life advocating for women and who has had a significant impact on our country by providing a positive outlook for women during a period of massive social change.
- **Professor Lord Anthony Giddens**, an influential social theorist who has positively affected the teaching of social science at UniSA through his many contributions to sociology and social theory over four decades.
- **Barry Humphries AO CBE** (pictured), for being one of Australia's greatest global arts ambassadors over his long, diverse and brilliant career.
- **Jack Manning Bancroft**, the Founder and CEO of the Australian Indigenous Mentoring Experience (AIME) which is working with 18 Australian universities to improve the prospects of Aboriginal children in education.
- **Barry Pearce**, an internationally renowned expert on Australian art and an alumnus of the South Australian School of Art who has contributed greatly to the Samstag Museum of Art.

ENTERPRISING PARTNERSHIPS TALKS

To celebrate our 25th birthday year, UniSA inaugurated a new series, Enterprising Partnerships, a series of free talks exploring how our researchers and their partners deliver solutions for a changing world.

The lecture series provided a showcase for the vital partnerships that UniSA's top thought leaders have with the end-users of their research. They highlighted the economic and societal impact of research that is inspired by real-world challenges.

In August, **Professor Fiona Arney** Chair of Child Protection and Director of the Australian Centre for Child Protection opened the series with a talk outlining how South Australia could become a global leader in caring for and protecting children and called for a radical rethink of the systems we use.

Unpacking what it takes to build and keep a strong brand identity, in November **Professor Jenni Romaniuk** Associate Director (International) at the Ehrenberg-Bass Institute for Marketing Science at the Business School, presented the second in the series, Building Brand Identity. Drawing on knowledge on how our brain and memory operate, and how people make choices, Professor Romaniuk explored how a strong brand identity can help you make effective business decisions.

Also in November **Professor Lorimer Moseley** Research Leader of the Body In Mind research concentration at UniSA's Sansom Institute for Health Research discussed the need for a 'revolution' in acute spinal care, the new skillsets health professionals might need, some new tools that are being designed to help optimise care and the industry-clinician-scientist-patient partnerships that will be needed to truly change outcomes.

ADVANCING EXTERNAL ENGAGEMENT

Professor Anthony Elliott was appointed to the newly created position of Dean: External Engagement.

Prof Elliott joined UniSA's External Relations and Strategic Projects portfolio, which was created earlier this year in response to the expanding number of university partnerships and projects within Australia and internationally.

Prof Elliott, who was previously Director of the Hawke Research Institute, has played a key role in initiating and shaping relationships with Keio University in Japan (including the first ever dual award PhD with a Japanese University); with the Long Room Hub at Trinity College Dublin; with the Université Paris II Panthéon Assas; and with the Mobilities Lab at Lancaster University, UK. He also advanced UniSA's successful bid to the European Commission for the Hawke EU Centre and overseeing its development.



OUR COMMITMENT TO INDIGENOUS EDUCATION

Professor Peter Buckskin was appointed to the newly created senior staff position of Dean: Aboriginal Engagement and Strategic Projects at UniSA. He will play an important role in promoting UniSA nationally and internationally, and providing advice to the University on building and strengthening relationships with Aboriginal communities.

Prof Buckskin will report to the Deputy Vice Chancellor: External Relations and Strategic Projects and work closely with the Dean: External Engagement to advance engagement and projects of importance to the University, with a special focus on work connected to Aboriginal communities.

Prof Buckskin's previous role was Dean of Indigenous Scholarship, Engagement and Research, where he led significant change in creating meaningful connections with Aboriginal communities at a State and national level.

NEW POSITION TO INCREASE ENGAGEMENT WITH APY LANDS

Mr Samuel Osborne has been appointed our inaugural Associate Director: Regional Engagement (APY Lands).

The position was created to initially focus on consulting with Anangu communities in the APY Lands to reposition tertiary provision in the region and work across communities, organisations and jurisdictions to establish a more accessible and diverse suite of programs for very remote communities in South Australia.

Mr Osborne also will undertake teaching, learning and research-related activities in the School of Education.



NEW DEFENCE OPPORTUNITIES FOR ABORIGINAL LEADERS

UniSA and the Indigenous Defence Consortium (IDC) formalised a collaboration designed to advance and support business and education opportunities in the defence industries for new generations of Aboriginal leaders.

UniSA will support skills development through its educational offerings in areas such as science and systems engineering, right through to business administration, supply chain management, business marketing and growth and entrepreneurship.

The IDC, which is led by former Sydney Swans AFL player Adam Goodes (pictured), was established to help Indigenous businesses and entrepreneurs capitalise on the National Innovation and Science Agenda by delivering skills, innovations, services and supplies to Australian infrastructure projects in the defence sector.

FIRST MBA SCHOLARSHIP FOR ABORIGINAL LEADERS

Developing more opportunities for Aboriginal and Torres Strait Islander people to advance their business careers and become a new generation of leaders is the goal of our new MBA scholarship, which is a 50/50 partnership with industry.

The first of its kind in Australia, the scholarship has been designed to ensure employers commit to providing flexibility in working arrangements to support a study commitment and to include a career mentor and supportive career pathway options for the successful scholarship recipients.

NAME CHANGE FOR INDIGENOUS STUDENT SERVICES

Now known as Wirringka Student Services, it offers Aboriginal and Torres Strait Islander students a friendly, comfortable and supportive place to study. Facilities and support are available at all campuses, with staff available by phone, email and skype for external students.

ABOVE/ ADAM GOODES WITH VICE CHANCELLOR DAVID LLOYD MOU
SIGNING OF THE INDIGENOUS DEFENCE CONSORTIUM.

ABOVE RIGHT/ CHANCELLOR JIM MCDOWELL, BARRY HUMPHRIES AO AND
VICE CHANCELLOR DAVID LLOYD

REGIONAL ENGAGEMENT FRAMEWORK

A new regional engagement framework launched in 2016 defines our regional priorities and identifies opportunities to offer programs and activities that serve the needs of the region.

Regional engagement activity ranges from informal community interactions to outreach programs, recruitment initiatives, research collaborations, business engagement and student placements.

In supporting our commitment to being the University for South Australia we will advance the interests and aspirations of communities in rural and regional Australia by developing distinctive, lasting and mutually beneficial education, research, economic, social and cultural partnerships, and by providing knowledge, expertise and resources that contribute to the life of those communities. Study Centres that we currently have at Port Augusta, Port Lincoln and

Ceduna are shared spaces, established in partnership with community organisations.

Study Centres at Port August, Port Lincoln and Ceduna are shared spaces, established in partnership with community organisations.

RURAL STUDENTS TAKE AN INDIGENOUS PATHWAY

Our new Indigenous Participation Pathway Program (IPP), which offers opportunities for rural Indigenous students aged from 18 to 73, welcomed its first intake of 35 students.

The program is modelled on our successful Foundation Studies program and leads to entry into a University degree or a UniSA College diploma program. It is being taught out of Ceduna, Port Lincoln and Mount Gambier.

It includes information skills, critical literacy, computing, Aboriginal knowledge, academic communication, and ends with a week spent at the Mawson Lakes campus to help transition the students to on-campus university life.

HIGH ACHIEVERS

The Pro Vice Chancellor of the Division of Education, Arts and Social Sciences, **Professor Denise Meredyth**, was elected to the Australasian Council of Deans of Arts, Social Sciences and Humanities (DASSH), taking up the position of Vice-President.

Former Vice Chancellor **Professor Denise Bradley AC** received the Lifetime Achievement Award in the 2016 Australian Financial Review Higher Education Awards. The judges said: "In a career spanning more than four decades Denise Bradley has exerted tremendous influence on Australian higher education policy and practice as a teacher, a policy adviser, an administrator and a university leader."

AWARD WINNERS

Two UniSA graduates were recognised in the 2016 Channel 9 Young Achiever Awards.

- Staff member **Kimberley Hunter** was presented with the Office for Youth Aboriginal Achievement Award for using her skills as an occupational therapist to help bring about change to social determinants impacting on the health of Aboriginal people
- **Aref Ahmadi**, a refugee from Afghanistan, won the Multicultural Youth South Australia Spirit of Resilience Award for helping many young refugees meaningfully engage with their community and build social connections through sport.

THE BOB HAWKE PRIME MINISTERIAL CENTRE'S 25TH BIRTHDAY LECTURE SERIES

The following six lectures were presented during 2016 as part of the special 25th birthday lecture series.

DR DAVID SUZUKI

Presented by The Bob Hawke Prime Ministerial Centre and WOMADelaide Planet Talks

Dr David Suzuki is a living legend in the science and environment world, the recipient of dozens of prestigious international awards, prizes and honorary degrees and author of over 55 books, 19 of which were written for children. He has become internationally celebrated for his ability to discuss and present the complexities of environmental science in a practical, engaging and easily understood manner. Among a diverse range of topics, Suzuki's talk highlighted the need: for sustainable relationships with our planet, credible climate change debate, and an inter-generational approach to conservation.

AN EVENING WITH SEAN WILLMORE, FOUNDER AND DIRECTOR OF THE THIN GREEN LINE FOUNDATION

Sean Willmore, President of the International Ranger Federation and Founder and Director of its charity arm, The Thin Green Line Foundation, shared the very personal, often moving, and sometimes very funny stories of his work with the "Protectors of Nature", the park rangers. His talk gave a rare insight into the life of those dedicated to protecting wildlife, their challenges, their interactions with the animals, landscape and cultures they protect, and the often remarkable experiences of these conservation heroes.

MANIFESTO – AN EVENING WITH ROBYN ARCHER AO

A singer, writer, director, artistic director and public advocate of the arts, Robyn Archer approaches art and life in the spirit of a kind of manifesto. In this lecture, Robyn reflected on the important things which might surface from a career which began in earnest, in Adelaide, over 50 years ago. The audience heard robust ideas about the place of art in our lives, and what we must do now to recognise, preserve and expand the essential role of artists in the 21st century.

**WHERE TO FROM HERE, AUSTRALIA?
PRESENTED BY THE HON PETER BEATTIE AC**

One of the most electorally successful politicians in Australia, Peter Beattie won a series of crushing victories as Queensland Premier and retired undefeated in 2007 after more than nine years in the job. During most of that time he was also the Minister for Trade. His presentation looked at investing in innovation and economic growth during a down turn, and how Australian industries lend themselves to the commercialisation and export of their innovation and smarter services.

**CANCER IMMUNOTHERAPY: HERE AT
LAST! WITH DR IAN FRAZER AC**

Dr Ian Frazer, the Head of the Translational Research at the University of Queensland and 2006 Australian of the Year, explained the science behind immunotherapy as a means to manage cancer, and gave his insights into why he believes it will become a routine part of the management of some cancers.

Dr Frazer leads a research group working on the immunobiology of epithelial cancers, heads a biotechnology company, Admedus Vaccines, which is working on new vaccine technologies, and is a board member of several companies and not-for-profit organisations. He was the co-inventor of the technology enabling the HPV vaccines, currently used worldwide to help prevent cervical cancer.

STAN GRANT: TALKING TO MY COUNTRY

In conjunction with Matilda Bookshop

Stan Grant discussed his latest book, *Talking to My Country* – a personal meditation on what it means to be Australian, what it means to be Indigenous, and what racism really means in this country. As one of Australia's leading journalists, Mr Grant spent many years outside Australia, working in Asia, the Middle East, Europe and Africa, a time that liberated him and gave him a unique perspective on Australia.

**THE CENTRE ALSO PRESENTED THE
FOLLOWING LECTURES DURING 2016:****19TH ANNUAL HAWKE LECTURE: FORGIVING...
THE ONLY WAY FORWARD**

Delivered by The Reverend Canon Mpho Tutu van Furth

The youngest of the four children of Desmond and Leah Tutu, Rev. Tutu van Furth (pictured), is an ordained Episcopal Priest. Her lecture explored the concept of forgiveness, explaining how post-apartheid South Africa



avoided a bloodbath, and instead chose the difficult path of confession, forgiveness and reconciliation.

Rev Tutu van Furth's life has focused on her commitment as a global citizen and leader in a world that has become increasingly more connected and interdependent on every level.

**2016 UniSA NELSON MANDELA LECTURE: WEALTH OF A
DIFFERENT KIND DELIVERED BY GERALDINE COX AM**

Presented by The Bob Hawke Prime Ministerial Centre and the UniSA School of Law

Geraldine Cox is often described as an Australian living legend. She gave up a life of excess and luxury to live in Cambodia and look after some of the poorest people on the planet. After 22 years as President and Founder of Sunrise Cambodia, Geraldine knows that community development with a focus on education and health is the only way to truly enable some of the poorest people in the world to create this tangible, lasting, wealth of a different kind.

**INAUGURAL UniSA ENTERPRISE ORATION DELIVERED
BY JOSÉ RAMOS**

In association with Adelaide Festival of Ideas and UniSA's Science and Creativity Museum

Dr José Ramos' work focuses on foresight-informed breakthrough design and innovation to enable systemic transformations. In his talk he touched on several key transformations we can expect from future cities and challenge slow-moving social structures by linking foresight to action.

ARTS FOR SOCIAL CHANGE

Sponsored by UniSA Business School and the Bob Hawke Prime Ministerial Centre

In one of its most ambitious exhibitions yet, Catherine House presented CHART, featuring the creative work of women who, for a range of

ABOVE/ 19TH ANNUAL HAWKE LECTURE: FORGIVING...
THE ONLY WAY FORWARD, DELIVERED BY THE REVEREND CANON MPHOTO TUTU VAN FURTH

reasons, have become homeless and have accessed the services of Catherine House, including their innovative 'Arts for Social Change' program.

The vibrant mixed media display, themed Shoulder to Shoulder, featured the work of 25 artists, and their children. For some women, this was their first artistic attempt or their first exhibition.

Dr Kristin Alford was appointed director of UniSA's Museum of Discovery (MOD.). A specialist in foresight planning, Dr Alford says the museum will play an important role in engaging new audiences with science and its potential and that dual lens – the wider environment and context and the long view into the future.

With a degree in Engineering and a PhD from the University of Queensland, Dr Alford forged her early career in metallurgy and the resources sector before moving into strategy development and science communications and completing a Master of Management at Swinburne University.

Prior to this appointment, she was the Founding Director of foresight agency Bridge8, a consultancy working with organisations on how to consider, communicate and act on complex challenges.

She has been CEO of a start-up company, a marketing consultant, a stakeholder engagement consultant and worked in human resources management and workplace strategy for major companies and organisations from BHP to Air New Zealand.

SAMSTAG 2016: A YEAR TO CELEBRATE

In 2016, the Samstag Museum celebrated the 25th birthdays of UniSA and the Samstag Scholarships with a special program of exhibitions and associated events.

The year began with **Magic Object**, the Adelaide Biennial of Australian Art presented in partnership with the Art Gallery of South Australia. Curator Lisa Slade wondered if artists are the last magicians – “conjurers of magical objects and spell-binding experiences” – and the Samstag presented a special selection of works, including Juz Kitson's sculptural forms that dropped from the ceiling and encrusted the gallery walls.

In June, the world's richest prize for landscape, the **Fleurieu Art Prize**, was presented in the city for the first time since its inception 18 years ago.

Concurrent with the Fleurieu Art Prize, the third and final instalment in the Revealed series of exhibitions took the pulse of private collecting. **Revealed3: someone's and everyone's** examined the role of the collector in supporting artists who work in the intriguing practice of contemporary jewellery.

In **Experimenta Recharge**, the 6th International Biennial of Media Art featured artists who experiment with media and technology. The work of Australian artists such as Brook Andrew and Khaled Sabsabi were presented alongside that of more than 20 other artists from as far afield as Brazil, Germany, Japan, the Netherlands, the UAE and the US.

The program concluded with the two special anniversary exhibitions program: **Meet the Samstags: Artists and Benefactors** and **Quicksilver: 25 years of Samstag Scholarships**. Both highlighted the impact UniSA has been able to have on the cultural fabric of South Australia through its stewardship of Anne and Gordon Samstag's wonderful legacy.

Meet the Samstags illuminated the enigmatic people behind the Samstag Legacy, showcasing the artistic talents of Anne and Gordon Samstag, two American emigrants with unusual family backgrounds who

were motivated to support and encourage the careers of Australian artists. This timely exhibition complemented a major scholarly biography of the Samstags, *The Samstag Legacy: An Artist's Bequest*, which was published by the Samstag Museum for the University of South Australia's 25th birthday.

Rounding off the 2016 celebrations, Quicksilver reflected on the impact of the Samstag Scholarships on the trajectory of contemporary Australian art. Pivotal works by six distinguished Samstag scholars highlight the exciting talent that the University of South Australia has had the pleasure of assisting over the last quarter century.

The Samstag scholarship winners for 2017 were **Zoe Kirkwood** and **Jacqueline Felstead**. Zoe graduated from the South Australian School of Art within UniSA and plans to use her scholarship to study at Goldsmiths at the University of London. Jacqueline is a graduate of the Victorian College of the Arts and plans to study at the Royal College of Art in London.

Anne & Gordon Samstag Museum of Art Director **Erica Green** has been appointed curator of the 2018 Adelaide Biennial of Australian Art.

1/ NICHOLAS FOLLAND, *DANCING WITH DARWIN*, 2016, 9 FOUND DOMESTIC CHAIRS, STRING, WOOD, ELECTRIC MOTORS, DIMENSIONS VARIABLE. INSTALLATION FOR QUICKSILVER: 25 YEARS OF SAMSTAG SCHOLARSHIPS AT SAMSTAG MUSEUM OF ART, UNIVERSITY OF SOUTH AUSTRALIA.

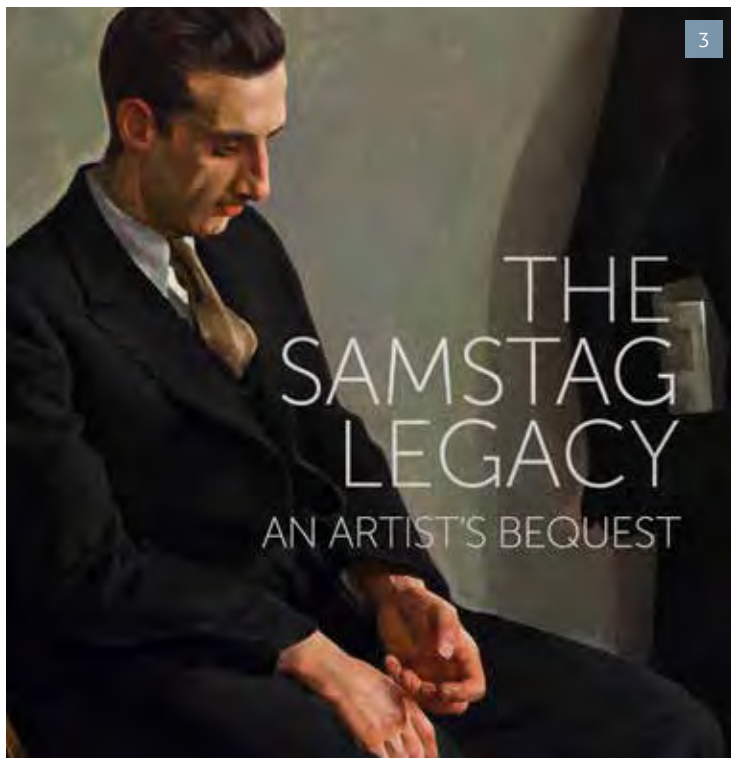
2/ FLEURIEU ART PRIZE 2016 WINNER TONY ALBERT WITH JUDGES SUHANYA RAFFEL, ERICA GREEN AND NIGEL HURST AT SAMSTAG MUSEUM OF ART, UNIVERSITY OF SOUTH AUSTRALIA.

3/ *THE SAMSTAG LEGACY: AN ARTIST'S BEQUEST*, PUBLISHED BY SAMSTAG MUSEUM OF ART, UNIVERSITY OF SOUTH AUSTRALIA 2016. ESSAYS BY LEA ROSSON DELONG AND ROSS WOLFE.

4/ *QUICKSILVER: 25 YEARS OF SAMSTAG SCHOLARSHIPS* INSTALLATION AT SAMSTAG MUSEUM OF ART, UNIVERSITY OF SOUTH AUSTRALIA.

5/ GARRY STEWART AND AUSTRALIAN DANCE THEATRE, *PROXIMITY INTERACTIVE* 2016, INSTALLATION FOR 2016 ADELAIDE BIENNIAL OF AUSTRALIAN ART: MAGIC OBJECT AT SAMSTAG MUSEUM OF ART, UNIVERSITY OF SOUTH AUSTRALIA.

6/ INSTALLATION OF 2016 ADELAIDE BIENNIAL OF AUSTRALIAN ART: MAGIC OBJECT AT SAMSTAG MUSEUM OF ART, UNIVERSITY OF SOUTH AUSTRALIA.







1/ AND 2/ 2016 SANTOS TOUR DOWN UNDER
 3/ AND 4/ 2016 SCHOOLS' HEAD OF THE RIVER REGATTA
 5/ AND 6/ Unisa T BAR AND PLANET TALKS AT THE 2016 WOMAdelaide
 7/ 2016 Unisa AUSTRALIAN HPV SUPER SERIES

DIVISION HIGHLIGHTS

The UniSA Business School

HELPING COMPANIES GROW

The Business School partnered with Solstice Media, Prescott Securities and the Adelaide Convention Centre for the second South Australian Business Index – a list of the State's top 100 companies. The leading company received a growth development package worth \$30,000 provided by Centre for Business Growth.

Led by **Professor Jana Matthews**, an international expert on entrepreneurial leadership and business growth, the Centre delivers an intensive one-day Growth Assessment Clinic to help companies develop an action plan to achieve growth. In 2016, the State Government announced that it would fully subsidise the clinic fee for 240 South Australian CEOs/MDs.

AICD LINKS WITH MBA

The Business School announced a new relationship that enables students to complete the Australian Institute of Company Directors' (AICD) Company Directors Course as an elective within its MBA.

AICD is the world's largest membership and accreditation organisation for corporate governance. The course provides students with a deep understanding of the role and responsibilities of company directors for decision-making, risk management, legal compliance and financial performance.

MBA IN DEMAND

The View from the Top seminar and networking series gave MBA and Masters students and alumni the opportunity to engage with executives and thought leaders, share leadership and industry insights and to advance debate on global issues. The 2016 program included:

- **Data Driven = Disruptive** with Dr Roger Kermode, an expert technology strategist and Practice Principal at Hewlett-Packard Enterprise;
- **Emerging Sectors** with Ms Julianne Parkinson, an alumna of UniSA Business School, with 25 years' global consulting experience with Ernst & Young, KPMG and Herbert Smith Freehills;
- **Financial Turnarounds** with Ms Elaine Bensted, alumna of UniSA Business School and Chief Executive Officer at Zoos SA;
- **Leadership and Complex Decision Making** with Mr Jim McDowell, UniSA Chancellor and former CEO of BAE Systems Saudi Arabia;
- **Purpose Driven Innovation** with Professor David Paterson, an internationally recognised Strategic and Social Innovation Consultant and the former Director: Innovation, World Vision;
- **The 12 Powers of a Marketing Leader** with Professor Patrick Barwise, Emeritus Professor of Management and Marketing, London Business School (UK).

DIVISION HIGHLIGHTS

Education, Arts and Social Sciences

STUDENT DESIGN SOLUTIONS WELL RECEIVED BY INDUSTRY

The major projects of the Graduate Diploma of Design (Industrial Design) class of 2016 were showcased through an exhibition at the Kerry Packer Civic Gallery in November. As a result of their efforts, several students were invited to present and develop their concepts further with local companies, agencies and not-for-profit organisations.

- Industrial Design students **Liam Knowles** and **Michale Dimonte** developed a wide format fireplace for high end domestic and hospitality applications. The project required research into fireplace use, current and future domestic styling trends and firebox technology. Students developed numerous physical and computer models to develop the mechanical and visual elements of the design. Liam has been offered the opportunity to work with traditional wood range heater manufacturer, Nectre, to develop his proposal to a functional prototype stage.
- **Nori Sekiya** worked with Orthotics specialists at the Women's and Children's Hospital to develop a system that enables them to detect the pressure inside the braces used for treating scoliosis. Currently the amount of force applied by braces is based on the clinician's experience and user feedback. Nori's design enables them to get clear quantitative information about the forces to help fitting braces. As part of the project, Nori built a functioning prototype using Arduino (an open-source electronics platform) to evaluate and test the design.
- **Nick Jolly** looked at problems in aged residential care and designed a better bed with a number of useful features that make the bed user-friendly and increase client safety. His new design puts the array of technology used in patient care and which creates a jumble of cords that can be a tripping hazard, into the bedhead and also fits the lamp into the bedhead with the switch fitted alongside the bed in easy reach. Another innovation is lighting that illuminates the ground when people get out of bed at night, also increasing safety. Nick is now talking to an Australian furniture manufacturer about his aged-care concept.



EASS AND THE BUSINESS SCHOOL JOIN FORCES

The Division of EASS and the UniSA Business School have submitted a proposal to the Australian Housing Urban Research Institute (AHURI) to join the Housing Network. Membership of the Housing Network provides access to funding under AHURI's Research Program. AHURI's Research Program aligns with strengths in EASS in Indigenous research, urban and regional planning, social policy (including social care, ageing and NDIS) and cultural analysis of diversity.

DIVISION HIGHLIGHTS

Health Sciences

MIDWIFERY CLINIC A FIRST

South Australia's first university-based midwifery service opened on the City East Campus in November (pictured).

The Midwifery Clinic will help provide the latest evidence-based care to support women through their pregnancy and post-childbirth, while enabling UniSA midwifery students to gain significant hands-on learning opportunities.

CONTRIBUTING LOCALLY AND GLOBALLY TO MENTAL HEALTH

UniSA continued to deliver quality mental health research and engagement locally and globally in 2016. **Professor Nicholas Procter** (pictured), Sansom Institute for Health Research, is a member of an international consortium of researchers from Norway, Germany, Kosovo, Sweden and Serbia looking at mental health and quality of life among refugees and asylum seekers. Prof Procter has also been appointed to the National Mental Health Commission's Advisory Group on Suicide Prevention, established to provide advice, expertise and strategic support on suicide prevention in Australia.



Prof Procter and Research Associate, **Dr Monika Ferguson**, have developed a partnership with UK organisation Open Minds and Connecting with People, which develops and delivers mental health and suicide prevention and mitigation training. This led to the local delivery of suicide mitigation training to South Australian public health clinicians, in partnership with the Office of the Chief Psychiatrist, SA Health.

Professor of Midwifery Mary Steen, Sansom Institute for Health Research, co-edited 'Mental Health Across the Lifespan', released in late 2016 with **Professor Michael Thomas**, the now Vice-Chancellor and Professor of Organisational Leadership at the University of Central Lancashire in the UK. The book is an introduction to mental health for students and acts as a useful reference for health professionals and other support workers.

BRINGING NEUROSCIENCE TO THE AFL

Professor Lorimer Moseley, Sansom Institute for Health Research, started consulting to Port Adelaide Football Club in 2016. Prof Moseley is working with the Power players and coaches so they better understand fatigue and pain, this aims to help develop players performance with a mental approach rather than having to train harder.

20 YEARS WITH HELPING HAND

The University of South Australia and Helping Hand Aged Care have celebrated 20 years of an enterprising and fruitful partnership with the signing of a memorandum of understanding underpinning the ongoing collaboration of our two organisations.

There has been significant growth in this partnership, from its origins as a nursing placement program to a multifaceted relationship with student placements

ABOVE LEFT/ L-R: DR LOIS MCKELLAR, MIDWIFERY PD, STUDENTS ANNA POWELL AND KAYLA KEMP WITH PROF CAROL GRECH, HEAD OF SCHOOL: NURSING AND MIDWIFERY AT THE MIDWIFERY CLINIC AT CITY EAST CAMPUS

ABOVE RIGHT/ MS DIANNE HARDY (MIND), DR MARK LOUGHHEAD (UniSA), MS JANICE HOGAN (MIND), PROF NICHOLAS PROCTER (UniSA) AND MS BRONWYN LAWMAN (MIND) AT THE 8TH SHARED LEARNING IN CLINICAL PRACTICE SYMPOSIUM, MOUNT GAMBIER CAMPUS

across a variety of disciplines and a range of research projects. Working together has helped to deliver change across important areas of aged care services policy and practice as well as UniSA delivering more than 17,000 placement hours of service in 2016.

1.1 MILLION HOURS AND MORE THAN 15,000 SERVICES

Health Science students delivered 1.16 million placement hours to the community in 2016. More than 3,000 students undertook close to 8,000 placements in hospitals, aged care and community settings last year, including more than 130,000 hours across rural South Australia. As well as a valuable learning tool, this contributes greatly to community care and health service delivery.

The University also run several health clinics for students to build their placement hours and deliver low cost health services to the community. 15,978 occasions of service were delivered to the public in UniSA Clinics. In addition, the Mobile Allied Health Clinic spent plenty of time on the road with student volunteers delivering more than 1000 health related assessments at 28 events or community centres in the northern suburbs of Adelaide.



DIVISION HIGHLIGHTS

Information Technology,
Engineering and the
Environment

SCIENCE AND ENGINEERING CHALLENGE

UniSA hosted more than 700 Year 10 students from 24 South Australian high schools at Mawson Lakes Campus in June as part of the nationwide Science and Engineering Challenge run by the University of Newcastle.

The students were involved with such activities as building a hovercraft from balsa wood, polystyrene trays, masking tape and propellers, or a bionic hand from straws, string and rubber bands. The day culminated in a 'strongest bridge' challenge.

NEW COLOMBO PROJECT IN FIJI

Dr Gunnar Keppel and **Dr Sharolyn Anderson** took 10 UniSA students to Fiji in July as part of a project to establish permanent biodiversity monitoring sites and build capacity for biodiversity and environmental risk assessment (pictured). Funded by the Australian Government through the New Colombo Plan, the project is a joint initiative between UniSA, Flinders University and the University of the South Pacific.

ABOVE/ NEW COLOMBO PROJECT PARTICIPANTS IN COLO-I-SUVA FOREST RESERVE, FIJI.

RIGHT/ NURSING STUDENT AT MOUNT GAMBIER CAMPUS



A globally visible University with global reach and leverage

In our strategic action plan, Crossing the Horizon, we committed to build enduring and mutually beneficial relationships with our global alumni and international partners. Here's what we did in 2016.

UniSA CHINA PARTNERSHIPS

CHINESE PARTNERSHIP TO BOOST MINING

A new research partnership between UniSA and China's **Central South University** has the potential to revolutionise process control in mineral processing and ensure the Australian and Chinese mining sectors remain operable and profitable.

The aim of the joint research centre is to develop powerful sensing platforms for mineral processing by bringing together experts in mineral processing chemistry, analytical chemistry, and spectroscopy and photonics. It is one of six innovation partnerships funded by the Australia-China Science and Research Fund.

The outcomes of this research will be developed into practical technology by industry partner **Magotteaux Australia**, a world leader in applying sensing platforms for monitoring the chemistry of mineral processing.

SPEARHEADING PHARMACEUTICAL INNOVATIONS

UniSA has signed Memoranda of Understanding with two of China's leading drug development and pharmaceuticals manufacturers to support the development of new drugs and treatments in stem cell biology and drug reformulation technology (pictured).

Based in Nanjing, the **D&R Pharmaceuticals** group includes Real Pharma, which has at least 20 products available in the Chinese market. It plans to establish an Adelaide-based company and is expected to make further investments in high potential UniSA-based research projects.

D&R already has committed funds to contract research focussed on stem cell applications in regenerative medicine that is led by **Professor Xin-Fu Zhou** in the University's Sansom Institute for Health Research.

UniSA will be licensing the Ceridia drug reformulation technology, developed at UniSA by a team led

by **Professor Clive Prestidge**. This research has focused on solving the problem of drug absorption in the gut using sophisticated nanotechnology that improves the efficiency of medications.

UniSA also has joined forces with China's **Qianhong-LeSun Pharma** group to establish a multi-million dollar Sino-Australian Joint Laboratory in Innovative Drug Discovery to fast track the development of new treatments for cancer.

Led by the Sansom Institute for Health Research's **Professor Shudong Wang**, an internationally renowned leader in kinase targeted drug discovery, the UniSA team will identify pre-clinical drug candidates.

DEVELOPING A NEW CURRICULUM

UniSA's Research Centre for Languages and Cultures is developing the language and content curriculum for South Australia's first Chinese Bilingual School at William Light R-12 school.

Associate Professor Angela Scarino and **Associate Professor Kathleen Heugh**, together with PhD researcher **Anne Li**, have been chosen to undertake William Light's curriculum and assessment development, evaluation and research, as well as teacher development.

A HUB FOR KOREAN LANGUAGE, CULTURE AND BUSINESS

UniSA was selected to establish a **King Sejong Institute** in Adelaide as a hub for Korean culture, business and language education. It is one of only nine in the world, and the only one in Australia.

The new Institute builds on the University's already productive research and student exchange relationships with Korea.

The Business School's Australian Centre for Asian Business is building research connections and undertaking research in relation to Korea, and the Asia-Pacific



Centre for Arts and Cultural Leadership, a collaboration with the Adelaide Festival Centre, is establishing partnerships with performing and visual arts in Korea.

NEW AUTOMOTIVE INNOVATION CENTRE

UniSA has signed a Memorandum of Understanding with the **Malaysian Automotive Institute** to establish a new Automotive Innovation Centre to be hosted by our Future Industries Institute.

The Centre will pioneer fresh innovations in nanotechnology and materials science to advance the automotive industry.

Initial projects will include the development of lightweight, large, format thermal management windows for the automotive industry and opportunities for functional fabrics.

“NEW COLOMBIANS” TO STUDY OFFSHORE

Three UniSA students are heading offshore to work and study in 2017 through the Australian Government's New Colombo Plan Scholarship Program.

Bachelor of Construction Management and Economics (Honours) student **Tristan Winters** has been awarded the special honour of 2017 New Colombo Plan Fellow for Malaysia. He will study for two semesters at the University of Malaya, then undertake an internship with a prominent construction firm in Kuala Lumpur.

Hannah Kemp (pictured), will undertake studies and an internship in South Korea relating to her Bachelor of Business (Marketing) and Bachelor of Business (Tourism and Event Management) double degree. While studying



at Sookmyung Women's University, she will facilitate a study tour for local students to come to South Australia.

Kogo Fujiki, who is studying a Bachelor of Journalism and Bachelor of International Studies, will undertake his study and internship in Fiji.

As well as the scholarships, UniSA was awarded \$539,400 for 12 New Colombo Plan mobility projects.

NEW PARTNERSHIPS WITH INDONESIA

UniSA's highly successful 2016 Graduate Certificate in Data Analysis for Policy Review and Formulation supported by the Department of Foreign Affairs and Trade, Australia Awards through Coffey, is just one successful example of the kinds of collaboration with Indonesia that will flow from a new partnership forged by the Australian Technology Network of Universities (ATN).

The Graduate Certificate program saw 25 of Indonesia's senior public servants from key departments study data analysis at UniSA to build skills to ensure the highest possible policy evaluation standards in their departments.

Two new partnerships were created with Indonesia in 2016. One between the ATN and Indonesia's Ministry of Religious Affairs (MORA) strengthens ties between the two countries and opens up more opportunities for Indonesian students to further their academic and professional careers across the five-state network of ATN universities. The second partnership, between ATN and the Ministry of Research, Technology and Higher Education Republic of Indonesia (Ristekdikti) will support collaboration on research student and staff exchanges.

ABOVE LEFT/ SIGNING OF MOU WITH D&R PHARMACEUTICALS

ABOVE RIGHT/ FEDERAL MINISTER FOR EDUCATION AND TRAINING SIMON BIRMINGHAM WITH UniSA STUDENT TRISTAN WINTERS, MINISTER FOR FOREIGN AFFAIRS JULIE BISHOP, UniSA STUDENTS HANNAH KEMP AND KOGO FUJIKI, AND UniSA DEPUTY VICE CHANCELLOR: EXTERNAL RELATIONS AND STRATEGIC PROJECTS, NIGEL RELPH.

MAKING SPACE OUR FRONTIER

UniSA played a key role in what has been called the world's largest hackathon. Simultaneous events were held in 72 countries as part of the International Space Apps Challenge, which saw participants develop mobile applications, software, hardware, data visualisations and platform solutions that will contribute to space exploration missions and help improve life on Earth.

Space is a field in which UniSA plays a leading role in Australia. As a continuing host of the Southern Hemisphere Summer Space Program, in partnership with the International Space University, UniSA has staged events including astronaut panels, public talks by cosmologists, space policy debates and a balloon mission to the stratosphere.

In addition, telecommunication research at UniSA has led to the formation of **Myriota Pty Ltd** (pictured), a company which will use low earth orbit satellites to provide two-way data connectivity for remote sensors and devices, with potential applications across a range of industries.

STUDYLINK TO SPEED UP INTERNATIONAL STUDENT APPLICATIONS

StudyLink, a new online system to speed up international student applications and to simplify the acceptance and payment process, went live in June 2016. Paper applications from already have decreased from 80 per cent to 20 per cent, halving the time taken between application and acceptance.

As part of the StudyLink project, the University also implemented an online payment system for international students through Western Union GlobalPay for Students. This has significantly streamlined the payment process.

CHINA AGENT RETREAT

Thirty of UniSA's highest performing Chinese Agents took part in a successful three-day retreat in Jiuzhaigou in Sichuan Province in 2016. Divisional Heads of the Business School, Education Arts and Social Sciences, and Information Technology, Engineering and the Environment attended, along with several the University's international staff.

It was the largest retreat the University has held since a similar event in Malaysia in 2013.

CRICKET IN SRI LANKA

UniSA International hosted 40 key stakeholders, including agents and school principals, in a corporate box at the Australia vs Sri Lanka T20 cricket match in Colomb

Part of a three-day partnership event, the following two days involved 11 of the best high schools in Colombo competing in a cricket tournament hosted by UniSA, SAIBT (South Australian Institute of Business and Technology) and the University's Sri Lankan agents, ANC Education.

WE CELEBRATED OUR 25th WITH ALUMNI EVENTS

To celebrate our 25th birthday year UniSA hosted a series of alumni events across Australia and around the world. Alumni events were held in Malaysia (pictured), Hong Kong, Singapore, Seoul, Beijing and London and back in Australia there were alumni reunions in Sydney, Melbourne, Perth, Brisbane, Canberra and Mount Gambier.

DIVISION HIGHLIGHTS

The UniSA Business School

INTERNATIONAL AGRICULTURAL RESEARCH

Professor Henning Bjornlund, a Research Professor in Water Policy and Management in the School of Commerce, participated in the review of a four-year research project funded by the Australian Centre for International Agricultural Research (ACIAR), Increasing irrigation water productivity in Mozambique, Tanzania and Zimbabwe through on-farm monitoring, adaptive management and agricultural innovation platforms.

As a direct outcome, Prof Bjornlund was granted \$20,000 by ACIAR to lead a delegation of three African collaborators to the 2017 World Water Congress in Mexico and organise a special session reporting the main results of the project. He also was granted \$60,000 to answer a number of questions about gender and youth.

LABOUR MARKET INTERVENTIONS

The Institute for Choice (I4C) is working with the World Bank to develop a job preferences and program assessment tool to improve the identification, design and implementation of labour market interventions for young people. The pilot was conducted in Lebanon and the second stage is now being replicated in Kenya. I4C has also applied its discrete choice expertise to the defence sector, working with the New Zealand Defence Technology Agency (DTA) to develop a decision-support model which will support DTA to strengthen planning, project selection and investment decisions, and evaluate outcomes. Other industry-based projects include research into the value of working time for a leading national business services provider to identify how workers value time across the working week and the value of time for public holidays. In the health sector, I4C is working with large pharmaceutical companies to develop



a formalised framework for health care decision-making that incorporates a broader patient-driven perspective. This important work will ensure that patients' responses to treatment will inform drug design, delivery and regulation in the future, and will improve patients' access to medicines and devices that suit their health care needs.

THE INTERNATIONAL CENTRE FOR ALLIED HEALTH EVIDENCE

With a mission to contribute to better health and wellbeing for all through evidence-based allied health care, the Sansom Institute for Health Research's International Centre for Allied Health Evidence (ICAHE) delivered in 2016.

The South African Guidelines Excellence Project reached its third year of engagement with the joint delivery of five-day intensive course on clinical guidelines writing and implementation at Stellenbosch University, Capetown. This tripartite collaboration was delivered in conjunction with the Medical Research Council of South Africa to graduating students throughout Africa.

The 10 year history of iCAHE work with the Accident Compensation Commission in New Zealand continued in 2016. **Dr Steve Milanese**, Senior Lecturer in Physiotherapy, reviewed research evidence through scoping and systematic reviews to influence and change policy.

Dr Milanese also presented workshops in India and Malaysia about integrating evidence-based practice principles into musculoskeletal physiotherapy practice. Holding an adjunct Fellow position in the Faculty of Health and Life Sciences at INTI University, Malaysia, workshops were delivered over two days to local clinicians, academics and students. Workshops in India were delivered in Mangalore, India in conjunction with the Father Muller College.

MEASURING UP ATHLETE PERFORMANCE

Professor Jon Buckley, Sansom Institute for Health Research, has been working closely with the global heart



rate monitor manufacturer, Polar Electro, based in Finland. In 2016 this collaboration led to a unique approach to measuring heart rate acceleration to track the readiness of athletes to perform. The approach has been patented in the USA, with patents pending in Australia and Europe.

CHINA-AUSTRALIA CENTRE FOR HEALTH SCIENCE RESEARCH

A 15 member UniSA delegation visited Shandong in November 2016 for a series of industry visits and the third annual China-Australia Symposium in Health Science Research. Attended by around 100 researchers from the Shandong University and local industry, the event provided ample opportunities for collaboration and engagement between research and industry. The SDU Zibo Biomedicine Research Centre and Shandong Xinhua Pharmaceutical company were included in the visits.

Since the establishment of the Centre in 2013, 44 joint papers have been published as a result of the collaboration between the University of South Australia and Shandong University. In fact, with 10 papers published in 2016, Shandong University is our top Chinese collaborator for joint projects and publications.

DIVISION HIGHLIGHTS

Education, Arts and Social Sciences

INTERNATIONAL MOTHER LANGUAGE DAY

The Global Education Monitoring Report policy paper *If you don't understand, how can you learn?* was released for UNESCO's International Mother Language Day in February 2016. This substantially draws on research undertaken by **Kathleen Heugh**, Associate Professor in Applied Linguistics from the

ABOVE LEFT/ VICE CHANCELLOR DAVID LLOYD WITH unisa ALUMNI AT MALAYSIA'S 25th BIRTHDAY DINNER.

ABOVE RIGHT/ MYRIOTA'S CHIEF TECHNOLOGY OFFICER, DR DAVID HALEY AND CHIEF EXECUTIVE OFFICER, DR ALEX GRANT.

School of Communication, International Studies and Languages. This report is an authoritative reference that aims to inform, influence and sustain genuine commitment towards the global education targets in the new sustainable Development Goals framework.

VALIDATING WEARABLE TECHNOLOGIES

Associate Professor Siobhan Banks and **Associate Professor Jill Dorrian**, together with researchers in the Centre for Sleep Research, have established an international connection with the Institutes for Behavioural Research in the United States of America to work on a collaborative project validating wearable technologies. They also have a new connection with the University of Bergen after being invited to attend and speak at a workshop on *Models of Shiftwork*. They also continue to develop their collaboration with State University, and an application has been made to the US Office of Naval Research to investigate novel ways to reduce jetlag.

MAURICE DE ROHAN INTERNATIONAL SCHOLARSHIP WINNER

Alex Chatburn from the School of Psychology, Social Work and Social Policy was awarded the Maurice de Rohan International Scholarship. Alex is supervised by **Dr Mark Kohler** and **Professor Kurt Lushington** and will use the scholarship to visit the Memory and Learning Group at the University of Birmingham, UK. The scholarship gives higher degree research students an opportunity to gain an international perspective and improve their thesis through research, data collection or work with institutional or industry partners.

KEYNOTE SPEAKER ON SOCIAL AND ENVIRONMENTAL SUSTAINABILITY

Professor Lester Rigney was invited to China to present the keynote address at the 4th FASIC International Conference, *Sustainability: Social and Environmental*. The conference was hosted by the Centre for Australian Studies and the Centre for Oceanian Studies at Sun Yat-sen University, and co-organised by the Australian Studies Centre at Peking University.

EDUCATING ETHIOPIAN STUDENTS WITH DISABILITIES

Professor Roger Slee was contracted to be the Short Term International Expert to a major education development project in Ethiopia that aims to build the capacity of the Ministry of Education, its schools and Colleges of Teacher Education to educate students with disabilities. Prof Slee wrote a Common Core Module for the 36 Colleges of Teacher Education and trained the College lecturers in the implementation and use of its materials. He also wrote the new Practicum Module for teacher education and trained College lecturers.

DIVISION HIGHLIGHTS

Information Technology,
Engineering and the
Environment

EWHA WOMANS UNIVERSITY MOU

UniSA's Deputy Vice Chancellor and Vice President External Relations and Strategic Projects, **Nigel Relph**, hosted a delegation from the Ewha Womans University in South Korea in June to discuss potential research collaborations. A Memorandum of Understanding was signed to facilitate a joint proposal to the South Korean Government from Ewha and UniSA's Future Industries Institute (FII) to establish the FII-Korea Research Centre.

CHINESE JOINT CENTRES

A delegation from Tianjin University visited UniSA in September, during which the second phase of the **China Australia Centre for Sustainable Urban Development** (CAC SUD) was launched. CAC SUD will explore the opportunities and challenges of a region experiencing rapid urbanisation and population growth and will advance science and knowledge of sustainable urban development for Asia-Pacific cities through fundamental and applied application-focused research.

Two other of UniSA's joint centres in China also flourished during 2016: the **China-Australia Centre for Health Sciences** with Shandong University saw several new joint research projects initiated and its Annual Symposium held in Adelaide; and the **China-Australia Centre for Enterprise**.

SOUTHERN HEMISPHERE SPACE STUDIES PROGRAM

The Southern Hemisphere Space Studies Program, a collaborative enterprise between UniSA and the International Space University (ISU), returned to Mawson Lakes in January and attracted 31 participants from 10 countries.

In addition to lectures, workshops, public panel events, and the main team project white paper, the participants undertook to build a stratospheric balloon payload which was successfully launched from Mount Barker on Australia Day. The event was covered by the ABC and Channel 9.

The students delivered their white paper *Sensing Progress: Space Solutions for Food and Water Security* at a public presentation in February 2016 which was livestreamed and watched by ISU alumni and staff worldwide. Five of the cohort are now enrolled in the Graduate Certificate in Space Studies.



Key enablers and supports

In our strategic action plan, *Crossing the Horizon*, we committed to our governance and administration being efficient and effective with a strong commitment to a culture of service excellence. Here's what we did in 2016.

unijam2 HELPS SHAPE THE ENTERPRISE

UniSA went back to the future in May when it reprised unijam, the hugely successful online brainstorming session held in 2013.

The 30-hour unijam2 brought together staff, students and friends of the University and once again produced some great ideas and conversations, this time to help refine UniSA's strategic plan, *Crossing the Horizon*.

Almost 4600 participants registered and the jam generated 18,217 visits from 55 countries, with 314,073 page views. This time the event was live-streamed and again it trended on Twitter.

High profile guest-jammers included State and Federal MPs – among them Simon Birmingham, Christopher Pyne, Jay Weatherill, Stephen Marshall, Susan Close and Kyam Maher – and higher education journalists Julie Hare (The Australian) and Phil Baty (Times Higher Education).

Topics that generated the most interest included how to improve staff and student connections, the best ways to transition to university, and how to develop closer links between researchers and end users. Students wanted to green the City East campus, power Mawson Lakes campus with solar energy, put on more campus connector buses and increase online study options.

An interesting aspect of the subsequent IBM analysis was a measure of the character of the organisation gathered by mining the posts of all the jammers. It seems the UniSA 'personality' is intrigued by new ideas and their exploration, motivated to seek out new experiences, unconcerned with tradition and keen to carve its own path.

FUNDS FLOW FOR QUICK WINS

Following unijam, in 2016 the Vice Chancellor released investment funds to designated groups across the University for projects which would enable 'quick wins' in response to the feedback from staff.

The Directors' group was allocated \$500,000 and they identified three projects related to 'cutting red tape' with the relevant Director overseeing each project:

- **E-Catalogues:** aimed to improve and simplify the purchase requisitioning process within FinanceOne – led by **Peter Prest**, Chief Financial Officer, and the Finance Unit. The Finance Unit purchased licences and support from TechnologyOne at a cost of \$108,000 to implement electronic catalogues (e-catalogues), significantly improving and simplifying the purchase requisitioning process within FinanceOne.

This investment, in line with the Finance Enterprise Support Plan and the Information System Plan, provides Accredited Purchasing Officers with an 'Amazon-like' requisitioning experience and the ability to compare prices and initiate purchases from a range of catalogues. This enables purchasing decisions to be made at a local level whilst ensuring they are approved in accordance with the University's existing workflows and supporting the CTH proposition for decision making at the right level.

The more efficient purchase-to-pay process also provides transparency in the allocation and use of internal funds; improves cost control; transmits purchase orders and invoices to and from suppliers using Electronic Data Interchange; and enhances fact-based forecasting, through measurement of committed funds to give managers greater certainty and including being able to identify budget pressures much earlier.

- **Online administration:** using Appian to transfer identified paper forms to online forms for more efficient and effective services – led by **Paul Sherlock**, Chief Information Officer (Library and IT), and Information Strategy and Technology Services (ISTS).

ISTS worked with HR and Finance to accelerate the identification and transfer of a number of paper-based forms to the University's business process management tool (Appian). This has enabled forms to be work-flowed and actioned in a more efficient and transparent manner improving our responsiveness and end user experience.

The utilisation of automated forms enables: clear tracking of the progress of the form and of approval processes; the identification of delays and an increased ability to follow up quickly; data cleansing (in empower); embedded logic to assist users in completing the cost centre, item codes and GST codes correctly (finance); exposure and elimination of unnecessary complexities, steps or 'rules' in processes; the simplification and rapid processing of high volume work; and a reduction in the misalignment between risk and red-tape and a better alignment with actual audit requirements.

- **Contract management:** an online solution to enable staff to 'build your own' for low risk contracts – led by **Dr Penny Moore**, Director: Chancellery and Council Services, and Chancellery. Chancellery was allocated \$150,000 to develop a new contract management system. The new system and templates will empower staff to create their own pre-approved and standardised documents for contracts relating to simple and/or frequently occurring transactions. The new system also provides: a faster and more effective document generation process to enable better business outcomes, allow for greater agility and more time to negotiate and/or implement related services or products; a standardisation and workflow approach that will enable greater efficiencies for staff involved in document generation and approval; greater transparency through the simplification of language and removal of unnecessary 'legalise'; and more time for UniSA legal staff to spend on the provision of expert legal advice for complex issues.

DEVELOPING CULTURE

The first year of a three-year leadership development strategy was implemented during 2016. The program comprises an integrated mix of executive coaching, leadership masterclasses and focused development activities for emerging leaders and key management and academic leadership groups, and complements the University's extensive professional development activities.



WELCOME TO SOME NEW FACES

Brendan Hughes was appointed to the role of Director of Student Engagement. He previously held a similar role at the University of Manitoba in Canada, where he led the development of new institution-wide programs in orientation, student volunteerism and student leadership which received national recognition through the Association of Universities and Colleges of Canada.

Jane Booth was appointed to the new role of Executive Director People, Talent and Culture. An experienced leader with expertise in people and talent development, culture transformation and change management, Ms Booth previously was Executive Director of People and Culture for SA Health. Prior to that, she led a broad portfolio of responsibilities for Adelaide City Council.

STREAMLINING HUMAN RESOURCES

The automation of UniSA's administrative processes began in 2016 with employment contracts and a number of human resources forms made available online. A new Workforce Data Suite was also released, providing leaders with access to a dashboard of data to assist with workplace planning.

A three year project was completed in 2016 with the implementation of the new casual administration system enabling online contract development and authorisation with electronic claims for payment improving the experience for our casual workforce.

By the beginning of December Recruitment Central had uploaded 534 jobs and 77 staff had applied for academic promotion. Following a major review of processes, core attributes were integrated into the selection process and talent pools were created.

ABOVE/ unijam2 HQ



University of
South Australia

JEFFREY
SMART
BUILDING

MAIN ENTRY

GOVERNANCE AND MANAGEMENT



Governance and Council



L TO R/BACK ROW STANDING: HON. JOHN HILL, DR WENDY CRAIK AM, ERIC GRANGER, JIM HAZEL, PROFESSOR LEANNA READ, CAREY MOORE, MIRIAM SILVA, PAULINE CARR / FRONT SEATED: PROFESSOR RICK SARRE, JADE O'DONOHUE, PAULA NAGEL AM, JIM MCDOWELL, PROFESSOR DAVID LLOYD, PROFESSOR PAT BUCKLEY, NICK (KA LEUNG) LI.
INSET: TERRY EVANS



The University Council consists of 16 members, including 10 external and six internal positions. External members (including the Chancellor), are appointed or co-opted on the basis of their expertise and commitment to the University's objectives.

University members include the Vice Chancellor, two student representatives, one professional staff member, one academic staff member, and the Chair of Academic Board. Council appoints one of its external members as Chair of each of its standing committees, apart from Academic Board. The Chair of Academic Board is elected by the academic staff.

The University of South Australia Act stipulates that the University will have a Chancellor and Deputy Chancellor, and may appoint up to two Pro Chancellors. The Chancellor is the presiding member of the Council.

Governance and Council

MR JIM MCDOWELL

/ Chancellor
/ LLB (Hons)

Jim commenced as Chancellor of the University of South Australia on 1 January 2016.

Born in Belfast, Northern Ireland, Jim completed a law degree with honours at the University of Warwick (England) in 1977. He worked in legal, commercial and marketing roles with aerospace company Bombardier Shorts for the next 18 years.

Jim joined British Aerospace in Singapore in August 1996. In 1999, he was appointed Regional Managing Director of BAE Systems for Asia, following the merger of British Aerospace and Marconi Electronic Systems and based in Hong Kong. Upon taking over at BAE Systems Australia, Jim established the company's headquarters in Adelaide, South Australia where he lives.

Jim was Chief Executive Officer of BAE Systems Saudi Arabia a \$6 billion company from September 2011 to December 2013.

He is a passionate supporter of continuing education.

He has in-depth experience in corporate governance having served, mainly as Chair on a range of boards including the Australian Nuclear Science and Technology Organisation, Air Warfare Destroyer Principals Council, The du Monde Group Pty Ltd, Total Construction Pty Ltd and Australian Defence Accelerator Ltd. He is a non-executive director of both Codan Ltd and Austal Ltd. Board Member of the Royal Automobile Association (RAA) and St Peter's College Council of Governors.

During his long career, Jim has lived and worked in the UK, the USA, Korea, Singapore, Hong Kong and the Kingdom of Saudi Arabia.

Jim acts in a number of advisory roles to the Minister and the Department of Defence as a member of the First Principles Review of the Department and the Expert Advisory Panel for the Future Submarine Project. In December 2016, Jim was appointed as Government Adviser for the Naval Shipbuilding Plan Development and also appointed as a Board Member of the Australian Strategic Policy Institute Council.

PROFESSOR DAVID LLOYD

/ Vice Chancellor and President
/ BSc(Hons), PhD, CChem, FRSC

Dublin-born and educated in chemistry and specialising in computer-aided drug design, Professor Lloyd joined the University at the beginning of 2013, re-focusing it

as a University of Enterprise and shaping its activities to better meet the challenges of the 21st century.

Globally connected and engaged in helping solve the problems of industry and the professions, the University is now building partnerships that will ensure it remains at the cutting-edge of creativity and new knowledge.

In May 2014, Prof Lloyd was appointed to the South Australia Economic Development Board (EDB) to establish the networks between education, research and industry that will transition the South Australian economy into one of innovation and growth.

Before joining the University, Prof Lloyd was Bursar and Director of Strategic Innovation at Trinity College Dublin, one of Europe's oldest and most prominent universities. He had also been Dean and Vice President of Research at Trinity and was concurrently the inaugural Chair of the Irish Research Council.

He holds a Bachelor of Science (Honours) in Applied Chemistry and a PhD in Medicinal Organic Chemistry from Dublin City University, and was also a Post-Doctoral Research Fellow at Trinity College Dublin.

Prof Lloyd has published extensively in related fields in high impact international journals while generating significant grant income. He is a Fellow of the Royal Society of Chemistry.

DR WENDY CRAIK AM

/ Deputy Chancellor
/ BSc(Hons), PhD, GradDipMgmt, FTSE, FAICD
/ Term of appointment: until 31 Mar 2018

Dr Craik chairs a number of boards including the Climate Change Authority and the NSW Marine Estate Management Authority. Prior to this, she was the Chief Executive of the Murray-Darling Basin Commission, President of the National Competition Council and Chair of the Australian Fisheries Management Authority and of the National Rural Advisory Council.

MR TERRY EVANS

/ Pro Chancellor
/ Special Counsel, Minter Ellison
/ LL.M, FAICD
/ Term of appointment: until 31 Dec 2017

Terry Evans is presently engaged as Special Counsel for Minter Ellison Lawyers, Adelaide. Prior to that he was the Deputy Chief Executive and then Acting Chief Executive for the Justice Department and South Australian Attorney General's Department (2004-2006). He was the Chief Commercial Counsel in the Crown Solicitor's Office from 1996-2004. Before that Mr Evans was a partner

with Minter Ellison and was its managing partner for several years. He holds a number of board positions in the corporate, government and not-for-profit sectors.

PROFESSOR RICK SARRE

/ Chairman of Academic Board
/ LL.B, MA, SJD, JDhc
/ Term of appointment: until 31 Dec 2016

Warwick T. (Rick) Sarre is Professor of Law at the University of South Australia. He was, from 1992 to 1998, the Head of the School of Law and Legal Practice, University of South Australia. He currently lectures in criminology, policing, media law and commercial law with the School of Commerce and the School of Law.

His qualifications include an undergraduate degree in law (Adelaide University), undergraduate studies in religion and sociology (Graceland University, Iowa, USA), and post-graduate degrees in criminology (University of Toronto, Canada) and law (University of Canberra, ACT).

MS PAULINE CARR

/ Member appointed by Council
/ BEc (ANU), MBA, FAICD, FGIA, FCIS
/ Term of appointment: until 31 Dec 2019

Pauline Carr has over 25 years of management and commercial experience in the resources industry with both Australian and international companies. In addition she has over 15 years comprehensive compliance and governance experience with listed company boards.

Previously Ms Carr was a senior executive with Normandy Mining Limited, where she was actively involved in the company's growth, its corporate activities and its international expansion. She is presently a professional non-executive director and also provides management, business improvement, governance, compliance and risk consultancy services to companies in the resources, construction and superannuation sectors.

MS PAULA NAGEL AM

/ Member appointed by Council
/ International Education Adviser
/ BA (Hons), DipT Sec, FAICD
/ Term of appointment: until 31 Dec 2017

Paula Nagel was International Education Adviser attached to the University City Project with the Department of Premier and Cabinet.

Previously Ms Nagel was Chair of Education Adelaide, Marketing Manager of Foundation SA, and a Senior Consultant at Morgan & Banks. In 1997 she established her own company, NBC Resources, a management consultancy that organised board and other high level appointments and provided a range of marketing services. She also established a number of new industry development boards for the South Australian Government.

HON JOHN HILL

/ Member appointed by Council
/ BA, DipEd, LLB, FAICD
/ Term of appointment: until 21 Jul 2017

John Hill's Parliamentary career began in 1997, when he was the Opposition Shadow Minister for the Environment until Labor's election in 2002, from which date until 2013 he served in a number of ministerial roles including Minister for Environment and Conservation (2002 - 2006), Minister for Health (2005 - 2013) and assistant Minister and Minister for the Arts (2002 - 2013).

John retired from the Cabinet in 2013 and Parliament in 2014 and is serving as a member of various boards including ACH Group, Bellberry Ltd, the SA Institute of Educational Leadership and the SALA Festival. John also chairs the University of South Australia's Sci-C-Ed Start-up Program Steering Committee.

PROFESSOR LEANNA READ

/ Member appointed by Council
/ BAgSc(Hons), PhD, FAICD, FTSE
/ Term of appointment: until 16 Dec 2017

Professor Read is Chief Scientist of South Australia. She has been a member of the Council of the University of South Australia since 2011, and she is an Honorary Doctor of the University.

She brings extensive executive, board and investment experience in biotechnology-based enterprises. Prof Read currently chairs the Cooperative Research Centre for Cell Therapy Manufacturing as well as the SA Strategic Plan Audit Committee, and she is non-executive director of biotechnology company, Biosensis Pty Ltd. She is also a board member of Commercialisation Australia, the SA Economic Development Board and the SA Premier's Science and Industry Council and the Australian Academy of Technological Sciences and Engineering.

MS MIRIAM SILVA

/ Member appointed by Council
/ BSc
/ Term of co-opted: until 20 Feb 2019

Ms Silva has more than 20 years' experience across multiple industries including pharmaceuticals, banking and agribusiness managing large and geographically diverse teams. From July 2014 she was Acting Chief Executive of TAFE SA.

She was previously General Manager Commercial Operations for Elders Ltd and held a number of roles with ANZ Banking Group Ltd.

Governance and Council

MR ERIC GRANGER

/ Member appointed by Council
/ FUnISA, FAICD
/ Term of appointment: until 20 Feb 2019

With a background in management, marketing, sales and customer service in retail operations of member based organisations, small business and the health and travel industries, Mr Granger brings significant know-how to business, always with a focus on people.

A former General Manager of leading health insurer Bupa, Mr Granger utilises his strategic business skills as Chair of both the University of South Australia Foundation and the Rundle Mall Management Authority. He is a director at Sportsmed.SA (Private Hospital) and Portalink, (a start-up IT company), and advisor to the Board of Home Support Services in home nursing.

PROFESSOR PAT BUCKLEY

/ Member of Academic Staff
/ Term of appointment: until 31 Dec 2017

Professor Buckley is the Dean of Graduate Studies, prior to which she was the Director of the Sansom Institute for Health Research and Dean Research and Research Education in the Division of Health Sciences at The University of South Australia. She has been the elected academic staff member on the University's Council since December 2011.

A biochemist-turned-physiologist by training, Prof Buckley's current position focuses on transforming research training in the University. She also leads researcher development across the University, targeted at early career researchers, and emerging research leaders.

MR JIM HAZEL

/ Member appointed by Council
/ BEc, FAICD, SF Fin
/ Term of appointment: until 1 Jan 2017

Jim Hazel holds a number of non executive board positions, following a career in the banking industry.

He is a director of ASX listed companies Bendigo & Adelaide Bank Ltd, Impedimed Ltd, Ingenia Communities Group (Chair) and Centrex Metals Ltd (Deputy Chair) and sits on the board of Coopers Brewery Ltd and Motor Accident Commission, as well as a number of other private company and government boards.

MS JADE O'DONOHUE

/ Member of Professional Staff
/ Manager: Strategic Development for the Business School
/ Term of appointment until 31 December 2017

Jade O'Donohue is a senior manager and professional with more than 15 years' experience in academic and student administration in the Australian higher education sector. She holds a Bachelor of Arts (Honours) and a Graduate Diploma in Business Administration, and is enrolled in a Master of Management.

Jade is responsible for activities with an external relations or strategic communications focus, and for leading and managing the provision and continuous improvement of Business School based administrative services, processes and systems across a broad range of functions.

She also holds the position of Professional Staff Representative on the University's Academic Board (term 2015-2016).

MR CAREY MOORE

/ USASA President, Student Representative
/ Term 1 January 2016 to 31 December 2016

Carey Moore is an International Relations student, who has previously also studied Journalism, and who has a strong academic interest in history and politics.

He is a strong believer in an inclusive, accessible university life that offers the best quality education, which is what motivates him to serve as USASA President. He has also learned a lot about the importance of student engagement and participation from serving on the Executive of the UniSA United Nations & International Relations Society, as well as the Organising Committee for the South Australian Model United Nations Conference.

Carey seeks to strongly represent UniSA students during his term and work with the USASA board and the University, to create the best environment for students and improve student engagement and welfare.

MR NICK (KA LEUNG) LI

/ USASA Postgraduate Student Representative
/ Term 1 January 2016 to 31 December 2016

Nick is a PhD Student in the School of Pharmacy and Medical Sciences at the University of South Australia.

He is currently working in the Acute Leukaemia Laboratory, Division of Haematology, Centre for Cancer Biology, IMVS/SA Pathology.





Legislative Requirements

UniSA is governed by the University of South Australia Act 1990. Under sections 4–6 of the Act, the University is constituted as a body corporate with the usual associated powers. It has a seal, and it may sue and be sued in its corporate name.

THE UNIVERSITY'S FUNCTIONS

Under the Act, the University's functions are to:

- preserve, extend and disseminate knowledge through teaching, research, scholarship, consultancy or any other means;
- provide tertiary education in such disciplines and areas of study as the University thinks appropriate to meet the needs of industry, commerce, the professions or any other section of the community;
- provide such tertiary education programs as the University thinks appropriate to meet the needs of Australia's Indigenous people;
- provide such tertiary education programs as the University thinks appropriate to meet the needs of groups within the community whom the University considers have suffered disadvantage in education;
- provide educational programs for the benefit of the wider community or programs for the enhancement of the diverse cultural life of the community, as the University thinks fit;
- foster and further an active corporate life within the University;
- perform any functions ancillary or incidental to the functions referred to above; and
- strive for excellence in teaching and research, and to attain the highest standards in education.

REGISTRATION RENEWED BY TEQSA

In 2016 the registration of the University of South Australia as a higher education provider was renewed by TEQSA, the Australian Government's Tertiary Education and Standards Agency.

UNIVERSITY GOVERNANCE

In 2016 the University of South Australia complied with the Voluntary Code of Best Practice for the Governance of Australian Universities (as approved by the Ministerial Council for Tertiary Education and Employment on 27 July 2011).

THE UNIVERSITY'S POWERS

The powers of the University, described in Section 6 of the Act, may be exercised inside or outside South Australia and Australia.

For example, the University may:

- enter into contracts;
- acquire, hold, dispose of, and deal with property; and
- confer academic awards jointly with another University or registered training organisation.

UNIVERSITY COUNCIL

Under Section 10 of the Act, the University Council is responsible for the accountability and control of University affairs. The Act also defines financial responsibilities and specific matters on which statutes can be made. The Council must, in all matters, endeavour to advance the interests of the University.

COUNCIL RESPONSIBILITIES

Council's main responsibilities are assigned in part 3 of the Act.

They include:

- appointing the Vice Chancellor as Chief Executive Officer of the University;
- approving the mission and strategic direction of the University, as well as the annual budget and business plan;
- overseeing the management and performance of the University;
- establishing policy and procedural principles consistent with legal requirements and community expectations;
- approving and monitoring systems of control and accountability, including general overview of any;
- entities controlled by the University;
- overseeing and monitoring the assessment and management of risk across the University, including commercial undertakings;
- overseeing and monitoring academic activities across the University; and
- approving significant commercial activities of the University.

Council Committees

The Council has nine standing committees. The performance and effectiveness of each committee is considered as part of Council's annual review process.

These committees are:

- Academic Board
- Audit and Risk Management Committee
- Finance Committee
- Foundation Committee
- Governance and Legislation Committee
- Honorary Awards Committee
- Immediate Business Committee
- Senior Academic Promotions Committee
- Senior Remuneration Committee

Committees established as required:

- Academic Staff Appeals Committee
- Joint Consultative Committee
- Misconduct Appeals Committee
- Penalty Appeals Committee
- Professional Staff Appeals Committee
- Student Appeals Committee

Senior Management Group



L TO R/ NIGEL RELPH, PROFESSOR TANYA MONRO, PROFESSOR DENISE MEREDYTH, PROFESSOR ROBERT VINK, PAUL BEARD, RUTH BLENKIRON, PROFESSOR DAVID LLOYD, PROFESSOR MARIE WILSON, PROFESSOR SIMON BEECHAM, PROFESSOR ALLAN EVANS, DR LAURA-ANNE BULL / INSET: PROFESSOR IRENE WATSON



PROFESSOR DAVID LLOYD

/ Vice Chancellor and President

Professor David Lloyd joined the University in 2013, helping to drive and shape its efforts towards solutions that will drive growth and generate benefits to society. Prof Lloyd's work forging local and global partnerships, and appointment to the South Australia Economic Development Board (EDB), has been integral to this end, ensuring the University remains cutting-edge and relevant in the years to come.

Educated in chemistry and specialising in computer-aided drug design, and Fellow of the Royal Society of Chemistry, Prof Lloyd holds a Bachelor of Science (Honours) in Applied Chemistry and a PhD in Medical Organic Chemistry from Dublin City University, his home town. Prior to joining the University, he was Bursar and Director of Trinity College Dublin, and had also been Dean and Vice President of Research at Trinity.

PROFESSOR ALLAN EVANS

/ Provost and Chief Academic Officer

Professor Evans took up the role of UniSA's inaugural Provost and Chief Academic Officer in 2013, after serving for five years as Pro Vice Chancellor in the Division of Health Sciences. Before that he was Head of the School of Pharmacy and Medical Sciences.

Originally a pharmacist, his research career has focused on investigating ways of improving the use of medicines in humans, and he has worked with multiple pharmaceutical companies across the world to help bring new pharmaceutical products onto the market in critical areas such as malaria, kidney disease, chronic pain, cancer and cardiovascular disease.

As a researcher and former Director of UniSA's Centre for Pharmaceutical Research, Prof Evans held a string of NHMRC/ARC grants for over 20 years before moving into full time university administration. He has published over 100 journal papers that have over 1,400 literature citations. He currently serves as a Director for CPR Pharma, a spin-out company he helped form in 2008.



Senior Management Group

PROFESSOR TANYA MONRO

/ Deputy Vice Chancellor: Research and Innovation

Professor Tanya Monro took up the role of Deputy Vice Chancellor Research and Innovation in November 2014.

The ARC Georgina Sweet Laureate Fellow at the University of South Australia, Prof Monro was the inaugural Director of the Institute for Photonics and Advanced Sensing (IPAS) from 2008 to 2014 and was also the inaugural Director for the ARC Centre of Excellence for Nanoscale BioPhotonics (CNBP) at the University of Adelaide.

Prof Monro is a Fellow of the Australian Academy of Science (AAS) the Australian Academy of Technological Sciences and Engineering (ATSE), the Optical Society of America (OSA) and the Australian Institute of Physics. She is a member of the Prime Minister's Commonwealth Science Council (CSC), and a Board Member of the Commonwealth Science and Industrial Research Organisation (CSIRO), the South Australian Defence Advisory Board, and the South Australian Economic Development Board. Prof Monro is also an inaugural Bragg Fellow of the Royal Institution of Australia (RIAus).

MR NIGEL RELPH

/ Deputy Vice Chancellor: External Relations and Strategic Projects

Nigel Relph was appointed as Deputy Vice Chancellor: External Relations and Strategic Partnerships in March 2016 having previously been Pro and then Deputy Vice Chancellor and Vice President: International and Development since October 2010. He is responsible for international strategy; the University's partnerships and institutional alliances locally, nationally and internationally; community and cultural engagement; alumni relations and philanthropic fundraising; The Samstag Museum of Art; MOD. (Museum of Discovery); The Bob Hawke Prime Ministerial Centre; and for a variety of major strategic projects. Before joining UniSA, Nigel worked in senior management positions in universities in the UK; ran companies in the media and the private education sector in Europe and Asia; was a government advisor; and taught cultural history at a number of universities.

PROFESSOR ROBERT VINK

/ Pro Vice Chancellor: Division of Health Sciences

Professor Vink was awarded his BSc (Hons) and PhD at Griffith University, Brisbane. After a postdoctoral fellowship and then an assistant professorship in the Neurology Department of the University of California at San Francisco (UCSF), he accepted a Queen Elizabeth II Fellowship at James Cook University (JCU) in Townsville, North Queensland.

At the conclusion of his research fellowship, he accepted an academic appointment at JCU, and was promoted to

senior lecturer and then Associate Professor and Head of Department of Physiology and Pharmacology.

Following a period of sabbatical research as an Adjunct Professor at Georgetown University, Washington DC, he joined the Department of Pathology at the University of Adelaide in 2001 and was subsequently appointed to the NRF Chair of Neurosurgical Research and as the Head of the School of Medical Sciences.

In 2015 Prof Vink was awarded a Fellowship of the Australian Academy for Health and Medical Sciences (AAHMS).

PROFESSOR DENISE MEREDYTH

/ Pro Vice Chancellor: Division of Education, Arts and Social Sciences

Professor Denise Meredyth is an educationist, social analyst and historian who leads teaching and research in the humanities, arts and social sciences as Pro Vice Chancellor of the University of South Australia's Division of Education, Arts and Social Sciences.

She is widely experienced across the higher education sector, has worked in leadership roles in research and research management and has published widely on education, social and cultural policy. She is adept at bringing multiple industry, government and community partners together to develop creative learning environments and her passion for educational opportunity is helping to create a new education precinct, a centre of excellence in teaching, at the Division's Magill campus.

Professor Meredyth was one of the Chief Investigators in the Australian Research Council's Centre of Excellence in Creative Industries and Innovation. She now sits on several educational advisory boards and has developed industry partnerships with multiple government and non-government entities.

Her current projects include studies of new ways to share public resources such as school buildings, libraries and digital platforms through community and public-private partnerships. She is also working with an international team exploring co-operative investments in public wifi.

PROFESSOR SIMON BEECHAM

/ Pro Vice Chancellor: Division of Information Technology, Engineering and the Environment

Professor Simon Beecham commenced as Pro Vice-Chancellor of the Division of Information Technology, Engineering and the Environment (ITEE) in January 2015. Prior to this he was Head of the School of Natural and Built Environments (2010 - 2014) and before that he was the Director of UniSA's Centre for Water Management and Reuse (2006 - 2010). Prof Beecham is a Fellow of Engineers Australia as well as a Fellow of the Australian Institute of Company Directors.

In addition to these industry contributions, Prof Beecham was a Board Director of Water Research Australia Ltd (WaterRA) from 2009 to 2015. WaterRA is Australia's longest-running private company (2009 - present) that has made the successful transition from being a former CRC (1995-2008). He is also an Editorial Board Member of the Wiley journal Global Challenges.

PROFESSOR MARIE WILSON

/ Pro Vice Chancellor: UniSA Business School

Professor Marie Wilson is Pro Vice Chancellor (Business and Law) of the UniSA Business School. She has over 20 years of university leadership experience, including senior roles at Griffith University and The University of Auckland.

She is the former managing director of a multinational medical relief agency, and has been a senior manager in strategy and HRM for seven public companies, including one of the world's largest IT companies. She also has extensive experience in start-up and high technology ventures. She is a Graduate of the Australian Institute for Company Directors, and a Fellow of AIM and ANZAM.

PROFESSOR IRENE WATSON

/ Pro Vice Chancellor for Aboriginal Leadership and Strategy and Unaipon Chair

Professor Irene Watson is a Tanganeakald, Meintangk-Bunganditj woman, solicitor, representative for First Nations Peoples at the United Nations and researcher who was appointed as Pro Vice Chancellor for Aboriginal Leadership and Strategy and Unaipon Chair at the University of South Australia. Prof Watson graduated with a Bachelor of Law from the University of Adelaide and received the Bonython Law School prize for her doctoral thesis in 2000. She was awarded a three-year postdoctoral fellowship by the University of Sydney and took up an appointment with the University of South Australia in 2008.

Since 1989, Prof Watson has taught in all three South Australian universities and she continues to combine teaching with academic research. In 2013, she received an ARC Indigenous Discovery Award and has recently completed the project - Indigenous Knowledge: Law, Society and the State. She has published extensively in both law and Indigenous Knowledges.

She has had a close relationship with the Aboriginal Legal Rights Movement in South Australia since its inception in 1973, serving as a member, solicitor and director. She served as a front-line solicitor advising the legal service on the Royal Commission into Aboriginal Deaths in Custody and has advised numerous communities across Australia on law and justice issues. Since the 1990s, Prof Watson has made a number of interventions on behalf of First Nations Peoples to the United Nations and she continues to attend UN meetings as an invited expert on the rights of First Nations Peoples.

DR LAURA-ANNE BULL

/ Pro Vice Chancellor: Student Engagement and Equity

Dr Laura-Anne Bull joined the University in September 2014 as Pro Vice Chancellor: Student Engagement and Equity. Dr Bull is responsible for leading initiatives to ensure that students are fully engaged and supported, not only in their learning, but also in their university experience.

Dr Bull earned her PhD in Chemical Engineering from the University of Strathclyde, Glasgow in 1998. She began her career as a process engineer for Zeneca Agrochemicals (now Syngenta) and as lead process engineer was responsible for the design and commissioning of new plants.

Two years later, she returned to university teaching as a lecturer in Chemical and Process Engineering at Strathclyde where she was also fully engaged in student pastoral support, PhD supervision, and a range of academic operational groups from undergraduate recruitment to faculty school liaison. In 2011, she moved to the Australian National University to take on the role of Deputy Registrar – Student Services where a year later she was appointed Registrar – Student Services and then the Registrar Student Life in February 2014.

MR PAUL BEARD

/ Chief Operating Officer

Mr Beard was first appointed to UniSA in 2001 as Executive Director and Vice President: Finance and Resources. In November 2009, he took up a new role at UniSA as Chief Operating Officer with overall responsibility for Facilities Management, Finance, Information Strategy and Technology Services and the Library.

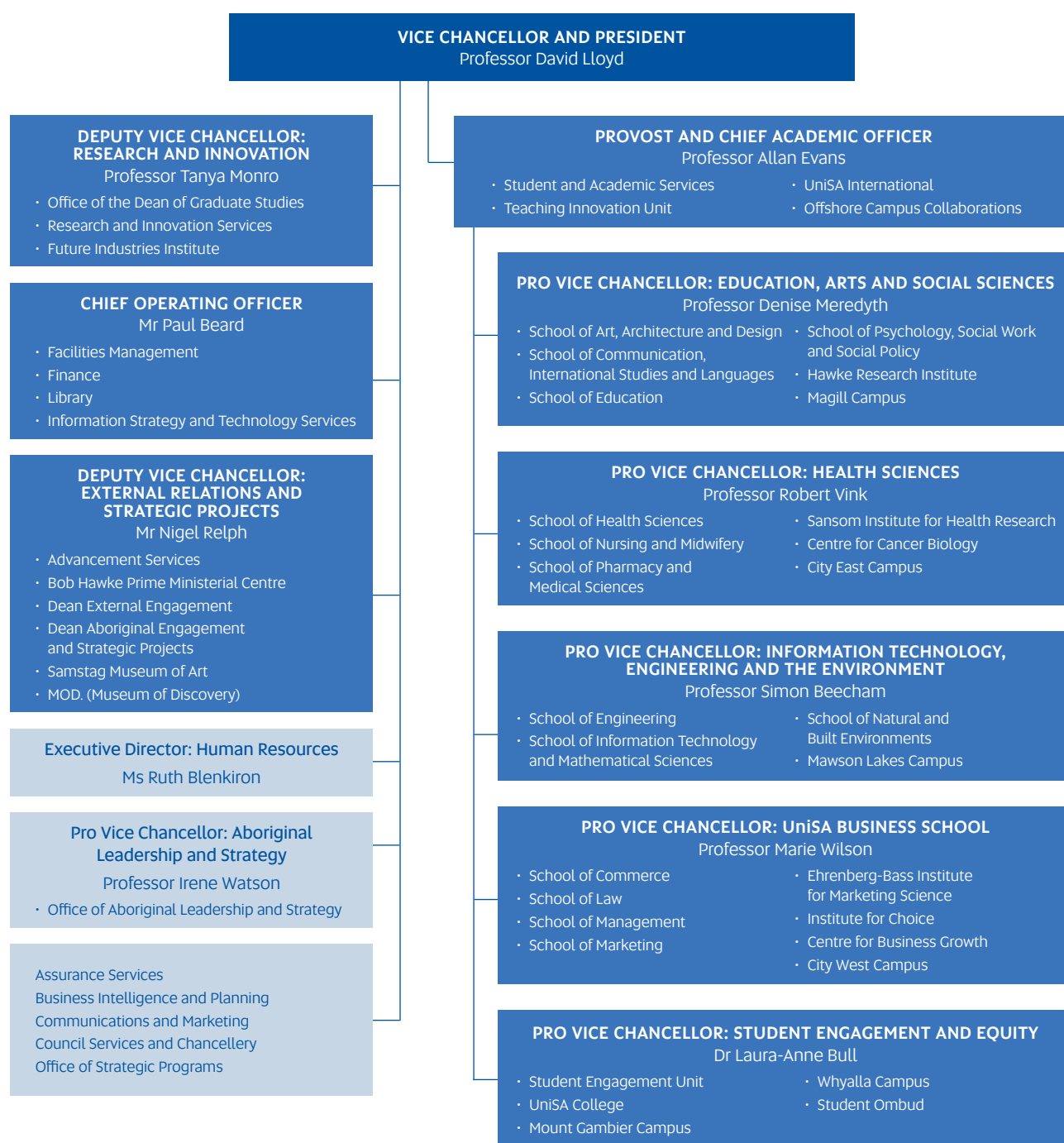
MS RUTH BLENKIRON

/ Director: Human Resources

Ms Blenkiron's previous role was as director of workforce development in the Department of Education and Children's Services (DECS), an organisation employing around 25,000 people.

Her career highlights also include Director, South Australian Centre for Leaders in Education in DECS, Manager Special Investigations Unit, Registrar of the Supreme Court of South Australia, Deputy Commissioner in the Office of the Commissioner for Equal Opportunity and both Deputy Principal and Acting Principal of Seymour College, a large independent R-12 school.

Senior Academic and Administration Structure



THE DIVISIONAL PRO VICE CHANCELLORS REPORT TO THE PROVOST AND CHIEF ACADEMIC OFFICER FOR TEACHING, LEARNING AND STUDENT EXPERIENCE MATTERS AND ON THE DELIVERY OF ACADEMIC STRATEGY. FOR MATTERS OF UNIVERSITY-WIDE SIGNIFICANCE AND OTHER TARGETED STRATEGIC PLANNING ISSUES, THE DIVISIONAL PRO VICE CHANCELLORS REPORT TO THE VICE CHANCELLOR.

Administration

THE VICE CHANCELLOR

The Vice Chancellor and President is the University's Chief Executive Officer, and is responsible for its management and administration. The Vice Chancellor is appointed by, and reports to, University Council, which delegates to the Vice Chancellor a range of powers and functions. The Vice Chancellor, in turn, authorises appropriate staff to manage the University's affairs. The responsibilities of each type of management position are detailed in the Vice Chancellor's Authorisations.

See our website unisa.edu.au/policies/policies/corporate/C32.asp

SENIOR MANAGEMENT

The University's senior managers are the Deputy Vice Chancellors, Provost and Chief Academic Officer, Pro Vice Chancellors, Chief Operating Officer and Director Human Resources. With the Vice Chancellor, they form the Senior Management Group, which meets regularly and provides advice to the Vice Chancellor on operational and policy matters. Senior managers lead the University's academic divisions or co-ordinating portfolios.

FREEDOM OF INFORMATION

The *Freedom of Information Act 1991* gives individuals a legally enforceable right to access documents held by South Australian universities, subject to certain restrictions. UniSA strives to be an open and accountable organisation in accordance with the Act. During 2016, we received seven applications to access records under the Act. Out of the seven applications, three resulted in full release and three resulted in partial release of the requested documents. In relation to the one remaining application, the requested information could not be located within the University's records.

RISK MANAGEMENT

The University Council's Risk Management Policy establishes principles to ensure that risk management is integral to all processes, helps to achieve objectives, and contributes to ongoing performance improvement.

Key elements of the framework include:

- the maintenance and reporting of risk registers that identify key risks at organisational unit level;
- the maintenance and reporting of a university-wide risk register;
- the systematic risk assessment of all projects;
- a systematic approach to the identification, assessment and audit of legislative risk; and
- annual risk assessments of all controlled, associated and partly-owned entities.

We maintain our capacity to respond appropriately to crises through a framework of trained emergency response groups, and a high-level crisis management committee. In addition, management annually certifies to Council that the University risk management and internal compliance and control systems are operating effectively in all material respects. This certification is supported by a process involving questionnaires on control and risk management that are completed by all senior managers and major organisational units.



FINANCIAL STATEMENTS



For the year ended 31 December 2016

Statement of Comprehensive Income

	Consolidated		University	
	2016	2015	2016	2015
	\$'000	\$'000	\$'000	\$'000
Revenue from continuing operations				
Australian Government financial assistance				
Australian Government grants	265,501	260,362	265,501	260,362
HECS-HELP - Australian Government Payments	118,235	115,199	118,235	115,199
FEE-HELP	9,138	8,708	9,138	8,708
SA-HELP	2,979	2,882	2,979	2,882
State and Local Government financial assistance	7,807	13,753	7,441	13,577
HECS-HELP - Student Payments	10,617	11,650	10,617	11,650
Fees and charges	132,919	120,083	132,919	120,083
Investment revenue	11,016	13,466	10,893	13,661
Royalties	498	208	90	146
Consultancy and contract research	34,958	35,126	34,913	35,392
Other income	16,060	14,815	15,602	14,748
Gains / (Losses) on disposal of assets	(391)	11,312	(391)	11,312
Total income from continuing operations	609,337	607,564	607,937	607,720
Expenses from continuing operations				
Employee related expenses	357,414	349,509	355,709	347,884
Depreciation and amortisation	32,408	32,410	32,401	32,404
Repairs and maintenance	16,132	15,001	16,131	15,000
Other expenses	162,452	154,462	162,749	156,049
Bad and doubtful debts	534	346	534	346
Total expenses from continuing operations	568,940	551,728	567,524	551,683
Operating result before income tax	40,397	55,836	40,413	56,037
Income tax (income)/expense	(64)	(16)	35	12
Operating result attributable to members of University of South Australia	40,461	55,852	40,378	56,025
Items that may be reclassified to profit or loss:				
Available-for-sale financial assets valuation gains taken to equity	11,352	9,208	11,352	9,208
Available-for-sale financial assets transfer to profit or loss	(111)	(60)	(111)	(60)
Total	11,241	9,148	11,241	9,148
Items that will not be reclassified to profit or loss:				
Gain/(Loss) on revaluation of land, buildings and infrastructure	50,994	(3,188)	50,994	(3,188)
Gain on revaluation of art collection	323	-	323	-
Total	51,317	(3,188)	51,317	(3,188)
Total comprehensive income attributable to the members of the University of South Australia	103,019	61,812	102,936	61,985

For the year ended 31 December 2016

Statement of Financial Position

	Consolidated		University	
	2016	2015	2016	2015
	\$'000	\$'000	\$'000	\$'000
Current assets				
Cash and cash equivalents	317,789	343,029	316,597	341,600
Receivables	25,348	22,216	25,330	22,358
Deferred Government superannuation contribution	30,700	30,300	30,700	30,300
Other non-financial assets	23,008	22,477	22,986	22,451
Non-current assets held for sale	3,080	-	3,080	-
Total current assets	399,925	418,022	398,693	416,709
Non-current assets				
Other financial assets	35,779	24,580	37,339	26,337
Property, plant and equipment	930,387	808,479	930,362	808,473
Deferred tax assets	398	298	-	-
Intangible assets	3,763	3,727	3,763	3,727
Deferred Government superannuation contribution	399,761	418,306	399,761	418,306
Total non-current assets	1,370,088	1,255,390	1,371,225	1,256,843
Total assets	1,770,013	1,673,412	1,769,918	1,673,552
Current liabilities				
Trade and other payables	49,332	36,549	49,134	36,767
Provisions	58,592	56,291	58,418	56,155
Current tax liabilities	42	31	46	31
Other liabilities	42,944	48,653	43,735	49,146
Defined benefit obligation	30,700	30,300	30,700	30,300
Total current liabilities	181,610	171,824	182,033	172,399
Non-current liabilities				
Trade and other payables	1,277	1,191	1,277	1,191
Provisions	13,382	11,127	13,382	11,127
Defined benefit obligation	399,761	418,306	399,761	418,306
Total non-current liabilities	414,420	430,624	414,420	430,624
Total liabilities	596,030	602,448	596,453	603,023
Net assets	1,173,983	1,070,964	1,173,465	1,070,529
Equity				
Reserves	252,566	190,003	252,566	190,003
Retained earnings	921,417	880,961	920,899	880,526
Total equity	1,173,983	1,070,964	1,173,465	1,070,529

For the year ended 31 December 2016

Statement of Cash Flows

	Consolidated		University	
	2016	2015	2016	2015
	\$'000	\$'000	\$'000	\$'000
Cash flows from operating activities:				
Inflows:				
Australian Government grants received	390,179	383,469	390,179	383,469
OS-HELP (net)	(518)	(715)	(518)	(715)
Superannuation Supplementation	29,413	29,303	29,413	29,303
State and Local Government grants	9,195	13,856	8,828	13,680
HECS-HELP - Student payments	10,617	11,650	10,617	11,650
Receipts from student fees and other customers	138,009	129,880	137,811	129,308
Dividends received	945	2,168	838	2,389
Interest received	10,325	12,340	10,309	12,314
Royalties	498	208	90	146
Consultancy and contract research	31,723	33,727	31,764	34,145
Other receipts	16,319	16,881	15,853	16,821
GST recovered	13,871	8,712	14,042	8,870
Outflows:				
Payments to suppliers and employees (GST incl)	(576,003)	(576,853)	(574,840)	(576,089)
Net cash provided by / (used in) operating activities	74,573	64,626	74,386	65,291
Cash flows from investing activities:				
Inflows:				
Proceeds from sale of property, plant and equipment	892	30,186	892	30,186
Proceeds from sale of investments	2,827	2,240	2,728	2,240
Outflows:				
Payments for property, plant and equipment	(100,659)	(61,595)	(100,632)	(61,594)
Payments for investments	(2,873)	(9,360)	(2,377)	(9,151)
Net cash provided by / (used in) investing activities	(99,813)	(38,529)	(99,389)	(38,319)
Net increase / (decrease) in cash and cash equivalents	(25,240)	26,097	(25,003)	26,972
Cash and cash equivalents at the beginning of the financial year	343,029	316,932	341,600	314,628
Cash and cash equivalents at the end of the financial year	317,789	343,029	316,597	341,600



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