

The University of Adelaide



2007 Annual Report

Part One: Annual Review

From the Chancellor

I am pleased to report that, once again, the University recorded a strong financial result in 2007 and that the ambitious North Terrace Development Strategy, launched in 2006, is well underway. The refurbishment of the 10 Pulteney Street tower is nearing completion and in March, Council approved the construction of a new nine-level Engineering Building on the Lower Level Campus to replace the Mathematics Building. Work commenced in December and the new building is scheduled to be completed by first semester, 2010.

At the Scholarships Presentation Ceremony held in Bonython Hall in February 2007, I had the pleasure of presenting 15 new University of Adelaide students with the inaugural South Australian Merit Scholarship, a \$1 million initiative by the University aimed at retaining the brightest students in South Australia from every urban and rural school in the state. Also at the Ceremony, some 100 students were presented with a range of scholarships to study at the University of Adelaide. I congratulate them all and wish them well in their chosen areas of study.

In April, I attended the offshore graduations ceremonies in Singapore and Kuala Lumpur. It was pleasing to see some 130 graduands receive their degrees in front of family and friends. The University's association with Singapore and Kuala Lumpur spans over half-a-century and the two respective Alumni Chapter dinners provided yet another opportunity to forge stronger ties with our overseas graduates.

At its December meeting, the University Council unanimously voted to re-appoint me as Chancellor for a third two-year term. My current term was to end in July 2008 and this has now been extended to July 2010. Once again, I am both honoured and humbled by Council's decision.

South Australian business leader and arts patron, Mr Ross Adler AC, was appointed by Council in March as the University's new Deputy Chancellor. Mr Adler has been a member of the University Council since 1998 and is Chair of the Finance Committee. His broad

experience at the highest levels of business has been of enormous benefit to the University and I congratulate Mr Adler on his appointment. Mr Adler succeeds wine industry leader Mr Brian Croser AO, who served on Council for nine years, eight of them as Deputy Chancellor. Mr Croser has contributed greatly to the University during his time on Council and I thank him for his invaluable work.

Finally, I would like to acknowledge the work of all members of Council and its Sub-Committees who gave their time voluntarily. It has been a privilege to work with such a dedicated group of individuals and I look forward with pleasure to the year ahead.

Report of the Council of the University of Adelaide

**For the period 1 January 2007
to 31 December 2007**

To His Excellency,
Rear Admiral Kevin Scarce AC CSC RANR
Governor of South Australia.







May it please Your Excellency, I have the honour to transmit to you the Report of the Council of the University of Adelaide for the period 1 January 2007 to 31 December 2007, furnished in compliance with Section 25 of the University of Adelaide Act 1971 (1 June 2007).



The Hon John von Doussa QC
Chancellor

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From the Vice-Chancellor and President

I look back over 2007 with considerable pride and pleasure in the University's significant achievements and with much anticipation and excitement over the steps put in place for the years ahead.

Throughout 2007 the University held numerous workshops, forums and meetings to develop its new Strategic Plan 2008-2012, *Building a Great Research University*, culminating in the plan's approval by University Council at its meeting on 3 December. It is five years since we launched our last Strategic Plan and the University has achieved, and in some cases exceeded, the objectives set out in that Plan. We are now in a far stronger position to pursue even higher aspirations, leading towards our establishment internationally as a great research university.

In 2007, the University of Adelaide continued to build on the outstanding results achieved over the past few years.

Our success in winning competitive research funding continued, with more than \$57 million in new Federal grants from the National Health and Medical Research Council, the Australian Research Council and the Grains Research and Development Corporation. This highlights the strong nature of the University's research expertise and its continuing position as the premier research university in the State.

The University continued its strong growth in student numbers and, in 2007, was awarded 235 new Commonwealth-supported places, more new places than any other University in the country, including places for the state and national priority areas of health and engineering, and for the new School of Veterinary Science. The School of Veterinary Science has been one of 2007's brightest highlights. As well as student places, the University won Federal Government support of \$15 million and State Government support of \$5 million in capital funding for the new School, with the University to invest \$10 million in capital works.

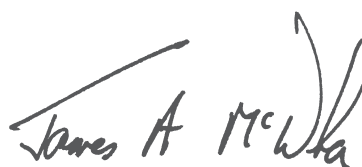
In 2007, the University commenced its most ambitious building program in many years, led by the flagship,

state-of-the-art Engineering Building. The Building Life Impact strategy is a significant investment in the continuous improvement of our facilities and infrastructure with \$400 million to be invested over the next four years. The program will significantly enhance the University's learning and teaching environment, strengthen its research capacity, and contribute to its environmental sustainability.

Another significant highlight for 2007 was the launch of the University of Adelaide's Confucius Institute in partnership with Shandong University. This report contains many other examples of the way the University is strengthening its ties with China.

The high reputation in which our staff and students are held was reflected in 2007 with a high number of prestigious state, national and international awards and scholarships. The University's excellence in teaching and learning was again recognised in the Carrick Awards for Australian University Teaching with eight staff members receiving Citations and others gaining financial awards under the Learning and Teaching Grant and the Programs that Enhance Learning schemes.

I want to thank and congratulate our academic and professional staff for their committed contribution towards our success in 2007. We move forward into 2008 and beyond, ready to build on this platform of achievement, and with confidence in the future.



James A. McWha
Vice-Chancellor and President

Mission, Vision and Values



Mission

To be recognised internationally as a great research university and an Australian leader in research and teaching excellence, committed to the positive impact we can have on the lives of our students, staff and alumni as well as the local, national and international communities.

Vision

The University of Adelaide will build upon its tradition of innovation through high-impact research and excellent teaching across a broad range of disciplines and professions. It will be a growing, internationally focussed and financially sustainable institution, enterprising in its approach to new opportunities and clear and consistent in its essential directions. It will provide a vibrant intellectual environment that will be satisfying for staff, rewarding for students, as well as engaging the community, creating a sense of pride in our contribution to society.

Values

1. We will pursue excellence in all that we do.
2. We will act with fairness, integrity and responsibility.
3. We will respect the rights and responsibilities of freedom of inquiry and expression.
4. We will engage with the local, national and international communities.
5. We will encourage innovation, creativity and breadth of vision.

2007 At a Glance

Some news highlights of 2007

January	University makes 4500 first-round offers to potential students.
	Breakthrough for Pharmacology researchers in treatment of heroin addiction.
	Cardiology researcher Dr Bobby John wins major international award for his work on rheumatic heart disease.
February	University signs strategic collaboration with UK's Cranfield University for research and courses in defence and security.
	World-class wind tunnel and a laboratory for the production and analysis of visual digital media win funding from Premier's Science and Research Fund.
	More than 100 of South Australia's outstanding students awarded scholarships for the University of Adelaide at presentation ceremony in Bonython Hall.
March	Confucius Institute launched at the University of Adelaide.
	Business leader and Arts Patron Mr Ross Adler AO appointed new Deputy-Chancellor.
	Research Tuesdays public lecture series inaugurated.
	Research Institute for Climate Change and Sustainability established with State Government support.
April	Malaysian business figure Mr Sim See Kee receives Distinguished Alumni Award.
	Men's health researcher James Smith named 2007 Young Achiever of the Year.
May	Federal Education Minister presents \$3.5 million cheque for new Engineering building.
	\$2.3 million in ARC Linkage Grants for seven major new projects with industry.
	University announces financial result for 2006, with operating surplus of \$35.4 million.
June	Former University of Adelaide academic who revolutionised orthodontics becomes first Australian to be inducted into Hall of Fame at Paris-based Pierre Fauchard Academy.
	Two University researchers win more than \$3 million from National Health and Medical Research Council to work on factors influencing children's health.

July	State Government awards \$250,000 to University to help develop an international research facility into geothermal energy.
	Four University of Adelaide staff and graduates honoured by UNESCO for their respective work in science, linguistics, human rights and education.
	University signs final, \$5.7 million agreement of a five-year, \$23.5 million research program with agribusiness industry to develop new barley varieties.
August	Infectious diseases expert Professor James Paton awarded \$4 million Australia Fellowship for research into new vaccines and treatments for life-threatening diseases.
	University wins UNESCO Asia-Pacific Heritage Award for Bonython Hall conservation.
	Seven individuals and one University-led team receive Carrick Citations for Outstanding Contributions to Student Learning.
September	Federal Education Minister announces new University places, with Adelaide receiving around 10% of total allocation, the largest increase in Commonwealth-supported places of any University in the country.
	Federal Government commits \$15 million to support establishment of a veterinary science school at Roseworthy Campus.
	University research partners win \$42 million in ARC and NHMRC funding.
October	University and Freemasons Foundation establish \$2.25 million Australian-first centre to focus on all aspects of men's health.
	Physics researcher Associate Professor Derek Leinweber wins major award for his contribution to particle physics.
	Professor Nick Harvey is part of global team recognised in joint award of Nobel Peace Prize to Intergovernmental Panel on Climate Change.
November	THES-QS World University Rankings rank University at number 62 in the world.
	University biochemist awarded \$2.6 million to lead collaborative project to eliminate defects in wheat.
	Water systems engineer professor Graeme Dandy elected a Fellow of the Australian Academy of Technological Sciences and Engineering.
December	University Council re-appoints the Hon. John Von Doussa QC for his third two-year term as Chancellor.
	State Government awards University \$2.7 million to held fund critical defence research.
	Orthopaedic researcher and specialist vet surgeon Professor Gail Anderson is appointed to head new School of Veterinary Science.
	More than 3600 students graduate from the University of Adelaide in December graduation ceremonies in Bonython Hall.

Student Statistics

	Persons		EFTSL	
	2007*	2006	2007*	2006
Total Student Enrolments	20478	19652	16015	15279
Commencing Student Enrolments	7532	7126	5728	5282
Aboriginal & TS Islander Students	134	123	104	102
International Students – onshore	4739	4196	3990	3570
International Students – offshore	731	730	369	352

By Level of Program				
Postgraduate Research	1853	1846	1289	1318
Postgraduate Coursework	3913	3775	2227	2019
Bachelor Degrees	13820	13086	12020	11437
Other	892	945	480	505

By Faculty				
Engineering, Computer & Maths Sciences	3744	3444	2975	2769
Health Sciences	2999	2887	2381	2285
Humanities and Social Sciences	3776	3711	2853	2796
Sciences	2949	2933	2347	2354
Professions	6580	6203	5172	4785
Central Areas	430	474	286	289

By Campus				
North Terrace (includes hospitals)	18496	17645	14760	14033
Roseworthy	216	210	179	173
Thebarton	54	31	13	17
Waite	335	369	294	295
Other Australian	653	676	401	412
Offshore	724	721	367	348

By Gender				
Female	9886	9416	7741	7333
Male	10592	10236	8274	7946

By Attendance Type				
Full Time	15298	14511	14124	13415
Part Time	5180	5141	1891	1864

*Preliminary Figures based on 2007 Student Submissions Source: DEEWR 2006–2007 Student Data Collection

Research Activity

Research Income	2007	2006	2005	2004
	\$000	\$000	\$000	\$000
Australian Competitive Research Grants	60,699	62,038	56,264	50,920
Other Public Sector Research Funding	28,649	27,462	25,887	19,781
Industry and Other Funding for Research	20,413	18,169	13,016	17,090
Cooperative Research Centres	6,011	6,813	6,684	6,193
Total University Research Income	115,772	114,482	101,851	93,984

Source: DEST 2004–2007 Research Data Collection.

Research Block Funding (2005-2008)	2008	2007	2006	2005
	\$000	\$000	\$000	\$000
Institutional Grant Scheme	16,232	16,500	16,371	16,311
Research Infrastructure Block Grant	13,641	13,820	14,248	13,773
Research Training Scheme	28,127	28,989	29,757	29,640

Staff Statistics

	Persons		FTE	
	2007*	2006	2007*	2006
Total Staff	2803	2665	2548	2423
By Type				
Academic	1255	1207	1136	1094
Professional	1548	1458	1412	1329
Casual	n/a	n/a	n/a	383
Academic Staff by Faculty				
Engineering, Computer & Maths Sciences	187	176	181	172
Health Sciences	327	327	271	273
Humanities and Social Sciences	190	174	164	154
Sciences	380	361	363	342
Professions	143	141	130	126
Central Areas	28	28	27	27
Academic Staff by Function				
Teaching and Research	828	815	737	730
Research Only	416	381	388	354
Teaching Only	2	2	2	2
Other	9	9	9	9
Academic Staff by Gender				
Female	438	405	380	355
Male	817	802	756	739

*Note: Fulltime and Fractional Fulltime Staff Statistics Casual staff figures for calendar year
Source: DEEWR 2006 & 2007 Staff Data Collection

Financial Performance

	Consolidated		University	
	2007	2006	2007	2006
	\$000	\$000	\$000	\$000
INCOME STATEMENT				
Revenue	536,137	515,684	496,792	474,385
Expenses	503,442	476,770	462,919	439,007
Operating Result	32,695	38,914	33,873	35,378
Margin	6.1%	7.5%	6.8%	7.5%
BALANCE SHEET				
Net Assets	865,567	787,043	855,079	777,445
Current Ratio	1.5	2.2	1.3	2.2
Cash and Bank Bills	81,414	120,805	74,998	95,344

The University recorded an operating result of \$33.9 million in 2007, compared with an operating result in 2006 of \$35.4 million. This is an excellent achievement, supported by continued growth in student numbers and research performance. This result, combined with the operating surpluses of previous years, contributes to the University's goal of achieving sustainable financial growth and has enabled the University to reinvest in its students, staff and facilities, including the refurbishment of 10 Pulteney Street and the commencement of the state-of-the-art engineering building, as part of the North Terrace Development Strategy.



Higher Education Environment

The Change in Commonwealth Government

The election of the Rudd Labor Government in November 2007 signalled a significant change to the higher education environment. Some initiatives of the previous Government, such as the Research Quality Framework (RQF), were immediately struck out by the incoming Government, before a replacement was announced.

The year ended in a transition period for the tertiary sector. While the RQF was abandoned the Higher Education Endowment Fund (HEEF) will be kept, though at what level is still the subject of negotiation. The \$6 billion fund was announced as part of the 2007–2008 Budget, to be managed by the Future Fund Board of Guardians. Under the plan, annual distributions for higher education capital expenditure and research projects will be made with the “maximum grant amount” determined by returns generated from financial markets.

Another key aspect of HEEF is its encouragement of the public to make tax-deductible contributions to encourage philanthropy. The consultation process started in October and by early December submissions were received from 45 institutions. Funds are expected to be available in the 2008–2009 financial year.

In *Our Universities: Backing Australia's Future*, the Howard Government identified four main principles for the sector: sustainability, quality, equity and

diversity. These principles, together with an increased emphasis on life-long learning, continue to underpin changes in the higher education sector.

The University of Adelaide now has greater flexibility and more opportunities to increase and diversify revenue, permitting it to become more independent of government funding. At the same time it must deal with the challenges of sustaining current disciplinary breadth, managing student load in an environment that continues to be highly regulated, and responding to community and employer requirements for a skilled, flexible and innovative workforce.

Instruments such as the Australian Graduate Survey and the Good Universities' Guide both manifest and reinforce this changing culture. It is further reflected in the Commonwealth Government's Learning and Teaching Performance Fund, designed to be a mechanism of reward and recognition for institutions that “best demonstrate[s] excellence in learning and teaching.”

Given that the University is committed to ensuring high quality in teaching and research, the role of the Australian Universities' Quality Agency (AUQA) in supporting this goal is welcomed. In 2002 the University of Adelaide was the first of the Group of Eight (Go8) universities to be audited and will again be scrutinised in 2008.

Global Opportunities and Competition

The global economic landscape also underwent significant changes in 2007, with the US sub-prime mortgage crisis battering world financial markets in August. It has since created a series of aftershocks that some predict is the start of the biggest geopolitical shift since the dawn of the industrial era, heralding a major reduction in the global economic and political influence of the United States, which has borrowed heavily from China and other Asian countries.

While the economic and political consequences of these changes are impossible to predict, they are occurring two decades after the start of an international boom in the international student market. Government policies have demanded that international education become a significant contributor to Australia's growth and one report suggested that in 2007 it overtook tourism in terms of its contribution to the economy.

The US, UK and France have each moved to tighten their student visa laws in the past, but there is evidence to suggest that this trend might be reversed, undermining Australia's relative competitiveness. The changes occurring in higher education under the Bologna Accord in Europe and many other countries, and increased offerings in English, add to this competitive challenge.

The University of Adelaide has exceeded its commencing international student load targets for three successive years at a time when growth declined nationally. Australian visa regulations favouring South Australia have helped, as has the State government's pursuit of making Adelaide a university city.

Higher Education and the State Government

The State Government's Strategic Plan 2007 states that it is "on track" to achieving its target of doubling South Australia's share of overseas students to 9% by 2014 (using the 2003 AEI figures as a baseline). The State's share of Higher Education enrolments has grown from 6.2% in 2006 to 6.5% in 2007. This equates to a per annum growth rate of 7.7% compared with national growth in international Higher Education enrolments of 3.8%.

The State's Strategic Plan also has a goal to "better align institutions of higher education with the State's economic and social priorities". With much of China's economic rise reliant on energy and mineral resources, the State Government is making mining a significant focal point for future development. The University of Adelaide has responded with an increased emphasis on mining-related research and teaching.

Further opportunities still exist for exports of the University's education and research capabilities. With its diverse range of academic programs, strong links with industry and impressive record in research and development, the University is well positioned to partner with the State in this endeavour and to achieve a lasting impact on society.

In regard to domestic students, the State target is to "increase South Australia's proportion of higher

education students to 7.5% of the national total by 2014". As in the rest of the country, domestic student demand for university places has declined. This has been attributed to low unemployment levels and Governments redirecting resources into apprenticeships and vocational education. Demographic predictions indicate that Year 12 enrolments in South Australia will continue to decrease.

In this context, the ability to maintain local student numbers and increase the number of overseas students will be critical.

The State's Strategic Plan also calls for the proportion of public expenditure on research and development to match or exceed average investment in other states by 2010, so opportunities for growth exist for the University to help the State Government meet its targets.

In a global and national context several factors disadvantage the University: a smaller domestic market, population growth at half the national rate, lower household incomes, declines in traditional manufacturing industries and a flow of younger people to other States. However the State, like the university itself, also has many advantages over its interstate counterparts and, with strategy and planning, is showing that obstacles can be overcome.



Governance

National Governance Protocols

The National Governance Protocols are a set of requirements that higher education providers eligible for grants under the Commonwealth Grant Scheme must satisfy in order to receive increased funding over the three years 2005–2007. The Department of Education, Science and Training declared the University to be compliant with the National Governance Protocols in 2006. In 2007 the University was required only to certify that it remained compliant with the Protocols.

Joint Workshop

In August the University hosted a Joint Professional Development Session for the Councils of the three South Australian universities (Flinders University, the University of South Australia and the University of Adelaide). The Session focused on the roles, rights and responsibilities of Council members; oversight of controlled entities; and the duties and liabilities of directors. The session was well attended by members of the three Councils and provided an opportunity for fruitful discussion on topics pertinent to university governance.

Annual Meeting

The annual meeting of the University community was held on 26 February 2007. The meeting was addressed by both the Chancellor and the Vice-Chancellor and was well attended by members of the University community.

Repeal of Statute Chapter 7 – Of the Seal of the University

In July the Governor in Executive Council allowed the repeal of Statute Chapter 7 – *Of the Seal of the University*, and its replacement with the *Rule for the Use of the University Seal and for the Execution of Documents*. This change was effected in accordance with the revised University Act, which no longer requires the University to have a common seal or to use it in any particular context. The new arrangements limit the execution of documents under seal to degree testamurs and to those documents where the law requires the seal to be used. At present this is limited to property deeds, as required by the Law of Property Act.

2007 University Performance Report

At its April meeting Council considered the annual University Performance Report. The set of key performance indicators presented reflects institutional performance across a broad range of activities and collectively provides an indication of the overall effectiveness and quality of the University. Where appropriate, the reported measures include change over time, and comparable data for other South Australian universities and/or Group of Eight institutions for benchmarking purposes. The report is structured around the five key reporting areas of learning and teaching, research and research training, financials, staff and reputation.

University Strategic Plan 2008–2012

During 2007 the University's Strategic Plan was under review as part of the institution's regular planning cycle. A number of consultation forums were held seeking input into the development of a new Plan for 2008–2012, including a Council workshop, and sessions with students, Heads of Schools and Administrative Units, and external "stakeholders". These clearly indicated that the University's future was best secured by consolidating its reputation as an internationally-focused, research-intensive, Group of Eight university with a broad discipline base. The new Strategic Plan maintains this direction and places increased emphasis on the branding of the University as a "great research university". The new Plan was adopted by Council at its December meeting.

University Budget 2008

Council also approved the University Budget for 2008 at its December meeting. In developing the budget the University sought to improve teaching quality, research excellence and the quality of the student learning experience; to provide new facilities for areas with demonstrable need; to ensure staff costs remain sustainable; and to continue to achieve underlying operating performance relative to the Group of Eight.

Controlled Entities

The Council, through its Finance Committee, considered the quarterly management reports of the University's controlled entities and approved their budgets for 2008. Council also approved a reporting timetable for controlled entities for 2008.

Risk Management

In recent years the University has established a risk management framework which includes a risk policy, a triennial strategic risk profiling exercise, and linking the internal audit plan to the strategic risk profile within a three year rolling plan. At the end of 2007 the University was in the process of a major risk review to identify its key enterprise risks; it will continue to focus on those risks at the high end of the spectrum. An internal audit plan for 2008–2010 was developed from the risk management plan.

Appointment of Chancellor

Council reappointed the University's current Chancellor, the Hon. John von Doussa QC, for his third two-year term, which will finish in July 2010. A Law graduate of the University, Mr von Doussa is President of the Human Rights and Equal Opportunity Commission and a noted champion of human rights. He has had a long and distinguished career in the judiciary, serving as a judge in the Federal Court of Australia, the Supreme Court of South Australia and in the Pacific Islands.

Appointment of Deputy Chancellor

In March South Australian business leader and arts patron, Mr Ross Adler AO, was appointed Deputy Chancellor of the University. He succeeded wine industry leader Mr Brian Croser AO, who had served as Deputy Chancellor for almost eight years. Mr Adler was first appointed to the University Council in 1998 and is the current Chair of the University's Finance Committee. In June he was appointed a Companion in the Order of Australia for service to business and commerce, to the community and as a supporter of the arts.

Honorary Degrees

In 2007, Council awarded the University's degree of Doctor of the University to Mr Brian Croser AO, in recognition of his outstanding service to the University as its Deputy Chancellor. The University also admitted two distinguished candidates to its degree of Doctor of the University (*honoris causa*). Professor Frank Fenner AC CMG MBE was awarded the honorary doctorate for his achievements in science and medicine, in particular for overseeing the global eradication of smallpox and controlling Australia's rabbit plague through the introduction of myxomatosis. Mr Hijjas bin Kasturi, one of Malaysia's most prominent architects, was also admitted to the degree for his creative contributions to architectural design and the construction of iconic buildings throughout the world.

Elections

Elections were held for student members of Council and for a graduate member.

Council Membership

In 2007 the Council comprised:

Ex-officio Members:

- The Hon John von Doussa QC – Chancellor
- Professor James McWha – Vice-Chancellor and President
- Professor Robert Hill – Presiding Member and Chair of the Academic Board

Appointed members:

- Mr Ross Adler AC (Deputy Chancellor from 7 March 2007)
- Mr Charles Bagot
- Ms Kate Castine
- Mr Brian Croser AO (Deputy Chancellor; term ended 5 March 2007)
- Ms Dianne Davidson (from 6 March 2007)
- Mr Ian Kowalick
- Ms Pamela Martin
- Mr Stephen Young

Co-opted Members:

The Hon Greg Crafter (until 21 March 2007)

Elected members:

Academic Staff:

- Dr Rodney Crewther
- Dr Peter Gill (until 5 March 2007)
- Professor Valerie Linton (from 6 March 2007)

General Staff:

- Mr John Cecchin
- Ms Rosslyn Cox (resigned 26 June 2007)
- Ms Kylie Percival (from 24 October 2007)

Students:

- Mr Matthew Athanassiadis (until 5 March 2007)
- Ms Jessica Cronin (until 5 March 2007; re-elected 6 March 2007)
- Mr Aaron Russell (until 5 March 2007; re-elected 6 March 2007)
- Mr Philip Swaine (from 6 March 2007)

Graduates:

- Professor Simon Maddocks (from 6 July 2007)
- Dr Michael Penniment
- Dr John Radcliffe AM

Council Secretariat

Council Secretary: Ms Heather Karmel

Senior Officer: Mr Andrew Starcevic

Senior Officer: Ms Anne Wildy

Council Officer: Mr Mariusz Kurgan

Standing Committees of Council as at 31 December 2007

Academic Board:

Chair – Professor Robert Hill

Audit, Compliance and Risk Committee:

Chair – Mr Charles Bagot

Convenors' Committee:

Chair – The Hon John von Doussa QC

Finance Committee:

Chair – Mr Ross Adler AC

Personnel Committee:

Chair – Mr Ian Kowalick

Senior Executive Review Committee:

Chair – The Hon John von Doussa QC

Special Degrees Committee:

Chair – The Hon John von Doussa QC

Senior Management as at 31 December 2007

Vice-Chancellor and President:

Professor James McWha

Deputy Vice-Chancellor and Vice-President (Academic):

Professor Fred McDougall

Division of the Deputy Vice-Chancellor and Vice-President (Research)

- Professor Richard Russell AM, Pro Vice-Chancellor (Research Operations)
- Professor Michael Brooks, Pro Vice-Chancellor (Research Strategy)

Vice-President (Services and Resources):

Mr Paul Duldig

Pro Vice-Chancellor (International):

Professor John Taplin

Pro Vice-Chancellor (Learning and Quality):

Professor Birgit Lohmann

Executive Dean, Faculty of Engineering, Computer and Mathematical Sciences

Professor Peter Dowd FREng, FTSE, FRSA

Executive Dean, Faculty of Health Sciences

Professor Justin Beilby

Executive Dean, Faculty of Humanities

and Social Sciences

Professor Nick Harvey

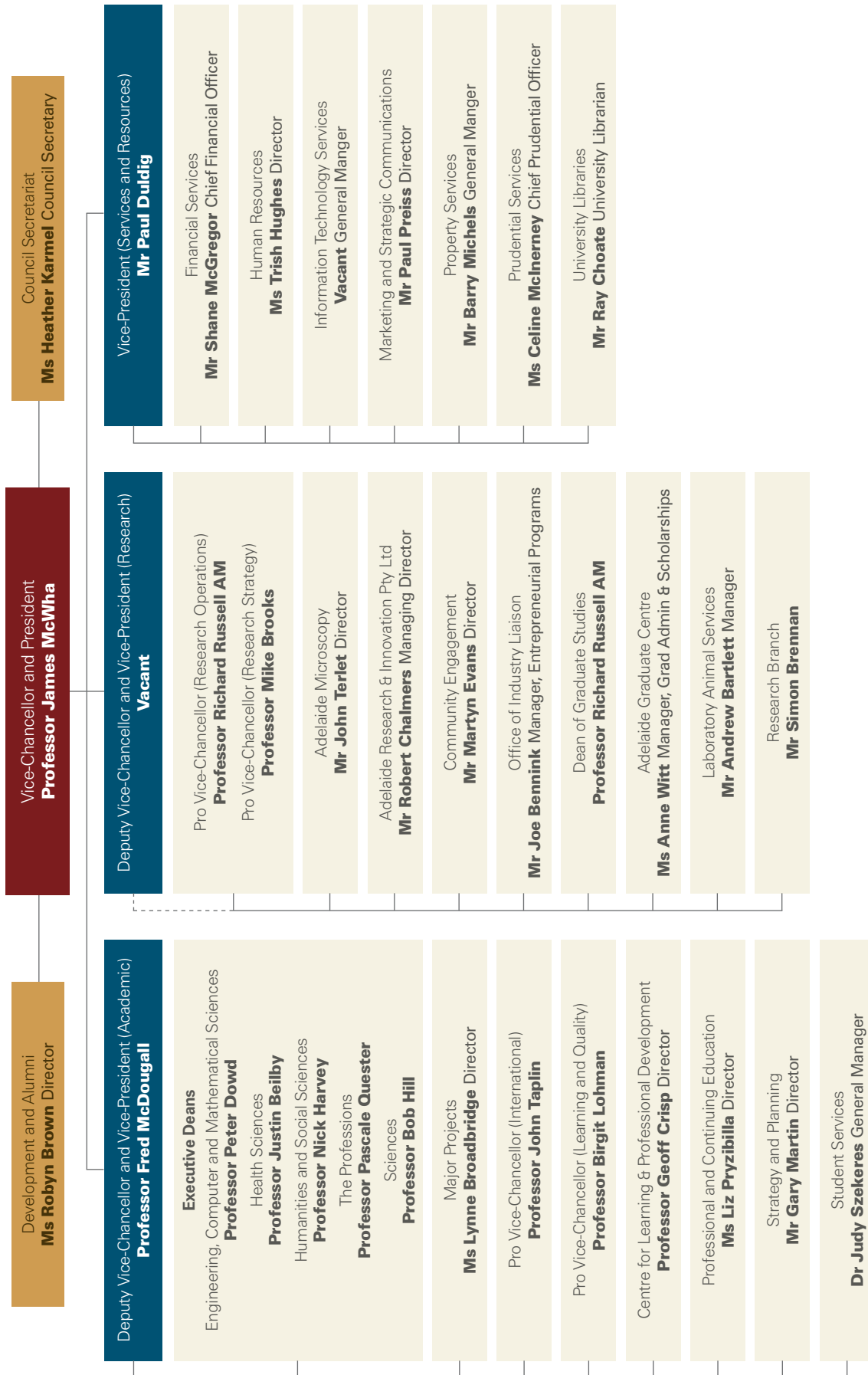
Executive Dean, Faculty of the Professions

Professor Pascale Quester

Executive Dean, Faculty of Sciences

Professor Robert Hill

Top Level Organisation Structure (at 31 December 2007)





Planning and Quality

Strategic Planning

The University of Adelaide's comprehensive process of strategic planning continued with great success in 2007, culminating on December 3 with University Council adopting a new Strategic Plan for 2008–2012, *Building a Great Research University*. The new plan was the result of extensive consultation within the university community and with external stakeholders.

The Plan sets out the University's mission and vision, high-level goals and strategies for the core areas of the University's business: Research and Research Training, Education, and Services and Resources. Integral to the plan is the pursuit of research excellence, focus and scale; continued advances in student numbers and the quality of their experience; and the effective management of resources, structures and processes. It also establishes high-level targets that enable the University to regularly review progress.

As its title suggests, the new plan lays the foundations for becoming internationally recognised as a "great research university", to significantly develop research performance and reputation and to create a university community that thrives on research and innovation.

In a great research university, education and research are not alternatives but integrated, mutually supportive and equally valued activities. Research-intensive universities such as the University of Adelaide are able to provide their students with an excellent and distinctive education as a direct result of the proximity, integration and dissemination of extensive high-quality research activity.

The University intends to build on this distinction and ensure that it is central to the student experience. The curriculum and teaching will continue to be influenced by research and be developed and presented by excellent teachers: some may be primarily focused on teaching, but all will incorporate current research in their pedagogical practice. Students at the University of Adelaide will be given the opportunity, wherever possible, to apply the research methodologies that they learn in meaningful ways and on meaningful issues, drawing together the skills that they learn as a part of their program of study.



Operational Planning

The University Operational Plan for 2008–2010 shows how the Strategic Plan will be put into effect by outlining the major operational activities required to implement the University's strategies.

Aligned with the Strategic Plan it identifies the targets and major operational plans for the core areas of the University's business. It also highlights the major priorities of the Divisions and Faculties over the next three years, as determined during the annual business planning and budget process.

Together with Faculty and Divisional Business Plans, the University Operational and Strategic Plans form part of a systematic Institutional Planning and Performance Framework (IPPF). Introduced in 2004, the IPPF has been progressively developed over the last three years. The cornerstone of this framework is the ongoing review of past performance and implementation of practices leading to continual improvement, such as annual progress reports.

As the first part of the annual planning cycle, a University Performance Report was submitted to Council in early 2007. Performance Reports for Learning and Teaching, and Research and Research Training were submitted to the relevant sub-committees of the Academic Board soon after. The

review of the Strategic Plan and the development of University-level plans for Learning and Teaching, and Research and Research Training, all framed the development of the 2008–2010 University Operational Plan.

Following an annual update of student load and research income projections, a budget outlook was prepared and discussed at the Senior Management Planning Retreat in June. Alongside these financial settings was a clear determination that the priority operational objectives for the next three years would be continued growth, quality and service enhancement, and efficiency in the delivery of University services.

In line with these objectives, Faculty and Divisional targets were determined, providing the financial underpinning for the development of individual Faculty and Divisional Business Plans, major strategic initiatives and the 2008 Budget.

The culmination of these underlying planning processes was the development of a University Operational Plan for 2008–2010, a document that highlights the collective view of the University's Senior Management of the areas in which the University will focus its energy and resources during the next planning period.

Learning and Teaching

Learning and Teaching Policies and Planning Frameworks

The University established and implemented several policies and frameworks in 2007 as part of its ongoing commitment to improving the quality of learning and teaching.

Initiatives that will assist the University to continue its work in maintaining a high quality education experience for students include:

Learning and Teaching Key Performance Indicators

The Report on the University's Learning and Teaching Key Performance Indicators provided an opportunity for teaching activities and outcomes to be monitored in the context of the University-wide KPI framework.

The Report, based on 2006 data, presents an overall assessment of performance in each of the following areas, and by Faculty within each area, so as to enable trends and outcomes to be identified:

- Student demand
- Student experience
- Student progression
- Staff development

Learning and Teaching Plan

The University Learning and Teaching Plan supports the University's themes of *Research and Research Training and Education*. The primary aims of the Learning and Teaching Plan include the provision of distinctive learning experiences characterised by innovative and high quality delivery and student support.

The Learning and Teaching Plan provides a policy framework with goals and strategies for learning and teaching at the University of Adelaide. These include initiatives to increase student demand; improve the student experience and student progression; increase the proportion of graduates in full-time employment; and increase the participation and success rates of equity groups.

Pro Vice-Chancellor (Learning and Quality)

Professor Birgit Lohmann was appointed as Pro Vice-Chancellor (Learning and Quality) in 2007 and has responsibility for strengthening the University's performance in its core values of learning, teaching and quality assurance.

Australian Universities Quality Agency (AUQA)

Throughout the latter part of 2007, the University was preparing for the Cycle 2 Audit by the Australian Universities Quality Agency (AUQA). The University will be audited by AUQA in September 2008 and is required to submit a Performance Portfolio based on a critical self-review of its activities. The Performance Portfolio will consist of three key chapters:

- Chapter 1 – Review of the University's Responses to the AUQA Report of 2002
- Chapter 2 – Internationalisation at the University of Adelaide
- Chapter 3 – Curriculum and Assessment at the University of Adelaide.

As part of the staff and student engagement process for the self-review, an AUQA Staff Forum and a Student Forum were held where details of the initiatives that are underway to respond to identified quality assurance gaps were presented. These included the development of a new policy framework, processes for regularising and reporting on benchmarking activities and student surveys, the establishment of the Internationalisation Strategy Committee, and a database for international agreements

Quality Assurance System

During 2007 the University began development of a web-based Quality Assurance System to give staff and students at-a-glance access to, as well as a comprehensive overview of, the whole of the PIRI (Quality Assurance, Planning and Budgeting, Implementation, Review and Improvement) process in respect of the University's main business activities.

Reviews

As part of the University's five-yearly program review cycle, the following program reviews were conducted in 2007:

- Undergraduate programs in Wine Marketing and postgraduate programs in Wine Business
- Bachelor of Health Sciences and Bachelor of Health Sciences (Hons)
- Undergraduate and postgraduate programs in Psychology
- Bachelor of Science (general degree)
- Pre-service Teaching Programs
- Bachelor of Social Sciences and Bachelor of Social Sciences (Hons)
- Bachelor of Commerce, Bachelor of Commerce (Hons), and Bachelor of Business Information Technology.

Curriculum Restructure

Throughout 2007, processes for establishing a uniform system of unit values for undergraduate courses were developed to provide more flexibility in student choice and the opportunity for multidisciplinary study. Beginning in 2008, courses were changed so that the unit value for a given course is a multiple of 3 (that is, each course will have a value of 3, 6, 9 or 12 units).

Group of Eight Credit Transfer

The Group of Eight (Go8) Credit Transfer Agreement was endorsed by the University in March 2007. The credit transfer agreement guarantees students credit towards an equivalent degree when transferring between the Go8 universities. In recognition of the excellence of teaching and research that exists in the Go8 universities, the aim of the agreement is to enhance the mobility of students between them by facilitating the transfer of credit earned at their institutions. This Agreement will provide a streamlined process, which will allow students to move more easily between institutions and between countries.

Learning and Teaching Performance Fund

The University's excellence in learning and teaching was rewarded with \$500,000 funding under the Federal Government's 2008 Learning and Teaching Performance Fund (LTFP). The aim of the Learning and Teaching Performance Fund is to reward universities that best demonstrate excellence in undergraduate learning and teaching. Funding for high achievement in learning and teaching was awarded on the basis of scoring above the national average in the Health discipline group.

The funds received by the University in the previous round of the LTPF were reinvested in innovative projects addressing a broad range of institutional priorities in the area of learning and teaching. Each Faculty received funding to support initiatives aimed at improving learning and teaching outcomes for students. Examples of these initiatives include the development of processes and systems designed to identify students at risk, teaching support for sessional teachers and clinical titleholders and curriculum development and review.

Online Learning

A major upgrade to the online education resource MyUni was completed with additional features available for staff and student use. New or enhanced features included the ability to set additional question types for online assessments and surveys, the ability for students to download audio-recorded lectures in the popular mp3 format, the availability of a wiki tool for collaborative online projects, the ability to grade online discussions and a suite of collaboration tools for peer review and online chat sessions. Approximately 1,300 individual lectures were audio-recorded and made available to students in 2007, as well 270 video-recorded lectures. The daily use of MyUni during teaching semesters is now up to 6,500 unique individuals.

The Centre for Learning and Professional Development (CLPD) and Information Technology Services (ITS) trialled a suite of new technologies for the enhancement of learning and teaching that included a virtual classroom which allows lecturers and students to interact in a synchronous way from geographically separated locations; and interactive voice tools that allow lecturers and students to include voice annotations to online discussions.

Academic Professional Development

Thirteen University of Adelaide academics graduated in the Graduate Certificate in Higher Education in 2007 and two graduated in the Graduate Certificate in Online Education. A total of 161 sessional teachers attended development workshops during the year and 40 academic staff completed the "Teaching at University" course. These development programs are having a significant impact on the quality of teaching in the University as participants share their examples of effective learning and teaching strategies across disciplines.



Centre for Learning and Professional Development

Initiatives of the Centre for Learning and Professional Development (CLPD) that establish the University's commitment to improving the quality of learning and teaching are:

- A suite of academic induction resources has been prepared for sessional staff, including a set of self-access online modules that can be used by individual sessional teachers for their own development needs or which can be assembled into a workshop format for use by course coordinators. Topics covered by the modules include curriculum design, goal setting, student diversity and assessment practices, as well as practical approaches for dealing with group work and large classes. The Faculty of Sciences designed a full-day Demonstrator Development and Training Program (DDT) in collaboration with CLPD staff: a total of 99 Science demonstrators participated in this program and it will be used as a template for programs to be delivered across all Faculties.
- The CLPD worked with discipline-based academic staff to promote the establishment of SCOPE (Situational-learning Community of Practice for Educators), a community sharing and developing resources for situational learning. Situational learning is an umbrella term for a number of methodologies including simulations, case studies, scenario-based learning and online role plays. These methodologies put learners (working individually or in groups) into a situation where they face a sequence of concrete, real life problems. To solve these, they must make decisions and deal with the consequences as they continue to try to reach a satisfactory outcome. The multi-award winning Mekong e-Sim from the University of Adelaide is an example of a situational learning activity.
- The CLPD has been trialling the use of audio feedback with students, using Wimba Voice Tools, as part of the Introductory Academic Nursing Program, and it collaborated with Clinical Nursing in their trial of the student use of these tools. The use of audio for feedback to students is increasing and provides academics with a convenient path to provide useful feedback to students in large classes by making the audio files available through MyUni.
- CLPD staff member Dr John Willison received a University of Adelaide seeding grant that led to the successful awarding of a large Carrick Institute learning and teaching grant for the development and implementation of the Research Skills Development (RSD) framework. The RSD model allows academics to design learning activities and associated assessment tasks that integrate the development of research skills into coursework programs across all disciplines. Disciplines in Engineering, Nursing, English, and Biology have implemented the RSD approach to date.



Scholarships

The Coursework Scholarships Committee (CSC) considered the selection of recipients for the Commonwealth Learning Scholarships (Accommodation [CAS], Education Costs [CECS]), Adelaide Access, and Vice-Chancellor's Scholarships. These scholarships increase higher education participation by students from low socio-economic backgrounds, particularly Indigenous students and students from rural and regional areas and/or from particular equity groups. 78 Access scholarships of four-year duration, 89 CAS and 137 CECS were awarded. The Vice-Chancellor's scholarships were awarded to a male and female student, both of whom had outstanding academic records.

In 2007 the University of Adelaide introduced two new merit scholarship schemes.

The University of Adelaide South Australian Merit Scholarships are for South Australian students who accept a Commonwealth-supported place at the University of Adelaide and who have demonstrated outstanding academic merit by achieving a Tertiary Entrance Rank (TER) of 99.95 (excluding all bonus points). These scholarships provide an allowance of \$10,000 to assist students with their education/living costs in the first year of a Bachelor level program.

The University of Adelaide Principals' Scholarships are available for one student from each school in South Australia which had students completing year 12 studies in 2006. Students must have accepted a Commonwealth-supported place at the University of Adelaide and have demonstrated outstanding academic merit by achieving a TER of 90 or greater (after the addition of the University's Fairway Bonus if applicable) and made a significant contribution to their school or wider community. The Principals' scholarship provides an allowance of \$5,000 to assist students with their education/living costs in the first year of a Bachelor level program.

In 2007, 23 students were awarded South Australian Merit Scholarships and 82 students were awarded South Australian Principals' Scholarships.

These scholarships are in addition to the existing Adelaide Undergraduate Scholarships (four available) and the Andy Thomas Scholarship, which were awarded to academically outstanding students who had also made a significant contribution to their school and to the wider community and showed potential for leadership, creativity and innovation in the future. These scholarships provide a living allowance of \$5,000 for up to four years and for students' contribution amounts (HECS) to be paid by the University.



Undergraduate Entry

The University Coursework Entry Committee (CEC) is responsible for providing advice on undergraduate entry policy and practices for local and international admissions. Following on from the 2006 Review of Selection Methodologies, which was intended to widen the pool of eligible applicants to the University, several recommendations were approved by the Committee in 2007. Agreements included the implementation of a "false start" concept for special entry applicants and an increase to the duration of the "false start" for higher education applicants. This allows applicants to study up to two years full time at university and still be eligible to compete with their Year 12 score or Special Tertiary Admission Test score – providing a second opportunity for applicants who may have made an inappropriate choice of study path. The Committee also agreed to expand the University's TAFE subquota by accepting VET qualifications from any Registered Training Organisation in Australia or overseas, to be implemented in 2009. Prerequisite subjects for entry into the Bachelor of Science were broadened and the Committee agreed on course selection methodologies for the new Bachelor of Science (Animal Science–Pre-Veterinary) program.

A Reference Group on SACE Issues was established to consider the implementation of the *future*SACE and implications for University selection. Throughout 2007 the CEC considered recommendations regarding the calculation of the Tertiary Entrance Rank, how the Extended Learning Initiative would be considered, and English language requirements for entry.

End-of-year internal transfers were offered for the first time in 2007, in addition to the mid-year internal transfer process. This provides continuing students who are currently enrolled at the University with the opportunity to transfer between programs, with offers finalised before the end of the year.



Smoothstart

The University has introduced a number of initiatives to improve retention rates and academic success. Smoothstart, a peer mentoring program for low SES, rural and interstate first-year students was undertaken in 2007, with 96 students participating. The program has achieved very positive outcomes, with the retention rate for participants being approximately 13% greater than that of the comparative cohort.

In 2008, the Smoothstart program will be expanded and the model piloted in a number of schools and faculties to ascertain the scheme's potential for improving retention and success more broadly across the University population

Student Transition

In line with the University's commitment to providing quality support services to students during their first year at University, the Transition Unit of Student Support Services is working collaboratively with the School of Commerce to further develop a Peer Mentor Program for undergraduate and postgraduate students. A pilot program was launched in May 2007 following Peer Mentor training.

Collaboration with TAFE

A successful Joint University of Adelaide and Department of Further Education, Employment, Science and Technology (DFEEST) (TAFESA) Forum was held on Thursday, 3 May 2007. With the theme of "Advanced Academic Achievement through Articulation", the purpose of the Forum was to build awareness of the Memorandum of Understanding (MOU) between the University of Adelaide and DFEEST (TAFESA), provide speakers with a range of collaborative models, and provide a venue for networking. Overall collaboration was shown to have an important role to play in each institution's strategic future.

Policies

In 2007, the Council approved the following:

- The Policy for the Establishment of Double and Combined Degree Programs (endorsed 7 March 2007). This policy provides the principles for establishing Combined Degree Programs and Double Degree programs which have a program structure formally approved by the University and which are recognised as either a combined degree or double degree for the purposes of entry to the University.
- The Guidelines for the Presentation of Graphic or Culturally Sensitive Materials in Courses.
- An amendment to the University's Graduate Attributes to include an international graduate attribute.
- The Unsatisfactory Academic Progress by Coursework Students Policy. This policy affirms that the University is committed to maintaining the highest standards in student academic performance. It ensures students have the opportunity to perform academically to the best of their ability, and have support and assistance to reconsider their study options where a program proves to be unsuited to their abilities and interests. As part of this commitment the University monitors the progress of its students on an annual basis. This policy provides the framework for review of academic progress, and for complaint and appeal procedures for decisions made regarding academic progress.
- An addition to the Good Practice Guidelines on Assessment for Staff and Students regarding extensions for assessment tasks.
- A revised Student Experience of Learning and Teaching Policy.

Learning and Teaching Development Grants

In 2007, a total of \$150,000 was made available in the form of Learning and Teaching Development Grants to fund projects that were aimed at improving learning and teaching outcomes at the University. Funds were allocated for the following projects:

Area	Project Title
CLPD, ECMS, Sciences, Professions	Evaluating effectiveness, defining standards and sharing effective methods of assessment across disciplines
ECMS	Leveraging an industry partnership to enhance the computer networking student experience
ECMS, HS, CLPD	Forging their cutting edge: the adaptation, across two faculties, of an approach to explicitly and coherently develop student research skills
Professions	Advancing collaborative learning pedagogy with team learning systems
Sciences	A map of communication skills and best practice embedded within the B.Sci programs
Sciences, Adelaide Graduate Centre, CLPD	Improving discipline-specific research English skills via a computer-based tool: developing comprehensive materials for the Sciences Faculty

Carrick Institute for Learning and Teaching Grant Scheme 2007

Dr John Willison from the Centre for Learning and Professional Development was awarded \$215,488 for a project entitled: "Making Research Skill Development Explicit in Coursework: Four universities' adaptation of a model to numerous disciplines". The University of Adelaide is the leader in this project, which involves collaboration with Macquarie University, Monash University and the University of South Australia.

Professor Bryan Howieson in the School of Commerce is involved with partners from James Cook University, the University of Melbourne, RMIT, CPA Australia and the Accounting and Finance Association of Australia and New Zealand in a \$217,000 project to consider issues, obstacles and reforms for enhancing assessment feedback practices in accounting education.

Associate Professor Maree O'Keefe, Associate Dean (Learning and Teaching), Faculty of Health Sciences, was awarded \$217,000 for a project on using team management systems to identify and build leadership for quality learning in clinical health care teams.

Carrick Award for Programs that Enhance Learning

Professor Geoff Crisp, Associate Professor Mark Buntine and Mr Justin Read won a \$25,000 Carrick Award for Programs that Enhance Learning in the category of Educational Partnerships and Collaborations with Other Organisations, for the program entitled "Advancing Chemistry by Enhancing Learning in the Laboratory". Members of the winning team include staff from the University of Sydney, Macquarie University and the University of Western Australia.



(HERDSA) Conference and Fellowships

The University was a major sponsor for the Higher Education Research and Development Society of Australasia (HERDSA) conference in Adelaide in July 2007. The conference was attended by 320 delegates from across the world, and featured over 200 presentations on higher education issues, ranging from policy deliberations, theoretical perspectives, the scholarship of learning and teaching and approaches to enhancing the student experience.

Two University of Adelaide staff were awarded HERDSA Fellowships at the conference:

- Professor Geoffrey Crisp, Centre for Learning and Professional Development, for leadership in learning and teaching, academic and staff development, as well as policy development at the institutional and national level.
- Associate Professor Anna Chur-Hansen, Psychiatry, for designing curricula that facilitated critical thinking approaches from students in health science programs, examining the relationship between academic performance and English language proficiency, and extensive publications in the area of health professional education.

Educational Research Group of Adelaide (ERGA)

In September 2007, the Educational Research Group of Adelaide (ERGA) ran a successful conference on learning and teaching in higher education. ERGA is a group comprising members from the five Faculties and the Division of the Deputy Vice-Chancellor (Academic). Its aim is to promote high-quality University learning through evidence-based, practical approaches to teaching. Over 100 staff attended the Conference on the theme of "Assessment that Works". Professor Royce Sadler from the Institute of Higher Education at Griffith University presented the Keynote Address.

Headstart

The Headstart Scholarship Program aims to meet the needs of gifted and exceptionally motivated secondary students who require a challenge beyond the Year 12 curriculum. Successful Headstart applicants are awarded a Scholarship exempting them from tuition fees for up to 12 units for the first year of university study. In 2007, the University liaised on behalf of Headstart students, their parents, principals and mentors to ensure a successful program. In addition to tracking students' progress throughout their studies the University also organised academic and peer support.

New Academic Programs

The following programs at the undergraduate and postgraduate level were approved in 2007 to address the needs of students and industry:

Faculty of Engineering, Computer and Mathematical Sciences

Bachelor of Computer Graphics
 Bachelor of Engineering in Architectural Engineering
 Bachelor of Engineering in Avionics and Electronic Systems Engineering
 Bachelor of Engineering in Computational Engineering
 Bachelor of Engineering in Sports Engineering
 Bachelor of Engineering in Sustainable Energy Engineering
 Graduate Certificate in Social Entrepreneurship and Innovation

Faculty of Health Sciences

Master of Ophthalmology
 Master of Psychology (Health)

Faculty of Humanities and Social Sciences

Master of Environmental Policy and Management
 Master of Environmental Policy and Management (Applied)
 Graduate Diploma in Environmental Policy and Management
 Graduate Certificate in Environmental Policy and Management
 Professional Certificate in Environmental Policy and Management

Faculty of the Professions

Graduate Certificate in Commerce
 Master of Applied Economics (Public Policy)
 Master of Planning
 Master of Planning (Urban Design)
 Professional Certificate in Public Policy

Faculty of Sciences

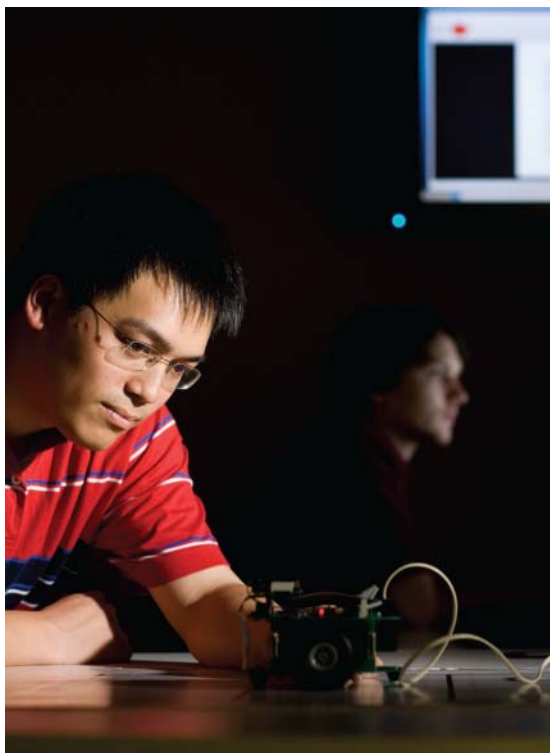
Master of Pig Science and Management
 Graduate Diploma in Pig Science and Management
 Graduate Certificate in Pig Science and Management

National Staff Awards

Carrick Institute Citations for Outstanding Contributions to Student Learning

Eight teaching staff from the University of Adelaide received Carrick Institute Citations:

- Dr Peter Ashman, School of Chemical Engineering, for the creative use of “real-world”, open-ended scenarios in Chemical Engineering to promote the development of skills in problem analysis and the ability to perceive and to choose between multiple solutions.
- Associate Professor Mark Buntine and Mr Justin Read, School of Chemistry and Physics, with Associate Professor Scott Kable (University of Sydney), Dr Simon Barrie (University of Sydney) and Dr Ian Jamie (Macquarie University) for the development and implementation of the ACELL project, that is improving the quality of teaching and learning in undergraduate chemistry laboratories throughout Australia.
- Dr Colin Kestell, School of Mechanical Engineering, for stimulating confident, self-directed student learning by modelling engineering practice in the classroom and lab while providing challenging, innovative and relevant curricula.
- Associate Professor Elizabeth Koch OAM, Elder Conservatorium of Music, for outstanding contribution to student learning in the field of music through the empathetic, effective mentoring of music students, particularly those studying the flute.
- Associate Professor Maree O’Keefe, School of Paediatrics and Reproductive Health, for innovative paediatric curriculum development including real and simulated experiential learning and consumer participation to enhance medical student learning.
- Ms Lucy Potter, School of Humanities, for outstanding modelling of both effective, student-centred teaching and dynamic leadership in the discipline of English, including ESL.
- Associate Professor Anne Tonkin, Medical Education Unit, for promoting and managing an integrated curriculum for medical students while enthusiastically modelling effective, student-centred teaching and learning in the classroom and the clinic.
- Associate Professor Tracey Winning, School of Dentistry, for sustained scholarship in the implementation of problem-based learning in the discipline of dentistry, along with student mentoring that inspires successful, self-directed learning.



University Staff Awards

Vice-Chancellor's Award for Excellence in University Teaching

In 2007 the Vice-Chancellor's Award for Excellence in Teaching was made to Associate Professor Maree O'Keefe from Paediatrics and Reproductive Health. The recipient of this annual award is selected from the pool of prize-winners of the Stephen Cole the Elder Prizes.

The Stephen Cole the Elder Prizes for Excellence in Teaching

Prize for Excellence in Team Teaching

- Dr Peter Devitt, School of Medicine, and Mr Edward Palmer, CLPD

Prize for Excellence in Teaching

- Associate Professor Maree O'Keefe, School of Paediatrics and Reproductive Health
- Dr Shona Crabb, School of Psychology
- Dr Tamath Rainsford, School of Electrical and Electronic Engineering

High commendations in recognition of their achievements in teaching were awarded to:

- Ms Elizabeth Koch, Elder Conservatorium of Music
- Associate Professor Amanda LeCouteur, School of Psychology

Faculty Teaching Prizes

Engineering, Computer and Mathematical Sciences

Learning and Teaching Awards

- Dr Katrina Falkner (Computer Science)
- Dr Colin Kestell (Mechanical Engineering)
- Dr Tamath Rainsford (Electrical & Electronic Engineering)
- Associate Professor Matthew Roughan (Mathematical Sciences)

Executive Dean's Award for Excellence in Teaching

A joint award was made to:

- Dr Katrina Falkner (Computer Science); and
- Dr. Tamath Rainsford (Electrical & Electronic Engineering)

Humanities and Social Sciences

Prize for Excellence in Teaching

- Dr Andre Lambelet, History

Executive Dean's Prize for Excellence in Teaching

- Ms Jenny Rosevear, Elder Conservatorium of Music
- Dr Paul Sendziuk, History

Health Sciences

Executive Dean's Prize for Excellence in Teaching

- Dr Julie Haynes, Medical Sciences
- Dr Hubertus Jersmann, Medicine
- Dr Christina Boros, Paediatrics and Reproductive Health
- Ms Shona Crabb, Psychology

Faculty of the Professions

Executive Dean's Prize for Excellence in Teaching

- Dr Katharine Bartsch, Architecture, Landscape Architecture and Urban Design (undergraduate award winner)

Faculty of Sciences

Executive Dean's Prize for Excellence in Teaching

- Professor Derek Leinweber, Physics
- Associate Professor Megan Lewis, Soil and Land Systems

University Medallists

Engineering, Computer and Mathematical Sciences

- Alexander Casimir Cichowski – Honours B Computer Sciences
- James Edward Daniell – B Eng (Civil & Structural) with Honours
- William Bernard Dorsch – B Eng (Civil & Environmental) with Honours
- Edward William Heddle – Honours B Maths & Computer Sciences
- Kylie Jane Hogan – Honours B Maths & Computer Sciences
- Sandun Viraj Wimalaguna Kodituwakku – B Eng (Electrical & Electronic) with Honours

Health Sciences

- Ali Abdelhamid – MBBS
- Anastasia Ejova – Honours B Psychology
- Rebecca Kate Venning – Honours B Health Sciences

Humanities and Social Sciences

- Eleanor Hamilton – Honours B International Studies
- Ryan James Simm – Honours B Mus (Performance)

The Professions

- Kim Stuart Anderson – Honours B Laws
- Mark Christopher Dodd – Honours B Economics
- Wing Yee Hsieh – Honours B Economics
- Zhiwei Liu – Honours B Economics

Sciences

- Peter John Moran – Honours B Science (High Performance Computational Physics)
- Casey Mueller – Honours B Science
- Stephen Warren-Smith – Honours B Science

Honours Alumni University Medallist

- James Edward Daniell – Faculty of Engineering, Computer and Mathematical Sciences

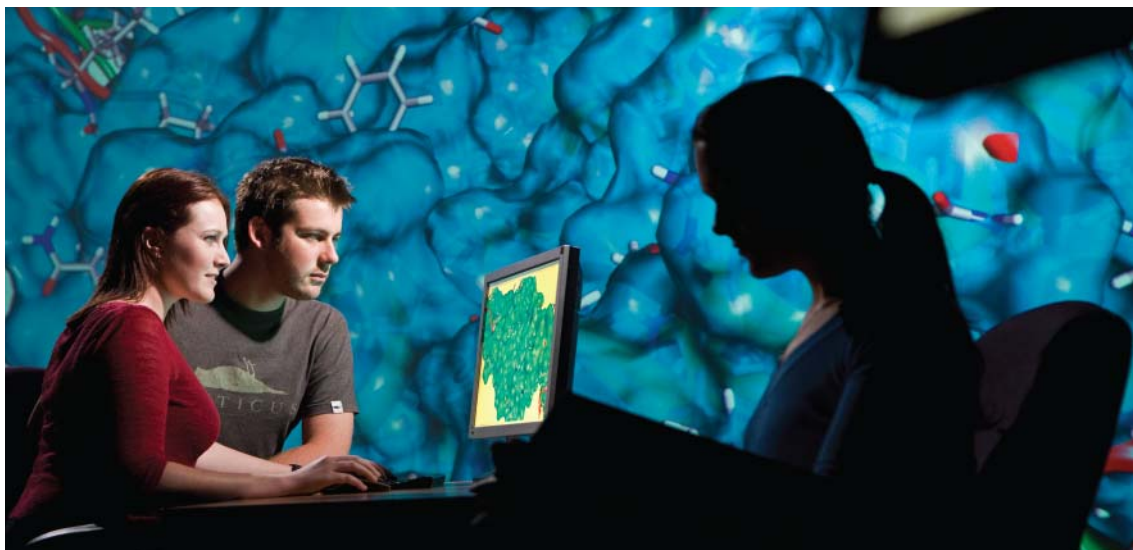
Postgraduate Alumni University Medallist

- Dr John Hedditch – Faculty of Sciences

Senior Secondary Assessment Board of South Australia (SSABSA)



The Minister for Education and Children's Services appointed Dr Sivakumar Alagumalai (School of Education) and Professor Deborah Turnbull (School of Psychology) as the nominees of the University to the SSABSA Board from 1 July 2007 to 30 June 2008. In addition, the Minister approved the appointment of Professor Geoffrey Crisp (Centre for Learning and Professional Development) and Dr Clement Macintyre (School of History and Politics) as deputies to the University's Board members.



Research and Research Training

The University of Adelaide aspires to be one of Australia's top universities by any measure, and the quality of its research is an essential component of the University's overall success of the University. Research impacts on every aspect of the University's activities, whether it be directly through research revenue and outcomes, or indirectly through student recruitment, community service, employment outcomes, the ability to attract high calibre staff, or many other nationally and internationally accepted indicators of excellence.

While Adelaide is not a large university, the quality of its research is such that it continues to attract one of the highest levels of per capita research funding in Australia. Funded projects contain many examples of pure and applied research, as well as collaborative ventures with government bodies, industry, other research institutions and the community in general. They range from matters of health to national defence to the environment. In 2007, one of the major activities for staff across the University was preparing for the Commonwealth Government's Research Quality Framework (RQF), until this was halted by the change of government late in 2007. While a time-consuming task, it provided the University with valuable and detailed information on its capabilities and strengths.

Research Policy and Management

As part of the development of the University Strategic Plan 2008-2012, a new Research and Research Training section was written to reflect the University's continuing support of research excellence in an increasingly competitive environment. This is captured in the primary goal, which states:

The University will actively support the development of world-class research in an increasingly competitive environment, both nationally and internationally. This goal will incorporate a strategy of targeted excellence with the aim of developing large scale research groupings and partnerships that are internationally competitive. We will increase the level of strategic investment in selected areas of research strength, strategic importance and competitive advantage. Our research performance will contribute to an outstanding research training environment which will produce highly skilled graduates who will be future leaders in their chosen field.

Throughout 2007, one of the major research management activities for staff of the University involved the preparation of its expected submission to the Research Quality Framework (RQF) exercise, the purpose of which was to provide the Commonwealth Government with a means of allocating a proportion of university funding on the basis of a detailed assessment of research quality and impact. Significant amounts of staff time and financial resources were allocated to this process, some of the main actions including:

- The establishment of an RQF Project Team to oversee the process, assisted by implementation staff, plus an RQF Board which met fortnightly to monitor progress and discuss any issues of concern.
- The distribution of an information booklet to all members of staff at the University, and establishment of a dedicated website for regular updates.
- The collection of the "best six" research outputs and other key information from academic staff to help in identifying the University's Research Groups for assessment. The Associate Deans (Research) in each Faculty had a prominent role in the process.
- The running of a set of "Shadow Panels", mirroring the RQF assessment panels, to provide an informed yet unbiased review of the University's RQF portfolio of Research Groups. These Panels included external members from interstate and overseas universities, industry, health units and government.
- The continuing implementation of a number of new corporate research systems to link with the RQF Management System. This included the development of a central repository of research output data within the University Library, called "DSpace", to facilitate the storage and electronic access of the "best" publications and other research outputs identified by the Research Groups.

Following the 2007 Federal election, the new Minister for Innovation, Industry, Science and Research announced in December that the Commonwealth Government would cease implementation of the RQF. The Minister said the Government was committed to a new streamlined, internationally-recognised, research quality assurance process using metrics or other agreed quality measures appropriate to each research discipline, with details to emerge during 2008. Due to the considerable effort undertaken by academic and professional staff throughout 2007, the University should be well placed to respond positively and efficiently to the requirements of any new system. The information collected in preparation for the RQF has already proven to be of considerable value to the University, which now has a high-quality, comprehensive and verifiable snapshot of its principal research groups and research outputs. This will be useful in decision-making for the allocation of strategic funding, infrastructure development, staff recruitment, research student recruitment, marketing and many other areas.

In the second half of 2007, there was a change to the senior management of the Research portfolio. The Deputy Vice-Chancellor and Vice-President (Research), Professor Alan Johnson AM, having played an important role in helping the University to maintain its position as Australia's most research-intensive university, left to establish his own international research consultancy service. Two highly experienced University of Adelaide staff members were appointed to manage the portfolio for an interim period: Professor Richard Russell AM as Pro Vice-Chancellor (Research Operations) and Professor Mike Brooks as the Pro Vice-Chancellor (Research Strategy).

Professor Richard Russell has served as the University's Dean of Graduate Studies since 2005. Awarded his DSc by the University of Tasmania in 1999, he is a Fellow of the Royal Australian Chemical Institute and the Royal Society of Chemistry, and he has written over 170 research papers. Professor Russell was awarded the Australian Award for University Teaching in Science in 1998, and was made a Member of the Order of Australia in 2001.

Professor Mike Brooks' appointment follows on from his full-time role as Chair of the University's RQF Board. Previously, Professor Brooks was head of the School of Computer Science, where he holds the Chair in Artificial Intelligence. He is a leading international researcher in computer vision and image analysis and has published over 100 articles in the field. His work has seen wide commercial utilisation and has resulted in international awards in the area of video surveillance. He is a Fellow of the Australian Computer Society and an associate editor of the International Journal of Computer Vision.

Research Infrastructure

During the year, negotiations proceeded on a number of significant initiatives supported by the Commonwealth Government's National Collaborative Research Infrastructure Strategy (NCRIS), a scheme to provide researchers with major research facilities, supporting infrastructure and networks necessary for world-class research. With additional support from the State Government, government agencies and industry, the University's involvement included:

- support for metabolomics research involving the Australian Wine Research Institute;
- the development of a National Plant Phenomics Facility at the Waite Campus;
- the development of an online Atlas of Living Australia for biological collections;
- access to new equipment as part of a National Imaging Facility to monitor the behaviour and function of cells within animals;
- the inclusion of a South Australian node in a new National Microscopy and Microanalysis Research Facility;
- working with SARDI and other universities on microalgae biofuels development;
- a consortium to develop an enhanced national geospatial reference system and an advanced system for acquiring and analysing geophysical and geochemical data;
- an initiative in health research using data linkage;
- a proposal to increase accessibility and value to ecosystem databases and to provide advanced measurement and monitoring of ecological processes; and
- a collaborative joint venture in eResearch between the three SA universities and the State Government.

To expand on one of these developments as an example, the Australian Microscopy and Microanalysis Research Facility has benefited from a high level of collaboration between the three South Australian universities and the State Government. Over half of the money invested is for two new instruments, a Focused Ion Beam / Field Emission Scanning Electron Microscope Dual Beam Instrument to be housed at Adelaide Microscopy (\$2.5 million), and a Time of Flight Secondary Ion Mass Spectrometer instrument to be housed at the Ian Wark Research Institute at the University of SA (\$2 million). The rest of the investment will be in people to support these instruments and, in the case of Flinders University, provide technical support for a range of instrumentation. This investment places Adelaide on the national stage with respect to flagship

instruments supporting leading edge research, and provides researchers with access to the whole of the instrumentation across the participating nodes.

Another source of Commonwealth Government support for research infrastructure is the Linkage Infrastructure, Equipment and Facilities Scheme (LIEF). This encourages collaborative arrangements to develop research infrastructure and supports large-scale cooperative initiatives. In 2007 the University was awarded a \$700,000 grant, led by Dr Joel Brugger (School of Earth and Environmental Sciences/South Australian Museum), in partnership with the Australian Synchrotron, for a "toolbox" of high-precision, spectroscopic tools to enable cutting-edge research into areas such as ore and environmental geology, metallurgy, nanotechnology and biotechnology.

In a related initiative, a Joint Venture Agreement for participation in the Australian Synchrotron development (also supported by NCRIS) was signed to form a consortium comprising the South Australian universities and La Trobe University, supported by the South Australian State Government. A synchrotron is a large machine (about the size of a football field) that accelerates electrons to almost the speed of light. As the electrons are deflected through magnetic fields they create extremely bright light, which is channelled down beamlines to experimental workstations where it is used for research. The construction of the initial suite of beamlines for the Synchrotron is being funded by a national consortium of universities, research organisations and state and regional governments. By collaborating in this consortium, the University's researchers will have ready access to this invaluable piece of equipment.

A further example of large research infrastructure developments within the University was the installation in March of a new high-performance supercomputer named "Corvus", capable of six trillion calculations per second. It will be used by the South Australian Partnership for Advanced Computing (SAPAC) to support research and development by governments, industry and universities in key areas of need. SAPAC is a partnership of the three State universities, and the supercomputer will be used to tackle big issues such as water resource and environmental management.



Research Funding Success

The University's total research income for 2007, as specified in the Higher Education Research Data Collection, was \$116 million. While the University attracts research income from a wide variety of sources, its major contributors remain Commonwealth Government agencies.

In 2007 the University of Adelaide was awarded over \$17.7 million plus a Federation Fellowship by the Australian Research Council (ARC), and more than \$24 million and an Australia Fellowship from the National Health and Medical Research Council (NHMRC). This funding includes support for a wide array of projects including research in reproductive medicine, children's health, minerals exploration, plant functional genomics, environmental change and sustainability, and biomedical sciences. Of the total funding awarded to South Australia from the ARC and the NHMRC, the University of Adelaide and its research partners continue to receive well over two-thirds of the State total. This excellent result highlights the strong nature of the University's continuing expertise and position as the premier research university in the State, as well as its productive, collaborative relationships with other South Australian organisations in government and industry.

The NHMRC provided the University of Adelaide and its research partners with funding for 37 new Project grants, eight research fellowships, a practitioner fellowship and a substantial equipment grant. This funding will support research projects from the conception of life, to the management of health and wellbeing in childhood and adulthood. Examples of the funded projects and their research team leaders include:

- Dr Jodie Dodd, School of Paediatrics and Reproductive Health, won a major grant for a study aimed at limiting weight gain in overweight and obese women during pregnancy.
- Associate Professor Jane Mathias, School of Psychology, won funding for a study looking at the structural and functional effects of traumatic brain injury, using state-of-the-art MRI techniques and cognitive tests.
- Associate Professor Robert Richards, School of Molecular and Biomedical Science, will conduct research into the function and contribution of certain genes in cancer cell biology.
- Professor Alastair MacLennan, School of Paediatrics and Reproductive Health, was awarded a grant for research into a genomic basis for cerebral palsy using a large Australian cohort.
- Associate Professor Claire Roberts, School of Paediatrics and Reproductive Health, will conduct research on diagnostic tests to predict risk for life threatening pregnancy complications.
- Dr Mark Gibson, School of Medical Sciences, was awarded funding to study the function of matrix proteins important for storage and activation of TGF and TGF-induced tissue remodelling and repair.
- Associate Professor Cory Xian, affiliated with the School of Molecular and Biomedical Science, was awarded funding for research into the pathophysiology and prevention of methotrexate chemotherapy-induced bone growth defects.
- Professor Robert Vink, School of Medical Sciences, will conduct a study into raised intracranial pressure after trauma, examining the characterisation and development of pharmacological interventions.

The University was also successful in winning two significant grants in the NHMRC "Healthy Start To Life For All Australians Strategic Awards", for research into the social, environmental and hereditary factors that impact on the health of Australian children:

- A team led by Associate Professor Michael Davies, School of Paediatrics and Reproductive Health, was awarded almost \$2 million for a study into intergenerational health among women and how conditions in pregnancy can affect the reproductive health of offspring in successive generations; and
- A team led by Associate Professor Vivienne Moore, School of Population Health and Clinical Practice, was awarded over \$1 million to examine early life influences on obesity and fat patterning in children, looking at critical periods, environmental determinants and the socio-cultural context.

The funded projects include researchers from within the University, as well as from research partners at institutions such as the Women's and Children's Hospital, Royal Adelaide Hospital, Queen Elizabeth Hospital, Women's and Children's Health Research Institute, Hanson Institute and the Institute of Medical and Veterinary Science. The University of Adelaide continues to place high priority on its relationship with affiliate institutions and staff, the mutual benefits of which are evident in this grant success through collaborative research projects and many other activities.

The 41 ARC-funded research projects won by University researchers include numerous ground-breaking projects that aim to impact on people's lives in Australia and around the globe, such as:

- Dr Joel Brugger *et.al.*, School of Earth & Environmental Sciences and the South Australian Museum, will develop experimental capabilities, theoretical understanding, and numerical modeling methods to research the structure and movement of fluids under extreme conditions.
- Professor Nigel Bean *et.al.*, School of Mathematical Sciences, were awarded funding to develop a mathematical model to implement the recommendations of the Wentworth Group of Concerned Scientists, aimed at protecting Australian water supplies.
- Associate Professor Bruce Dawson and Professor Roger Clay, School of Chemistry and Physics, will collaborate with the Pierre Auger observatory in Argentina on particle astrophysics research and the origin of the highest energy cosmic rays.
- Professor Barry Brook *et.al.*, School of Earth & Environmental Sciences, won funding to better understand human and climatic impacts over the last 46 millennia, aimed at providing a context to current environmental threats.



- Professor Adrian Bradbrook and Professor Judith Gardam, School of Law, will investigate the contribution of law to sustainable development and climate change.
- Associate Professor Michael Griffith *et.al.*, School of Civil and Environmental Engineering, received funding to investigate the earthquake protection of masonry buildings using fibre-reinforced polymer strengthening.
- Dr Jon Opie *et.al.*, School of Humanities, were awarded funding to investigate the biological foundations of cognition, with the aim of improving Australia's means of promoting and maintaining healthy cognitive function and treating cognitive dysfunction.

Continuing a strong tradition of developing research outcomes in partnership with industry, the University also won 16 new ARC Linkage grants over the two funding rounds announced in 2007, of which examples are:

- The Australian Centre for Plant Functional Genomics, in collaboration with DuPont-Pioneer, won \$900,000 for research into the efficient use of nitrogen in maize. The aim of the project is to identify nitrogen-linked traits that can be incorporated into new lines of maize, targeted at reducing grower dependence on nitrogen fertilisers that can have serious environmental costs.

- Professor Alan Cooper, School of Earth and Environmental Sciences, in partnership with the National Geographic Society, the Australian Federal Police and others, won \$395,000 to develop new methods to retrieve and analyse preserved DNA. The project will develop applications important for biosecurity, customs and quarantine, forensics/counter-terrorism, and studies of climate change.
- A research team led by Professor Gus Nathan, School of Mechanical Engineering, working with Indigo Technologies Group Pty Ltd, were awarded \$550,000 to develop technology to reduce the emissions of fine particle pollutants. As these emissions are a leading cause of asthma and other lung disease, the social and economic value of the project is enormous.
- Dr Michael Gold, School of Paediatrics and Reproductive Health, and other members of the University in partnership with the Royal Children's Hospital, SA and NSW Departments of Health and the Australian Paediatric Surveillance Unit, won \$454,232 to research the legal and ethical issues around linking data at national level.

In the inaugural round of the prestigious NHMRC Australia Fellowships, Professor James Paton of the School of Molecular and Biomedical Science was the only researcher from South Australia to receive a 2007 Fellowship. These Fellowships, worth \$4 million, are the NHMRC equivalent of ARC Federation Fellowships, and only nine were awarded across the country. The purpose of the Fellowship scheme is to provide support for the most outstanding health and/or medical researchers both nationally and internationally to undertake research that is of significant benefit to Australian health and medical research.

Professor Paton has an international reputation as a leader in bacterial pathogenesis and infectious diseases research. He has been at the forefront of his field for over two decades, and is a prolific publisher, with articles appearing in some of the world's most respected and high-impact journals, including *Nature Medicine*, *Annual Review of Microbiology*, and *Nature*. Professor Paton has worked with notable international bodies, including the World Health Organisation, in the development of improved therapeutic and preventative strategies. Combined with his considerable collaborative experience, this has led to major contributions to knowledge. Professor Paton's Fellowship will allow him to accelerate his research into new generation vaccines and therapeutic approaches for bacterial infections.

The University was also awarded over \$5.8 million from the Grains Research and Development Corporation (GRDC) in 2007 for research projects and programs:

- Dr Jeff Paull *et.al.*, School of Agriculture, Food and Wine, were awarded \$2.8 million from the GRDC for an Australian Faba Bean Breeding Program, with a focus on delivering a range of faba bean varieties that will increase the production and profitability of the Australian faba bean industry.
- Associate Professor Daryl Mares *et.al.*, School of Agriculture, Food and Wine, won \$2.6 million from the GRDC for a 4-year project on eliminating defects (such as pre-harvest sprouting) in wheat through the development of improved germplasm and screening technologies, and an increase in knowledge of underlying genetic, biochemical and molecular mechanisms.

Researchers at the University successfully win funding from a wide variety of sources in the government, industry and community sectors. The following examples give a flavour of the types of projects funded and the sources of that funding.

The SA Premier's Science and Research Fund, in announcements made in February and December, provided almost \$4.26 million to University researchers for five new projects:

- Professor Gus Nathan, School of Mechanical Engineering, will lead a team to build a large-scale wind tunnel that will support South Australia's defence, aerospace, wind turbine (power-generating) and wind engineering sectors, involving industry partners Connell Wagner and Tenix Defence.
- Dr Anton van den Hengel, School of Computer Science, received funding for a Visual Technologies Laboratory to boost technology and workforce development in digital content-based industries. Industry and research partners are the Defence Science and Technology Organisation, Tenix Group and Rising Sun Pictures Pty Ltd.
- Professors Jesper Munch and Tanya Monro, School of Chemistry and Physics, will develop high-powered fibre lasers for use in critical defence applications, collaborating with the Defence Science and Technology Organisation and Tenix.
- Professor Michael Rumsewicz, Director of the Centre for Defence Communications and Information Networking, will develop new communication technologies for the Australian defence industry, collaborating with the Institute for Telecommunications Research at the University of South Australia.
- Dr Braden Phillips and Dr Said Al-Sarawi, School of Electrical and Electronic Engineering, will develop smart sensors which can identify the contents of a package and monitor its environment, collaborating with industry partner, ColloTYPE.

The University of Adelaide and its partners were awarded over \$500,000 by the **National Heart Foundation of Australia** to undertake research projects relating to acute myocardial infarction, aortic valve calcification, and cardiovascular and inflammatory effects of dietary intervention in obesity and on cardiac electrophysiology.

Dr Paul Thomas, a developmental geneticist from the School of Molecular and Biomedical Science, was awarded a \$1 million **Pfizer Australia Research Fellowship** to support his cutting-edge research into the genetic basis of some intellectual disabilities.

University of Adelaide and Royal Adelaide Hospital ophthalmologists were awarded a \$1 million **AusAID grant** to help fight eye diseases in Burma. The grant is to fund a 4-year training program run by the South Australian Institute of Ophthalmology in conjunction with two city eye hospitals and 33 regional eye centres in Burma.

Professor David Coventry, School of Agriculture, Food and Wine, was awarded funding by the **Australian Centre for International Agricultural Research** for a project on enhancing farm profitability in northwest India and South Australia by improving grain quality of wheat.

Publications

Institutional data on publications by staff and students of the University is gathered annually to comply with the requirements of the Higher Education Research Data Collection by the Department of Education, Science and Technology (DEST). The data counted in the publications collection is used by the Commonwealth in the formula for allocating funding under the Institutional Grants Scheme and the Research Training Scheme. The DEST collection requires that publications be counted in four categories: Books, Book Chapters, Journal Articles and Conference Papers.

A total of 2,466 publications were found to be eligible for inclusion in the DEST categories for 2006. After counting the contribution by eligible University author(s) to each item, the total unweighted score reported to DEST is 1607.4 (Table 1). This is 119.3 (8.0%) greater than the unweighted score reported for 2005 publications. It is worth noting that the overall score for 2006 is the highest the University of Adelaide has yet reported.



Table 1: Unweighted Score for the years 1997–2006

	A1 Books	B1 Book Chapters	C1 Refereed Journal Articles	E1 Full-Refereed Conference Papers	TOTAL
1997	11.33	104.77	789.87	139.78	1,045.75
1998	13.08	98.86	858.91	183.89	1,154.74
1999	12.83	104.33	821.41	156.54	1,095.11
2000	9.50	112.44	922.03	122.27	1,166.24
2001	15.99	91.22	1,038.53	173.64	1,320.78
2002	13.5	78.63	1,010.15	158.87	1,261.15
2003	16	95.22	979.93	208.56	1,299.71
2004	13	104.29	1,086.22	271.49	1,475.00
2005	15.5	112.9	1,053.79	305.9	1,488.09
2006	16.67	107.77	1,137.12	345.85	1,607.38

Research Commercialisation

2007 was another record year of success for the University's contract research and commercialisation portfolio. Links with industry, government and other research organisations continued to be strengthened by the University's commercial development company, Adelaide Research and Innovation Pty Ltd (ARI). ARI's role is to help the University achieve high impact in the local and international community from its research, teaching and learning by facilitating the provision of contract research, consultancy, technology transfer and educational services. ARI provides a comprehensive range of advice and services that support the protection and transfer of intellectual property and other forms of research commercialisation.

Following on from consistent year on year growth over the last few years in contract research, consulting and commercialisation revenue, ARI continues to develop its marketing of University research offerings, especially as they relate to commercialisation and research capability and impact, with the launch of new funding schemes, and business development activities designed to raise awareness of the University's capability and success in this area.

In 2007 contract research and consulting revenue exceeded \$20 million, up from \$16.5 million in 2006. The Faculty of Health Sciences continues to account for the majority of total contract research and consulting revenue. Strong growth was also experienced from the defence, environmental, international trade and ICT industry sectors, a tribute to the wide range of expertise and capability across the University. Contributions from the University's business units also increased notably, with major contracts secured by Australian Health Technology Assessment, Data Management Analysis Centre and the Pain and Anaesthesia Research Clinic. The University's largest customer across faculties remains the Federal Government, but the State Government also provides very valuable support. All of the revenue generated from contract research, consulting and commercialisation is directed through ARI back to the University to fund further research and education.

Commercialisation royalty receipts continue to be largely derived from agricultural Research and Development, where the University has produced more than 30 wheat and 11 barley varieties with commercial partners such as ABB Grain Ltd. These returns were suppressed by drought impacts in 2006 (and a similar effect is expected for next year's returns). ARI's commercial development managers have assisted the University to win a number of linkage grants, Premier's Science and Research funding, and the legal team continues to provide extensive legal support to the University on grants and other matters.

In an initiative to further increase the number of successful commercial ventures at the University of Adelaide, ARI developed a new funding scheme to assist individual researchers. The Commercial Accelerator Scheme provides researchers with funding of up to \$250,000 so that they can establish proof-of-concept or reach a development milestone necessary to attract a commercial partner. In its inaugural year the program has selected two University technology projects for further development: software developed in Computer Science that is designed to enable rapid interactive scene modelling from video, with potential applications in architecture, film, games and other fields; and a novel nasal spray where the medicinal properties of shellfish are being used to improve wound healing.

ARI Pty Ltd also facilitated a \$1.4 million Venture Capital investment into a University technology spinout company, Reproductive Health Sciences Pty Ltd, and progressed other potential venture capital investment, with funds based in the UK and elsewhere.

This was also the inaugural year of the Adelaide Research and Innovation Impact Awards, designed to recognise and reward researchers who can demonstrate successful commercial partnerships with industry and projects that are making an impact in the community, the State and around the world. In 2007 the following Awards were announced:

- Professor John Wallace (School of Molecular and Biomedical Science) and Dr Sam Stacey (School of Earth and Environmental Sciences) each won an "Excellence in Innovation and Entrepreneurship Prize". Professor Wallace is a molecular biochemist renowned for his work on the role of human growth factors and potential cancer treatments, and Dr Stacey is an agronomist who has developed more effective and cheaper fertilisers.
- Professor Peter John Wormald and his PhD student Dr Theodore Athanasiadis won the "Most Exciting New Disclosure Award" for their invention which improves healing, controls bleeding and prevents excess scar tissue after sinus surgery. The pair collaborated with colleagues in New Zealand to develop a special anti-adhesion dressing.
- Professor Janet Hiller and Associate Professor John Moss from the School of Population Health and Clinical Practice won a prize for "Growth in Contract Research" for securing the largest new research contract on behalf of the Australian Health Technology Assessment.

The research awards were sponsored by the State Government, the University of Adelaide and a host of South Australian companies.

Research Training and Scholarships

Foremost amongst the attributes enhancing the University's research environment is the training of students who will provide the next generation of researchers within Australia. The University is proud of the quality research training and experience it provides to its postgraduate research students. In 2007, Adelaide completed 270 research-intensive postgraduate qualifications, including 241 research PhDs.

Student feedback indicators demonstrate a high level of student satisfaction with their graduate experience at Adelaide. The University supports its students in a large number of tangible ways. The Graduate Centre is constantly evolving to meet the changing needs of students and their supervisors and plays a vital role in ensuring that candidatures are well administered and that students are supported at every step of their research training.

One of the fundamental research training aims of the University's Strategic Plan is to increase the number and proportion of domestic and international higher degree by research students, and one important way in which it does this is through scholarships. In 2007, Adelaide administered 64 commencing Australian Postgraduate Awards. In addition to this national scholarship program, Adelaide funds its own scholarships scheme, allocating 188 new Divisional research scholarships.

A new University-funded initiative funded has resulted in an additional eight students accepting places. The scheme provides tuition fee waivers to international students completing a 4-year undergraduate degree or equivalent (with First Class Honours), or a Masters degree at the University of Adelaide in 2006 or 2007.

In late 2007, an agreement between the University and the China Scholarship Council was signed, which will provide research training for qualified postgraduate research students and early career postdoctoral research scholars from Chinese universities. The first set of 10 tuition fee scholarships will be awarded in 2008 to applicants from partner universities in China.

The University also allocated a number of international postgraduate research scholarships, funded by the Commonwealth Government and the University. Twenty-one scholarships were made available to cover tuition fees and a living allowance for up to 3½ years, with an additional 15 scholarships, available for the first time, covering tuition fees only. The successful recipients come from a diverse range of countries, including Germany, Kenya, Canada, Myanmar, Russia and Vietnam.

Scholarships are also funded by numerous external bodies. For example, the University of Adelaide



Amy Ellks

was awarded four Endeavour Postgraduate Awards for incoming students in the 2007 national competition. These students are from Bangladesh, India, Sri Lanka and India.

Two University of Adelaide graduates were awarded Fulbright Scholarships to undertake further study in the United States. Amy Ellks is a graduate of the Elder Conservatorium of Music and will use her scholarship to study musical performance, majoring in classical flute, at one of the high-calibre music institutions in New York. Rowena White graduated with degrees in Commerce and Laws (Honours) at the University and will use her scholarship to study for a Master of Laws at either Columbia University or Harvard University.

Helping to make solar cells cheaper and more accessible to the general public is the personal aim set by the University's 101st Rhodes Scholar, Sam Stranks, an Honours student in the School of Chemistry and Physics who completed a double degree in Science and Arts. The scholarship will enable him to study for a D.Phil (PhD) in Condensed Matter Physics at the University of Oxford, where he will join research efforts to find organic semi-conductors that could form the basis of next-generation solar cells.

In further acknowledgement of the importance the University attaches to high quality supervision for research students, the Awards for Excellence in Higher Degree by Research Supervision were offered for the first time in 2007. The inaugural Award went to Professor Martha Augoustinos, School of Psychology. Professor Augoustinos was praised by students and colleagues as an excellent communicator and a caring and student-focused mentor who engendered in students the self-confidence required to complete and report on excellent research in a mature and accomplished manner. High Commendations went to Associate Professor Amanda LeCouteur (School of Psychology) and Associate Professor Elizabeth Koch (Elder Conservatorium of Music).

Research Collaboration

Members of the University regularly collaborate with industry, government, other research institutions and the general community in many and varied ways. The following section provides a few examples of activity in 2007.

As part of a major collaborative initiative in climate change research, Professor Barry Brook took up the position of the Sir Hubert Wilkins Chair of Climate Change, an appointment funded by the State Government. (Sir Hubert Wilkins was a South Australian who spent his life researching the weather and how it impacts on people.) Professor Brook's contributions to the fields of conservation biology, population modelling and extinction theory are recognised internationally and, as part of his role, he will help to advise government, industry and the community on how to tackle climate change. Professor Brook also holds the Directorship of the new University Research Institute for Climate Change and Sustainability, which is jointly funded by the University and the State Government.

In a related area, the University was awarded \$250,000 from the State Government to help develop an international research facility into geothermal energy, based within the University's Australian School of Petroleum. The funding is being used to allow the University to host Australia's first research cluster examining all aspects of hot rock enhanced geothermal systems.

The University of Adelaide is helping to develop healthier high fibre grain varieties as part of a new \$12.7 million research alliance. The High Fibre Grains Research Cluster combines the expertise and resources of the University of Adelaide, the University of Queensland, the University of Melbourne and CSIRO, through the CSIRO's Food Futures National Research Flagship, to develop wheats with improved health benefits and heightened value for the grains industry. The Cluster aims to improve the fibre qualities of grains, focusing on the biggest source of fibre in grains: non-starch polysaccharides of the plant cell wall. The University of Adelaide team, led by Professor Geoff Fincher, is building on research undertaken at the Waite Campus to try and increase beta-glucan content in cereals, including wheat, which currently has lower levels than both barley and oats. This research was undertaken in collaboration with the University of Melbourne and the Australian Centre for Plant Functional Genomics.

Pulse Breeding Australia, launched during the year, is a collaborative venture between the University of Adelaide, the Grains Research and Development Corporation, Pulse Australia, the SA Research and Development Institute, and state departments of primary industries in Victoria, NSW, Queensland and Western Australia. Its role is to coordinate

Australia's pulse breeding efforts and create a world-class breeding and germplasm enhancement program. Pulses are the dried edible seeds of legume plants such as lentils, beans and peas.

In late 2007, the Defence Science and Technology Organisation (DSTO) and the University of Adelaide signed a new Strategic Alliance Agreement. This builds upon an initial agreement in place since 2004, and provides a firm basis for a number of mutually beneficial initiatives, including scholarships for final-year honours students engaged in the study of future technologies for defence and national security applications. Through the alliance, the DSTO has provided research funding of more than \$5 million for professorial chairs, postdoctoral and postgraduate research, numerous projects under the centres of excellence, graduate student projects under a DSTO industry program, and student undergraduate scholarships. ARI Pty Ltd continues to work with its counterpart at the DSTO (the Business and Commercialisation Office) to ensure that the revised arrangements facilitate streamlined dealings between the University and DSTO.

The University of Adelaide and the Chinese Academy of Sciences established a new research institute based in Australia and China to tackle some of the biggest environmental issues facing both countries. The new China-Australia Environmental Science and Technology Institute will bring together complementary research groups from both countries to focus their efforts on food and water security and sustainability. The Institute will play an important role in building bridges between science, industry and government within and between Australia and China, and will greatly strengthen research, political, cultural and economic ties. Associate Professor Justin Brookes, a nationally renowned researcher in water quality research from the University of Adelaide, was appointed a joint leader of the new Institute.

Collaborative networking, both across the University and with external bodies, was also promoted through the continuing work of a number of University Research Clusters in the areas of computational neuroscience, water and health-related issues. The Cluster strategy seeks to achieve relationship building by bringing together multi-disciplinary researchers.

Awards and recognition

Throughout 2007 numerous University researchers were recognised by external bodies for their achievements.

Professor Nick Harvey, Executive Dean of Humanities and Social Sciences, was one of the global team of scientists recognised in the 2007 Nobel Peace Prize, awarded jointly to the Intergovernmental Panel on Climate Change (IPCC) and former United States Vice-President Al Gore for “their efforts to build up and disseminate greater knowledge about man-made climate change, and to lay the foundations for the measures that are needed to counteract such change”. The IPCC has involved thousands of leading scientists and officials from more than 100 countries collaborating to assess the scientific evidence for global warming.

Professor Martin Williams, Foundation Professor of Environmental Studies from the School of Social Sciences, was awarded the Royal Society of South Australia’s highest honour, the Verco Medal, for his outstanding research on landscape evolution and climate change.

Professor Barry Brook, the Sir Hubert Wilkins Chair of Climate Change, was given a “Bright Sparks” award by the national science magazine *Cosmos* as one of the top 10 young scientists in Australia. He was also the recipient of the Andrewartha Medal from the Royal Society of South Australia, and the Edgeworth David Medal from the Royal Society of New South Wales, for outstanding contributions to science.

Four University staff and graduates were awarded UNESCO certificates of achievement for their respective fields. Professor Stephen Lincoln, Chemistry and Physics, was honoured for his scientific work on global warming and climate change; Dr Rob Amery, a lecturer in linguistics, was recognised for his work as a Kaurna language specialist and reviver of endangered indigenous languages; Ms Heather Southcott, a graduate of the University and human rights advocate, was honoured for her services to the community; and education expert Joy de Leo OAM, studying for her Doctorate in Education at the University, was given an award for her services to UNESCO.

The Australian Institute of Physics awarded Associate Professor Derek Leinweber, School of Chemistry and Physics, the Walter Boas Medal, one of Australia’s major physics prizes, for his original research contribution to the field. His research has provided new ways of determining the properties of subatomic particles, and he has made world-leading contributions to highly complex study of quantum chromodynamics.

Professor Tanya Monro, also from the School of Chemistry and Physics, was announced as the

2007 Australian Institute of Physics “Women in Physics Lecturer”.

Professor Rob Norman, a pioneering fertility research scientist, and Professor James Paton, an expert in infectious diseases, were named among the NHMRC’s *10 of the best – Great minds in Australian research*, for their contributions to health and medical research.

Mr Martin Sale, a PhD student in the School of Molecular and Biomedical Science, was chosen as the 2007 Young Scientist of the Year in the national “Fresh Science” competition. Fresh Science helps to identify new and interesting research being done by early-career scientists around the country, and gives them the opportunity to communicate their science to the public.

Mr James Smith, conducting research in the area of men’s health, was named the 2007 Young Achiever of the Year for South Australia. Based in the School of Population Health and Clinical Practice, his research forms part of the Florey Adelaide Male Ageing Study. Ms Sarah Crook, a PhD candidate in the School of Mechanical Engineering, was presented with the Science and Technology Award at the same event for her research into ways of reducing the intense noise and vibration produced by high-speed aircraft.

Dr Janet Collier, School of Medical Sciences, and Dr Frank Grützner, School of Molecular and Biomedical Sciences, were recognised for their outstanding contributions to scientific research, being named SA Young Tall Poppies of Science. Dr Collier’s research is in the fields of clinical pharmacology and pharmacogenomics, while Dr Grützner’s research is aimed at understanding how the genetic material of different species is organised in the cell.

Ms Cadence Minge, a PhD student in the School of Paediatrics and Reproductive Health, is the 2007 South Australian Young Investigator of the Year. The award recognises her work on the relationship of high-fat diets to infertility in obese women. The Award is an initiative of the Children, Youth and Women’s Health Service and the Faculty of Health Sciences at the University of Adelaide.

University of Adelaide Creative Writing PhD student Stefan Laszczuk won Australia’s richest and most prestigious prize for an unpublished manuscript, the Vogel Literary Award. His winning manuscript was for a novel called *I Dream of Magda*, and formed the major creative work for his PhD project.

Professor Ngaire Naffine of the Law School was appointed to the ARC College of Experts for the period 2007–2009. This is an outstanding achievement and a recognition of Professor Naffine’s outstanding reputation as a legal scholar, internationally and nationally.



Professor Barry Brook



Professor Tanya Monro



Professor Nick Harvey



Ms Cadence Minge

Mr Martin Sale
Photo by Michael Potter,
courtesy of *The Australian*Mr Stefan Laszczuk
Photo courtesy of *The Australian*

Professor Graeme Dandy, School of Civil and Environmental Engineering, was elected a Fellow of the Australian Academy of Technological Sciences and Engineering, placing him among Australia's leaders of technology and engineering. His work is helping to improve the quality and control of water supply throughout Australia and across the world.

Professor Pascale Quester, Executive Dean, Faculty of the Professions, was awarded the status of "Professeur des Universités" as well as the "Habilitation à Diriger les Recherches" (a national diploma of higher education conferred post-doctorally and providing national accreditation as a research supervisor at the highest level) by the French National Academic Committee.

Professor Christopher Findlay, School of Economics, was awarded the Member of the Order of Australia (AM) in the Australia Day Honours List, for service to international relations in the Asia-Pacific region, to economic co-operation in trade, transportation and economic reform, and to education.

Emeritus Professor Trevor Wilson, a leading military historian, was appointed an Honorary Member (AM) in the General Division of the Order of Australia. Professor Wilson received his honour for service to education in the area of World War I military history through teaching, writing and historical research.

Research Centres

In 2007 the University launched a number of new research centres in the areas of health, the environment and risk management, bringing together a critical mass of staff under a coherent research theme.

In August, the Premier, the Honourable Mike Rann, launched the Research Institute for Climate Change and Sustainability. The Institute brings together researchers from across each of the University's five faculties to undertake research on reducing carbon emissions and developing adaptive strategies to respond to the anticipated impacts of climate change. The inaugural Director is Professor Barry Brook, the Sir Hubert Wilkins Chair of Climate Change. This joint initiative between the University of Adelaide and the State Government, in collaboration with industry and other research organisations, will help put South Australia at the forefront of climate change research. Some of the research projects undertaken by members of the Institute include modelling ecological impacts of climate change with the view to managing species diversity; developing quieter, low cost, micro wind turbines; developing a number of combustion technologies to enhance the use of biomass fuels; and investigating the impact of elevated carbon dioxide on vine growth and production.



In a major step forward for men's health in Australia, the University of Adelaide and the Freemasons Foundation jointly established the Freemasons Foundation Centre for Men's Health, which aims to enable men to live longer, healthier and happier lives. The Centre is the first of its kind in Australia and one of only a handful of centres in the world with a focus on all aspects of men's health. Its aims are to raise the public profile of men's health issues; develop effective strategies for promoting positive health and wellbeing among men and boys; develop effective treatments for health conditions and diseases affecting men; and to build a critical mass of researchers and practitioners with interests in various aspects of men's health. The inaugural Director is Professor Villis Marshall, an internationally recognised consultant in urology, educator and researcher. Funding was also provided for two Freemasons Foundation Research Fellows and six Freemasons Foundation PhD Scholarships. The Centre will build on the University's considerable expertise in men's health research through studies such as the Florey Adelaide Male Ageing Study and others.

The Centre for the Quantification and Management of Risk was formally established in August. Its mission is to be an international leader in research and education in integrated approaches to the quantification and management of risk and in the public perception and understanding of risk. The Centre will serve key sectors of the state and national economies, including those of defence, mineral and energy resources, banking and finance, and environmental sustainability. It builds on the existing, extensive expertise of University of Adelaide staff in risk assessment, analysis and perception together with that of internationally renowned visiting staff. The Director of the Centre is Dr Nicholas Buchdahl of the School of Mathematical Sciences, who has an international reputation for his research on problems in geometric analysis.

Commonwealth-Funded Research Centres

Australian Research Council (ARC)

- Special Research Centre for the Molecular Genetics of Development
- Special Research Centre for the Subatomic Structure of Matter

ARC Research Network

- Understanding and Managing Australian Biodiversity

ARC-NHMRC Research Network

- Genes and Environment in Development

Australian Research Council and Grains Research and Development Corporation

- Australian Centre for Plant Functional Genomics

National Biotechnology Centre of Excellence Program

- Australian Centre for Stem Cell Research (partner)

National Health and Medical Research Council

- Program for Early Origins of Adult Disease
- Program in Reproductive Health for Women: From Egg to Embryo
- Program for Understanding the Human Genome: Molecular Mechanisms of Genetic Disease (affiliate)
- Program for Leukocyte and Endothelial Cell Biology (affiliate)
- Program for the Molecular Basis of Bacterial Infectious Diseases (partner)
- Program for a Practical Model of Pig Islet Xenotransplantation (partner)
- Program for Posttraumatic Mental Health: Enhancing Resilience and Recovery (partner)

Cooperative Research Centres

- CRC for Australian Weed Management (core)
- CRC for Beef Genetic Technologies (core)
- CRC for Desert Knowledge (associate)
- eWater CRC (core)
- CRC for Greenhouse Gas Technologies (core)
- CRC for an Internationally Competitive Pork Industry (core)
- CRC for Landscape Environments and Mineral Exploration (core)
- CRC for Molecular Plant Breeding (core)
- CRC for National Plant Biosecurity (supporting)
- CRC for Plant-based Management of Dryland Salinity (core)
- CRC for Sustainable Aquaculture of Finfish (supporting)
- CRC for Water Quality and Treatment (core)

University of Adelaide Research Centres and Units

University-Designated Research Centres

- Australian Institute for Social Research
- Australian Centre for Evolutionary Biology and Biodiversity
- Australian Research Centre for Population Oral Health
- Biocity: Centre for Urban Habitats
- Centre for Biomedical Engineering
- Centre for Early Origins of Health and Disease
- Centre for High Performance Integrated Technologies and Systems
- Centre for Human Movement Control
- Centre for International Economic Studies
- Centre for Labour Research
- Centre for the Quantification and Management of Risk
- Centre for Reproductive Health
- Centre for Soil-Plant Interactions
- Freemason Foundation Centre for Men's Health
- Institute for Climate Change and Sustainability
- Institute for Geometry and its Applications

Other University Centres

- Australian Centre for Ancient DNA
- Centre for Australian Indigenous Research and Studies
- Centre for Automotive Safety Research
- Education Centre for Innovation and Commercialisation
- Institute for International Trade
- International Centre for Financial Services
- National Centre for Social Applications of Geographical Information Systems
- TRC Mathematical Modelling

Faculty Research Centres, Units and Groups

- Adelaide Centre for Health Technologies and Services Research
- Australian Research Centre for Health and Wellbeing of Women and Babies
- Biological Anthropology and Comparative Anatomy Research Unit
- Cardiovascular Research Centre
- Centre for Asian and Middle Eastern Architecture
- Centre for Intercultural Studies and Multicultural Education
- Centre for History of Food and Drink
- Centre for Human Decision Making and Expertise
- Centre for Internet Technology Research
- Centre for Orofacial Research and Learning
- Centre for Pain, Addiction and Anaesthetic Research
- Children's Research Centre
- Colgate Australian Clinical Dental Research Centre
- Franco-Australia Centre for International Research in Marketing
- Microalgal Biotechnology Group
- Primary Care Respiratory Unit

Joint University/Other Research Organisation Units

- Adelaide Microarray Facility
- Adelaide Proteomics Centre
- Australian Centre for Visual Technologies
- Centre for Treatment of Anxiety and Depression
- Centre for Defence Communications and Information Networking
- Centre of Expertise in Photonics
- Don Dunstan Foundation
- Ethics Centre of South Australia
- Human Nutrition and Vascular Physiology Research Facility
- Monoclonal Antibody Facility
- SARDI / University of Adelaide Food Safety Alliance
- South Australian Centre for Economic Studies
- South Australian Centre for Rural and Remote Health
- South Australian Partnership for Advanced Computing



Internationalisation

Highlights of the University's international activities in 2007 were:

- the University decided to expand and re-brand the Ngee Ann Adelaide Education Centre in Singapore;
- the University's international enrolments grew at well above the national average;
- substantial growth in AusAID scholarship student numbers (especially from Indonesia);
- establishment of a good relationship with the China Scholarship Council for recruitment of research students and postdoctoral researchers;
- the Adelaide Confucius Institute was launched, in conjunction with Shandong University;
- establishment of new partnerships with leading universities in Malaysia, Thailand and in Europe;
- a significant improvement in the University's world ranking;
- a 30% increase in University of Adelaide students going overseas on student exchange programs;
- the successful outcome of the DEST audit of compliance with the new ESOS Code;
- launch of the International Careers Evening;
- University commitment to the integration of international and local students;
- establishment of the Internationalisation Strategy Committee.

Internationalisation Strategy

Early in the year an updated Internationalisation Plan 2007–2009 was developed. It identified several driving forces which underlie the internationalisation of the University's activities: (1) the creation of new knowledge, and its dissemination and acquisition by others, is typically enhanced through collaborative relationships that go beyond national boundaries; (2) the intellectual life of the University is significantly enriched by the presence of students and staff drawn from culturally diverse backgrounds; (3) many of the University's graduates are likely to be employed in the future in roles that will call for international engagement and require qualifications that are internationally recognised; (4) the University wishes to align itself, wherever possible, with the objectives indicated within the South Australian Strategic Plan and with the strategic priorities identified by the Australian Government; (5) the University has a commitment to contribute, wherever possible, to intercultural understanding and capacity building within the region of the world in which it is located; (6) support for the University's research and teaching programs depends in part on the attraction of funding from overseas sources; and (7) determination of the quality of the University's research and teaching programs requires international as well as national benchmarking.

Subsequently, internationalisation was mainstreamed in the University's new Strategic Plan, approved by Council in December.

During the year a high-level Internationalisation Strategy Committee was established, chaired by the Deputy Vice-Chancellor and Vice-President (Academic). The Committee met five times during

2007. Matters it considered included country strategies for China, India and Scandinavia, a framework for international agreements, and a paper on risks associated with the China market.

The Committee is in the process of formalising the approaches to be pursued by the University as a whole in relation to its major overseas markets. The first of these is the strategy for China. China is the University's largest source of international students and is also a country in which considerable progress has been made in establishing partnerships with high quality universities and research academies. The establishment of the University's Confucius Institute in conjunction with Shandong University, the training program for Mayors of Chinese cities conducted by the University's Institute for International Trade, the invitation from the Chinese Embassy in Canberra to lead a delegation of 50 Australian university students on a study tour organised by the All-China Youth Federation, the University's involvement in the China Australia Executive Leadership Program, and its collaboration with the China Scholarship Council on the education and training of PhD students and early career researchers, are some other examples of the strength of ties with China. The China Strategy includes a number of actions aimed at ensuring that the University maintains a strong profile in China and is recognised as a quality research-intensive University, promoting staff participation in opportunities for research collaboration and research training with top Chinese universities and academies, and contributing to the achievement of the international student growth targets for the University.

Confucius Institute

The Confucius Institute at the University of Adelaide was officially launched in March by the Minister for Foreign Affairs, Alexander Downer, and the Chinese Ambassador-designate to Australia, Mr Zhang Junsai, in front of a large gathering. The function included the signing of an Agreement by the Vice-Chancellor and the President of Shandong University, the Chinese partner institution for the Institute. The Director-General of the Office of the Chinese Language Council International (Hanban) and the Governor of Shandong Province sent messages of congratulations. The SA Government was represented by Minister Paul Holloway, who was an official witness at the signing of the

original agreement for the Confucius Institute last year in Beijing. Members of the local business, educational and Chinese communities were well represented at the launch. This is only the third Confucius Institute to be established in Australia. During the year appointments were made to the position of Professor of Chinese Studies and Director of the Adelaide Confucius Institute, and to the position of Executive Officer of the Institute. Hanban sent an expert on language teaching to deliver workshops through the Confucius Institute for teachers of Chinese in South Australian schools, and provided a US\$100,000 establishment grant for the Institute.

International Enrolments

International student load grew from 3,922 EFTSLs in 2006 to 4,359 EFTSLs at the end of 2007, an increase of 11%. International students now comprise 27.2% of the University's total student load.

The total number of international students (persons rather than student load) reached 5,470 in 2007 (an 11% increase on the previous year), of whom 731 were enrolled offshore in Singapore and Hong Kong. The most significant growth continued to be in postgraduate coursework programs in the School of Commerce. International students comprised 24.0% of the students at the University's campuses in Adelaide.

The growth in international student enrolments was well above the growth rate for all Australian universities combined.

The top source countries for international students were (in order) China, Malaysia, Singapore, Hong Kong, India, USA and Indonesia. Students from China are by far the largest group (38%), increasing both in absolute numbers and as a proportion of the University's international students.

The University had its first two students (one incoming and one outgoing) undertaking joint PhDs with a French university, under the cotutelle arrangements with French universities.

The University actively pursued opportunities to increase the number of international postgraduate research students. The main strategies to do this are by agreements with overseas sponsoring bodies and with overseas universities, and by the University funding additional scholarships. An Agreement was signed with the China Scholarship Council (CSC) for the University to provide research training for qualified postgraduate research students and early career postdoctoral research scholars from Chinese universities, commencing from July 2008. The University and the CSC will jointly offer new scholarships for up to 10 Chinese research students in 2008, up to 30 new scholarships in 2009, and up to 50 new scholarships in 2010. A parallel scheme is proposed at the postdoctoral level, but the numbers to be targeted in each year in that case have been left open. Similar initiatives are also being pursued in Europe and with other countries in Asia and the Middle East, including Malaysia, Vietnam, and Saudi Arabia. The University also introduced partial scholarships for international students progressing from honours to the PhD level.

The University took several initiatives in 2007 to strengthen its international student recruitment. Agents and media representatives from selected overseas markets were brought to Adelaide to familiarise themselves with the University



and the city. Particular attention was given to diversifying the University's recruitment across a range of countries (to manage risk and enhance cultural diversity) and areas of study (spreading internationalisation across all Faculties). The University took its first sponsored students from Kazakhstan, and its first sizeable cohort of students from Saudi Arabia. Representations were also made in Singapore and India to obtain recognition there of the University's law degree.

The English Language Centre saw a growing demand for its range of English language programs, cultural programs and English teacher training services (TESOL) for international students and visiting groups. In 2007 it conducted short term study tour programs for 21 groups made up of over 380 students from Japan, Korea and China; it had over 440 students undertaking its Pre-Enrolment English Program (PEP), which provides a direct entry pathway to undergraduate and postgraduate programs at the University of Adelaide; and had 94 students enrolled in the General English for Academic Purposes (GEAP) program, a 56% increase on the previous year. There was a significant increase in scholarship students from Saudi Arabia doing long-term GEAP programs prior to entry into the University. The Centre attracted students from 8 new countries: Brazil, Cambodia, Iraq, Jordan, Kazakhstan, Kuwait, Spain and Venezuela. The Centre also experienced significant growth in tailored English Language and TESOL Methodology programs for teachers from countries such as Korea, China and Thailand.



Offshore Enrolments

The University teaches in both Singapore and Hong Kong. Both these locations saw significant developments during the year.

In Singapore, the University offers several postgraduate programs through the Ngee Ann-Adelaide Education Centre, a joint venture with the Ngee Ann Kongsi. There were 499 students enrolled there in 2007. Both parties reviewed the operations of the Centre and agreed that the Centre should aim to achieve a significant increase in enrolments by expanding the number of degree programs offered there, making it a regional centre of excellence in postgraduate and professional education, re-branding the Centre as a University campus with its own academic director or dean, and having some full-time and part-time academic staff based on this campus in Singapore. The position of Academic Director for the University of Adelaide campus in Singapore is to be created. The Ngee Ann Centre will be the University's second biggest campus in student numbers, after North Terrace.

In Hong Kong, the University has for the last six years taught its MBA program. During the year the partnership with the University's agent there was wound up, and the University entered into negotiations with a new partner, Lingnan University, to undertake the marketing, recruitment and local administration of the program in future.

The University's commerce degree is offered offshore under a twinning arrangement with INTI University College Malaysia. The development of the Malaysian higher education system has reduced the demand for such programs, so the future of this relationship is under review.

International Agreements and Links

Two measures were introduced during 2007 to enhance oversight of international agreements. All new international agreements require the endorsement of the Internationalisation Strategy Committee at the concept stage, prior to detailed negotiation of the agreement. This process enables a strategic consideration of all such proposals, with input from different parts of the University. Secondly, a review of the status of all international agreements was undertaken, stemming from which a new online database for managing these agreements was developed. This database will become operational during 2008.

During the year, 67 international agreements were signed by the University, with a total of 53 institutions. Ten of these were renewals of existing agreements. The most common types of agreements signed were MOUs and Student Exchange Agreements. The others were research agreements, articulation agreements, sponsored student agreements, letters of intent, and a range of individual agreements.

The countries most strongly represented among the new agreements were China (agreements with 10 institutions), Germany (4), Malaysia (4), the UK (4), France (3) and Japan (3). There were two institutions each from India, Indonesia, the Netherlands, Thailand, USA and Vietnam. Other countries involved, each with a single institution, were Belgium, Canada, the Czech Republic, Greece, Italy, Kazakhstan, Korea, Norway, Pakistan, Peru, Singapore, Spain and Taiwan. This was a broader geographical spread than the previous year (56% with Asian countries, compared to 79% the year before), reflecting the diversification of markets

policy adopted by the University in managing its risk in international enrolments.

The more significant international agreements signed by the University during 2007 included:

China Scholarship Council (China) – Agreement for sponsored PhD students and early career postdoctoral research scholars. This will play a major role in the University meeting its higher degree by research growth targets, and will help build long-term research links with China.

Cranfield University (UK) – MOU. This sets the framework for collaboration in the provision of courses and research in defence and security. Initial proposals for collaborative work include professional short courses and new postgraduate courses. The University will help boost skills and capabilities in the South Australian defence industries through this strategic alliance with Cranfield, which has recently established a branch in Adelaide.

JSC Center for International Programs (Kazakhstan) – sponsored students agreement. This marks the opening of a new source country for international students, with the Kazakh Government sponsoring students to the University.

Petrovietnam (Vietnam) – sponsored students agreement. This opens another source of students from one of the most important emerging markets for the University.

Research Centre for Eco-Environmental Sciences, Chinese Academy of Sciences (China) – letter of intent. The two parties, in conjunction with CSIRO and SA Water, proposed to establish the China-

Australia Environmental Science and Technology Institute with a view to bringing together complementary research groups from China and Australia to solve major environmental challenges facing both countries, and other countries in the Asia-Pacific region.

Shandong University (China) – agreement for the Confucius Institute to be established at the University. Shandong University agreed to provide assistance with curriculum development and teaching staff, to assist the University in its negotiations with Hanban and with obtaining any Chinese Government approvals or assistance needed for the activities of the Institute, and to invite the Institute Director to meetings of its international network of Confucius Institutes.

During 2007, extensive overseas missions were undertaken by the Pro Vice-Chancellor (International), the Manager (China Projects), staff in the International Office, and the Associate Deans (International) of the Faculties. These missions were for marketing and student recruitment, and to develop and strengthen links with partner institutions.

In turn, the University hosted numerous visits by delegations from overseas countries. Delegations included Presidents/Vice-Presidents from universities in China, India, Indonesia, Malaysia and Taiwan as well as Ambassadorial visitors from countries such as Spain and Turkey, and from scholarship sponsoring bodies in Kazakhstan, Kuwait, Malaysia, Oman, Saudi Arabia, Thailand, UAE, UK and Vietnam.

International Research Collaborations

Evidence collected by the Faculty of Health Sciences Research Secretariat shows that, between 2001 and 2007, staff in that Faculty have had research collaborations with colleagues from 172 institutions in 30 different countries. For many institutions, several collaborative research projects were recorded. The leading countries for institutional research collaborations with Health Sciences in this period were: USA (58), UK (38), Japan (9), Canada (8), New Zealand (7+), and China (7).

Academic staff in other Faculties also have extensive links with research colleagues in other institutions around the world. For example, the University recently signed an MOU with the University of Nottingham for research and teaching collaboration in fields of engineering such as mining, energy, clean water technologies, and carbon dioxide mitigation. A Nottingham University professor has been appointed as a Visiting Professor in the School of Civil and Environmental Engineering (2007–2010).

The University hosted a joint workshop on water resources engineering for researchers from the elite Indian Institutes of Technology and Indian Institute of Science and the Go8 universities in Australia. The aim was to gain a shared understanding of the research being carried out in water resources engineering in India and Australia, to identify common areas of research interest, and to develop draft research proposals that can be submitted for extending funding from such sources as the \$20 million Australia-India Strategic Research Fund.

The University's Schools of Education and Mathematical Sciences held a very well attended Joint Seminar on Science and Mathematics Education with the University of Malaya, one of four research-intensive universities identified by the Ministry of Higher Education in Malaysia.



Adelaide Students Studying Overseas

In 2007, 173 University of Adelaide undergraduate students spent part of their degree overseas, an increase of 30% on the previous year. 110 of these students took advantage of OS-HELP loans offered through DEST, which was a higher proportion than the previous year. 33 of these students received externally funded student exchange scholarships from the Cheung Kong, Endeavour and University Mobility in the Asia-Pacific (UMAP) Awards. The scholarships were to study in Canada, Chile, China, Greece, Hong Kong, Japan, Norway, Thailand, and the USA. Each scholarship awardee received \$4,500–\$5,500 to subsidise their costs. The University received 33% of the Endeavour Greece Student Exchange awards, and also received Endeavour Exchange and UMAP funding for 18 students from five overseas countries to study at the university.

During the year the University increased the number of student exchange agreements signed with quality universities overseas, adding universities in the Czech Republic, France, Germany, Greece, Italy, the Netherlands, Norway, Spain, the UK and the USA. It also held a student exchange fair on campus to encourage Adelaide students to consider overseas study and to discuss this with representatives of the exchange partner institutions. 500–600 students visited the Student Exchange Fair, meeting representatives from 12 partner institutions in Europe, Asia and North America and from 3 overseas organisations. The level of student interest was greater than in previous years.

The Pro Vice-Chancellor (International), at the invitation of the Chinese Embassy in Canberra, led a group of 49 Australian university students (including 7 from the University of Adelaide) on a China study tour hosted by the All-China Youth Federation.

World University Rankings

The year saw a significant improvement in the University's international ranking on both of the major international university rankings:

The University was ranked 62nd in the world (compared to 102nd the previous year) and 7th in Australia by the THES–QS World University Rankings for 2007.

The University was ranked in the top 151–202 universities worldwide (compared to the top 201–300 for the previous year) in the 2007 Academic Ranking of World Universities released by the Institute of Higher Education, Shanghai Jiao Tong University. This ranking is based largely on research performance. The University was equal 6th among Australian universities (in the top 7–9 the previous year). Universities bracketed with the University of Adelaide included Tsinghua University (the top-ranked university in China), Seoul National University (top-ranked in South Korea), the University of Barcelona (top-ranked in Spain), and the University of Buenos Aires (top-ranked in Argentina).



Internationalisation of the Campus

The Academic Board amended one of the attributes associated with graduates of this University to add an international dimension as an expectation for all graduates. It now reads: "An awareness of ethical, social and cultural issues *within a global context* and their importance in the exercise of professional skills and responsibilities." [changes in italics] The internationalisation of teaching was the subject of a presentation to the Academic Board.

The University's Cultural Awareness Program of 3-hour modules was attended by 76 professional and academic staff. In addition, a total of 98 staff participated in specially tailored Cultural Awareness modules that were provided for staff in Human Resources, the Barr Smith Library, the Prospective Students Office and Bradford College, making a total of 174 staff participating in the program during 2007.

Internationalisation of the curriculum is an integral part of the twice-yearly "Teaching at University" course, and the first course of the Graduate Certificate in Education (Higher Education), provided for academics by the Centre for Learning and Professional Development. In particular, one of the eight 3-hour sessions is focused on Curriculum for Student Diversity and Graduate Attributes. The total number of participants in this course during 2007 was 49.

The University's Chinese language students did exceptionally well at the annual Chinese proficiency competition for university students in Australia, winning 1st and 5th overall, 1st and equal 3rd on the written test, and 1st on the public speech.

Management of the University's International Activities

The Internationalisation Committee met five times during the year. Policy issues it considered included English language requirements and English language support for international students, career development for international students, the University's internationalisation plan 2007–2009, the first draft of the new Strategic Plan for the University 2008–2012, and interaction between local and international students.

The international marketing roundtable met four times to exchange information related to particular markets. Markets covered in these roundtable meetings in 2007 were AusAID scholarships, the Middle East, study abroad students, and Thailand.

These two bodies, plus the weekly international activities email bulletin, have led to significant information sharing and coordination of the University's international activities.

The International Compliance Steering Committee met several times to ensure that the University is fully compliant with national codes governing international education: the ESOS National Code of Practice and the AVCC Provision of Education to International Students: Code of Practice and Guidelines for Australian Universities.



Quality Assurance

The University is committed to offering high quality education and services to international students, and to the monitoring of this quality. Several steps were undertaken during the year to strengthen this:

- The University benchmarks its performance as an institution with other Go8 universities in Australia, and is now seeking to do the same with comparable universities overseas. A strategy for international benchmarking is therefore being developed. In parallel with this, specific disciplines within the University seek to achieve international recognition for the quality of their research and teaching programs as well. One example is the application by the Schools of Business and Economics for international accreditation by the US-based Association to Advance Collegiate Schools of Business (AACSB).
- A statistical analysis was undertaken of the academic results of international students admitted to the University via different pathways. The results of this are preliminary, and are being fed into review of these pathways
- The Faculty of Sciences undertook a comparison of the performance of international students compared to domestic students for 2004–2006. It found that a greater percentage of international students than domestic students gained High Distinctions, Distinctions and Credits. Similarly, fewer International students failed or were given a conceded pass.
- The International Student Centre completed a longitudinal 2004–2007 study looking at the academic outcomes for international students who entered this University after high school in Australia. It found that they had far lower pass and graduation rates than our other international students. The significance of these findings is under consideration.

Student Support Services

The International Student Centre (ISC) remains the first point of contact for international students studying on campuses in Adelaide. In 2007, the ISC managed 17 separate intakes providing a wide range of on-arrival services, including airport reception, temporary accommodation, and orientation workshops and presentations. The Peer Mentor Program continued in 2007. Feedback received from students indicated that students were seeking increased opportunities to come together. To this end the ISC increased outreach visits to Waite and Roseworthy campuses to fortnightly and monthly respectively. The meetings were conducted over morning tea with significant numbers of students regularly attending on both campuses. The ISC continued with its regular Friday morning program on the North Terrace campus throughout 2007.

January saw the return of the full suite of AusAID-funded scholarship holders to the University, building on the introduction of the Australian Partnership Scheme (APS) in 2006. The Commonwealth Government launched a new scholarship scheme in 2007, the Australian Leadership Awards and this, along with the long-standing Australian Development Scholarships (ADS) and ACIAR scholarships, saw the number of scholarship holders grow significantly in 2007. The number of commencing students under the four AusAID scholarship programs increased from 12 in 2006 to 61 in 2007.

Staff from the International Office, Student Finance, the Office of the Pro-Vice Chancellor (International) and ISC met to review processes and procedures currently undertaken in the management of sponsored students. A number of changes were introduced to streamline processes including financial management practices that saw the more timely payment of tuition fees. This group will continue to meet on a regular basis to address arising issues in relation to sponsored students.

The University took proactive measures to ensure compliance with the new National Code of Practice for Registration Authorities and Providers of Education and Training to Overseas Students, which came into force on 1 July. The National Code specifies 15 standards that the University must comply with to meet its legal obligations.

In response to its compliance obligations the University:

- introduced an ESOS website for staff and students;
- undertook a thorough check on its compliance with the Code;
- gave staff presentations on the Code;
- emailed all international students about the new National Code and what this means for their future enrolment plans;

- implemented an academic intervention strategy for students at risk of not making satisfactory academic progress; and
- decided to discontinue accepting onshore international students aged under 18 years unless accompanied by a parent or guardian (due to the onerous requirements of the new Code).

DEST conducted an audit of the University's compliance with the new National Code in September 2007 and advised the University of its satisfaction with the documentation supplied and the fact that the University "has been taking active steps to ensure its compliance with the requirements of the ESOS Act and the National Code".

The University accommodation offerings through The Village, Citi Townhouses and Mattanya were well patronised by international students, with occupancy rates above projected forecasts for 2007.

The University introduced careers advice services designed specifically for international students. An international careers adviser was appointed. Strategies were developed for raising the profile of the University amongst employers overseas. An International Careers Evening was held, focusing mostly on employment in home countries (China, Malaysia, Singapore, and generic information), plus talks on working in South Australia. Speakers included representatives from the Chinese Embassy in Canberra, the Australia Singapore Business Council, KPMG, the SA Department of Trade and Economic Development and the Commonwealth Department of Immigration and Citizenship.

A working party reported on ways to promote interaction between local and international students at the University, both within programs and courses offered by the University, and in the campus life of the University generally. Academic Board endorsed six principles concerning mixing of international and local students within the University, and recommended to the Vice-Chancellor that measures be introduced to give effect to them. The November meeting of University Council received a report on the issue.

The Centre for Learning and Professional Development continued to run a volunteer support scheme for international students, based around conversation development. Its coordinator was awarded the silver medal at a UNESCO engineering education conference in Bangkok, for a paper on the program and associated learning and personal issues.



The Overseas Students Association

The Overseas Students Association (OSA), as the representative of all international students on campus, has representation on many committees within the Adelaide University Union and the University of Adelaide. In these meetings the OSA acts as the voice of international students. The President of the OSA served on the University's Internationalisation Committee and brought international student concerns to the attention of the General Manager, Student Services. Two members of the OSA council represented the OSA at the annual conference of the National Liaison Committee for International Students, the peak representative body for international students in Australia.

The OSA took the lead in encouraging increased interaction between international and Australian students.

The OSA organised the annual International Impressions night with University of South Australia international students. The OSA continued to provide a range of services for international students. A record number of new international students took part in OSA orientation activities, which included a free BBQ for new international students.

International Alumni

A new position of Alumni Relations Officer (International and Benefits) was created within Development and Alumni, as a result of the Alumni Relations Strategic Plan 2007–2011. This role will support the current international alumni program and develop a more strategic approach to international alumni relations, including the development of an International Alumni Relations Plan. The University now has seven international alumni networks located in Kuala Lumpur, Sarawak, Singapore, Hong Kong, the United Kingdom, USA (New York) and Thailand.



Community Engagement

The University of Adelaide undertakes a comprehensive range of community engagement and outreach activities, which both involve and benefit people and organisations outside of the University community, locally, nationally and internationally. Many of these activities arise directly from the University's core academic business of Learning and Teaching and Research and Research Training, and are referred to elsewhere in this report. They include service by staff to industry, professional, government and cultural bodies, and participation across all areas in major research and teaching partnerships and projects with government, education and industry sectors.



Art & Heritage Collections 2007

Art & Heritage Collections are entrusted with the preservation and promotion of the art and cultural heritage of the University and through collections, projects and activities to interpret its academic disciplines to the broader community.

In 2007 Art & Heritage Collections continued with the cataloguing of collections, completing the Sports Associations Collection and the Scientific Instruments Collection. Both of these collections still require research on individual objects but the first steps towards comprehensive listing have been taken. The secure art store was fully equipped with additional sliding racks allowing for the safe housing of works of art and other collection items while not on display.

Art & Heritage Collections hosted 34 events during 2007, including exhibitions, discussion forums, lectures, artists in residence events and tours of the North Terrace public artworks. These activities attracted some 2,900 people and facilitated conversation and understanding between the community and the University.

The unveiling of *Reconciliation Touchstone*, a sculpture by Karen Casey and Darryl Cowie, signifying the reconciliation commitment by the University, was a particularly significant event attracting approximately 500 students, staff and community members.

In support of the newly established Confucius Institute at the University of Adelaide, Art & Heritage Collections hosted three events with Chinese cultural content, including an exhibition by artist in residence Mr Wu Changming, whose painting demonstrations attracted a wide audience.

A key aspect of Art & Heritage Collections work is facilitating collaboration and interconnection between cultural practitioners and University academic disciplines. This is evident in the diversity of programs and quality of collection research that is being undertaken. Art & Heritage, for example, catalogued artefacts in the Physics Museum in preparation for an exhibition on Sir William and Sir Lawrence Bragg. This was opened in October 2007 by the Duke of Kent, who also unveiled a bust of Sir Lawrence Bragg by the renowned UK artist John Mills in the School of Chemistry and Physics.

Art & Heritage Collections participate in State-wide community activities such as History Week, the South Australian Living Artists Festival and Reconciliation Week. Participation in such events further promotes the University and its contribution to South Australian art and culture.

Director, Community Engagement

In mid-2007, the University of Adelaide appointed Mr Martyn Evans to the position of Director, Community Engagement. Mr Evans has a Science degree from the University of Adelaide and has held Parliamentary Committee, State Ministerial and Federal Shadow Ministerial positions in both the Health, Science and Resources and Information Technology portfolios. He also has considerable experience in local government, serving as Mayor of the Elizabeth City Council, and was a member of the University Council from 1974 to 1992.

As Director, Mr Evans works closely with members of the University to develop, maintain and enhance the University's relationships with government, business and the broader community. During the year he worked on a number of projects such as the Veterinary School at Roseworthy, the Health Science Precinct, the Climate Change Adaptation Centre proposal and other areas of interaction with State and Commonwealth Government. Mr Evans has also had numerous meetings with senior Government and Opposition Members of Parliament in Adelaide and Canberra in order to strengthen the personal relationship between the University of Adelaide and the Parliament at all levels.

To support the new Director, Mr Joe Bennink was appointed as Manager, Entrepreneurial Programs and Community Relations. With considerable experience in State Government administration and business liaison, Mr Bennink manages the Office of Industry Liaison at Thebarton, Urrbrae House Precinct and Waite Arboretum.

Development and Alumni

Strategic Directions – a new way forward for Alumni Relations

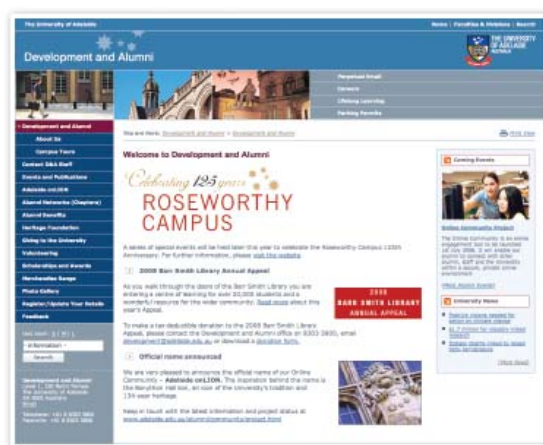
In July 2007, the Vice-Chancellor and President announced the Alumni Relations Strategic Plan for 2007–2011. This Plan was created as a result of a 2006 review that highlighted the importance of positioning alumni relations as a core function of the University, and recommended the development of a University-wide Alumni Relations Program, more integrated into the life and fabric of the University. The recommendations led to the dissolution of the Alumni Association in December 2006 in preference for a more integrated and supported alumni relations model.

The major elements in the Strategic Plan that will contribute most significantly to the advancement of alumni relations at the University of Adelaide are:

- substantive support to the faculties and schools in developing their own alumni program;
- broadening the alumni program through an Online Community and Membership Program;
- establishment of Alumni Forums to build stronger and more effective Alumni Networks;
- creation of a funding program to support specific Alumni Network and Volunteer initiatives;
- greater focus on the student experience and their role in the University's alumni program;
- establishment of an Alumni Advisory Committee to provide strategic feedback and advice to the University.

The Alumni Advisory Committee, chaired by the Vice-Chancellor, was established in the second half of 2007 and held its inaugural meeting on 24 October.

At the basis of the Strategic Plan is a strong commitment to enhance opportunities for alumni, the wider community and the University. The success of the Strategic Plan relies on building a culture that embraces this principle of mutual value, considering the common goals and benefits for both alumni and the University.



Communication

The University's bi-annual magazine *Lumen* showcases the achievements of the University, its staff, students and alumni through stories that are of interest to alumni, government and industry. Each issue of *Lumen* highlights the latest research and educational strengths of the University and provides a forum for sharing the achievements of alumni with over 50,000 readers around the world.

The Alumni website provides a portal for alumni to access the latest information about events, giving to the University, networks, volunteering, merchandising and more. Significant funding was awarded in September 2007 to the Development and Alumni office to upgrade the alumni website and existing alumni database to an Online Community which will enable alumni to connect with other alumni, staff and the University within a secure, private online environment. It is anticipated that this new online format will be launched in July 2008.

The University's alumni e-newsletter, *Adelaide-link*, continues to grow its readership, with over 6700 subscribers now receiving the latest University alumni news directly to their inbox six times a year. Perpetual email was also offered again to new graduates of 2007, with over 6500 alumni now using this service to stay connected with the University and each other.

Events

On 27 November the University entertained around 300 guests at its annual Thank You event, held in Bonython Hall. This celebration, "Gratitude with Attitude", was the third annual event held to recognise and thank alumni, friends, industry partners and other supporters of the University.

On 19 October the University welcomed back 97 graduates from the class of 1957 to celebrate their Golden Jubilee. Alumni came from all over Australia and as far afield as the USA, Canada, Malaysia, the United Kingdom and New Zealand. Alumni relived their graduation with a commemoration ceremony in Bonython Hall – complete with academic dress – and enjoyed a luncheon, faculty tours and the opportunity to reconnect with people and places from their university days. Bishop Dr Ian George AO, who received a Bachelor of Laws from the University of Adelaide in 1957, delivered the Golden Jubilee Address.

The University of Adelaide's student-run publication *ON DIT* celebrated its 75th Anniversary with a reunion dinner held at the National Wine Centre. Former and current editors, sub-editors and contributors came together to mark this significant milestone. Former *ON DIT* Editor and current Sydney Daily Telegraph Editor, David Penberthy, was guest speaker at the event.

There were numerous national and international events held during 2007, including dinners in Adelaide, Canberra and Singapore in support of the Geoff Harcourt Visiting Professorship Endowment Fund. Other events in Malaysia, Singapore and Hong Kong were attended by visiting University staff, including several senior managers.

Heritage

One of the greatest architects in the Asia-Pacific, Hijjas Kasturi, visited Adelaide at the invitation of the University of Adelaide's Heritage Foundation. His visit helped to raise awareness of the distinctiveness of Adelaide's heritage buildings, including the number and state of the heritage buildings at the University of Adelaide. While in Adelaide, Mr Kasturi also gave seminars to University of Adelaide architecture students and used his years of experience to provide feedback on their work. Born in Singapore, Mr Kasturi represents the unique impact of Australian tertiary education on students from Singapore and Malaysia in the 1950s and 1960s – students who have gone on to become leaders in their fields in their home countries and right around the world.

Annual Appeals

The University's Fundraising and Development programs continue to be supported with generous donations made to the Barr Smith Library and the Vice-Chancellor's Scholarship direct mail appeals by University alumni and friends.

The 2007 Barr Smith Library Appeal allowed the acquisition of just over 1000 titles, broadening the current affairs and cultural studies collection in particular.

The Vice Chancellor's Scholarship Appeal was substantially enhanced in 2007 by a donation from one alumnus who wished to pass on the benefit of his University education to support current students. Support for this appeal is confirmation that the University's education programs not only encourage current students, but have a broad impact on the community for future generations.

Bequests

Each year, the University benefits from those generous alumni who make a contribution to the University through a bequest in their Will. In making a bequest to the University of Adelaide, donors join the proud tradition of giving, which commenced over a century ago with the University's philanthropic founders, Sir Thomas Elder and Sir Walter Watson Hughes.

This year brought two very important contributions though bequests to the Barr Smith Library from Joanna Erlistoun Simpson and Kirsten Lillemore Andersen, whose estate also provided funding for the Elder Conservatorium.

Scholarships

The University provides a comprehensive program of scholarships for undergraduate and postgraduate students across University programs, degrees and faculties and in 2007 the University was the recipient of the Order of Australia Association Foundation 2007 Scholarship for a student in the second year of the Commerce degree program. The Governor-General signed the presentation certificate for recipient Glenn Smith. The scholarship was generously funded by Ross Adler AC, Deputy-Chancellor of the University and Foundation Board member.

Scholarships assist in attracting and encouraging worthy students to the University. Many prominent alumni have benefited from support during their studies from the generosity of private individuals and the corporate sector. Again in 2007, the scholarship program recognised and encouraged academic excellence, helping young people to realise their potential.

Networks

The University has 20 alumni networks. Eleven are based in Adelaide, two interstate in Sydney and Melbourne, and seven overseas including West Malaysia, Sarawak, Singapore, Hong Kong, United Kingdom, USA and Thailand. Network committees, comprising graduates, staff and students, volunteer their time, skills and knowledge to offer numerous opportunities for alumni to reconnect with the University and its alumni community.

2007 Awards

Mutual Community Postgraduate Travel Grants (First Round)

Health Science Specific

Ms Emily Steele (Public Health)

University-wide

Mrs Xiaoxia (Sunny) Yin (Electrical and Electronic Engineering)

Mutual Community Postgraduate Travel Grants (Second Round)

Ms Joanne Dollard (General Practice)

Mr Martin Sale (Physiology)

AUGU/RC Heddle Award

Miss Siobhan Schabrun (Physiology)

Honours Alumni University Medal

Mr James Daniell (Civil and Environmental Engineering)

Postgraduate Alumni University Medallist

Dr John Hedditch (Faculty of Sciences)

Distinguished Alumni Award

Ms Beryl Kimber OBE, in recognition of her sustained and distinguished service to the Performing Arts, both nationally and internationally, as one of Australia's leading violinists and pedagogues; together with her continued contact with, and support of, the Elder Conservatorium of the University of Adelaide over many years.

Mr Clemens Leske AM, in recognition of his sustained and outstanding service to the Elder Conservatorium of the University of Adelaide over many years, as well as his distinguished national and international profile as a pianist.

Tours

The University of Adelaide offers tours at its four campuses, as well as the National Wine Centre. The tours are conducted by experienced guides, some of whom are graduates of the University. Throughout 2007, tours were taken up by the general public, community groups, international visitors to the University, and current staff members. The program has been extended to include tours for prospective staff and is arranged through the Development and Alumni office by Human Resources as part of the interview process. The guides also participated in History Week 2007 and SALA Festival 2007.

Elder Conservatorium of Music

Elder Hall Lunch Hour Concerts

2007 proved again that the Friday Lunch Hours at Elder Hall is one of Adelaide's most popular and prestigious series of concerts. Presented each Friday during semester, the series features not only staff and students of the Elder Conservatorium of Music but also visiting national and international guest artists of the highest calibre. This, plus the rich variety of genres performed, including baroque to 21st century, symphonic to jazz, chamber music and vocal, helps to ensure the great following the series enjoys. The series also continues to break down barriers between the University and the wider community.

Approximately 14,700 tickets were sold to 32 concerts in 2007, giving an average attendance of over 450 at each concert.

Allans Music generously sponsored two events in 2007 – the "Allans Steinway Event" on November 2 with pianist Marija Bajalica, and the "Allans Classical Music Awards". This is held every second year, with \$2400 in prize money being awarded through competition to an undergraduate classical music student. The 2007 award went to cellist, Louise McKay.

The success of this series is also due to the financial support provided by the Doris West Bequest.

Evening Concerts

This series is the showcase of the Elder Conservatorium of Music's students and student ensembles and provides a very important opportunity for the students to perform in public.

The 2007 Series included five concerts plus the Jazz Award evening. Ensembles that performed were the Elder Conservatorium's Symphony Orchestra, Chorale, Wind Orchestra, Big Band and Jazz Ensemble, and all concerts in the series attracted excellent audiences.

The Evening Concert series was generously supported in 2007 by Helpmann Academy, ETSA Utilities, Phil Hoffmann Travel, Sunlover Holidays, Palazzo Versace, Wirra Wirra, Coopers and Radio Adelaide.

Open Day 2007

Open Day in August attracted around 12,000 people to the North Terrace campus. A variety of activities ran for the whole day, from information talks and faculty displays to the Battle of the Bands competition and a diverse range of art and cultural events. The Bonython Hall Expo and Faculty displays were particularly popular. New initiatives included a Festival of Short Films and the Research Tuesday on Sunday Public Lecture. Market research conducted on the day returned very positive responses and feedback.



Professional and Continuing Education (PCE)

Professional and Continuing Education (PCE) plays an important role in linking the University with the local, national and international community. In 2007, over 5000 students studied with PCE in education programs ranging from short community and professional development courses, certificate courses, study tours and preparation programs.

PCE offers its programs through three business streams: Community Programs, Professional Education and the English Language Centre (ELC). All programs are developed in consultation with the community, business and the University and are presented by the highest quality teachers and presenters.

PCE's Professional Development Programs enrolled 1075 people in public courses throughout 2007, and delivered over 60 tailored training solutions to another 850 participants. Tailored training was developed and delivered for local, national and international corporate clients in both the public and private sector.

In 2007, 1051 students studied in PCE's Year 12 Holiday Revision Program, an increase of 17% compared to 2006. The program offers subject preparation and study skills courses designed to assist Year 11 and 12 students achieve their full academic potential and prepare for future tertiary study. The program runs during school holidays throughout the year, supporting University recruitment efforts by raising awareness of the University throughout secondary schools.

While the nation is seeing a downturn in the study of foreign languages, PCE's community language program continued to thrive. The combination of Summer School, Full Year and Short Courses

attracted over 1000 learners across a selection of 10 languages in over 40 classes. The most popular languages in 2007 were Chinese, Italian and Spanish.

PCE welcomed 21 international Study Tour groups in 2007. Over 380 students from China, Japan and Korea, came to the University for between two and twelve weeks and studied programs developed to meet specific educational needs in subject areas including English, Australian culture and TESOL Methodology.

The Pre-Enrolment English Program (PEP) attracted over 440 students during 2007. For students who successfully complete this program it provides a direct entry pathway to undergraduate and postgraduate programs at the University of Adelaide.

General English for Academic Purposes (GEAP) attracted over 90 students from 13 different countries. PCE's Certificate IV in TESOL, was once again extremely popular with two 4-week intensive courses filling. An additional course was introduced in part-time delivery mode. This course also reached maximum numbers and attracted a high calibre of domestic and international students, many who already had postgraduate qualifications.

PCE introduced a new course, English for Professionals, which proved to be extremely successful. The part time intensive course is suitable for people who have advanced level proficiency in English (equivalence IELTS 6). The course further develops English language proficiency and focuses on the skills and strategies required to advance in an Australian professional career.

Radio Adelaide

Continuously supported by the University of Adelaide since the station first began 35 years ago, Radio Adelaide is an outstanding example of the positive role a University can play as part of the broader community, extending access to its cultural and intellectual resources and acting as an educator in the broadest sense.

Radio Adelaide gives the University of Adelaide valuable exposure to local, national and international audiences. Each week over 80,000 people locally listen to Radio Adelaide's innovative and diverse programs. Participation in the station – as a listener, volunteer or subscriber, or a combination of all three – is a powerful opportunity for civic engagement, community development and social action.

With over 500 volunteers aged between 16 and 85 years, Radio Adelaide has the largest volunteer body within the University. Over 30 languages are spoken by its volunteers, making it also the most diverse. The support Radio Adelaide receives from the broader community is evident in its subscriber base. In 2007, Radio Adelaide's subscriber numbers increased by around 60%, building on a similar increase in 2006.

The year saw some dramatic changes in the progress of Digital Radio – a new transmission technology that has been in the wings for over 15 years. The University, through its community radio license, is one of only 40 community radio stations nationally with an opportunity to gain a second Digital broadcasting service. Negotiations about costs and liabilities have been extensive throughout 2007 and will continue in 2008, with the scheduled turn on date for Digital Radio being January 2009.

Radio Adelaide continues to actively seek new means to reach and expand its audiences. The station is now more of a multi-media service provider than a sole radio broadcaster. Significant income has been gained throughout the year from production services for recording, podcasting, equipment and studio hire, audio conversions, mastering, editing, telephone hold messaging and duplications. Regular clients include the Barr Smith Library, State Library of SA, the Elder Conservatorium, the Hawke Centre of SA, the Don Dunstan Foundation and the Adelaide Festival.

Throughout the year over 200 partnerships were formed with local and national community organisations, including African Communities Council, Women's Health Statewide, Let's Get Equal Campaign, OXFAM, Aboriginal Legal Rights Service and Arts Access SA. Other partnerships are formed as an educational tool to present innovative ideas.

The recording of the Adelaide Festival of Ideas is an exemplary model. Radio Adelaide has been a significant partner for the last three Festivals, through promotion, recording all sessions, editing for broadcast and podcast, creation of CD and audio streaming copies for the State Library of SA archives and CD sales through the station. This three-way partnership between the Festival, State Library of SA and Radio Adelaide aims for the ideas and discussions in the festival to have an ongoing community impact.

Training continues to be one of Radio Adelaide's strengths and key priorities. As the station is a Registered Training Organisation, formal qualifications in broadcasting can be obtained at a subsidised rate to ensure accessibility for all. Mentoring programs are in place for culturally and linguistically diverse youth and peer education is constantly occurring in informal ways as people seek help from others – often across genres, ages and cultures.

A special 12-month training project, Schools On Air, funded by the Community Broadcasting Foundation, extended support to secondary schools and stations around the state. In Roxby Downs, students organised a review of the station's OH&S systems; in Kingscote they brought in community groups for regular updates; in Bordertown they produced a series of spots funded by the local Drug and Alcohol Services Council; and seven students in Victor Harbour gained formal radio qualifications.

The Bachelor of Media is a recent addition to the University's course offerings, with Radio Adelaide teaching a number of course components. Second year students learn a mix of practical and theoretical skills in Radio Production and Broadcasting while third year students host their own program, *MediaRites*, bringing the content of their course to a broader audience while developing their practical skills in presentation, panel operation, interviewing, editing, and scripting.

In 2007, special programs included *Pollywaffle*, a pre-election special over 12 weeks which featured a different SA federal electorate per week and interviewed lead candidates; *Songs in the Blood*, a play drawing directly on the experiences of HIV positive women who are part of the Positive Women's Project at Women's Health Statewide; and *5 Tables for 5*, an innovative series discussing issues around ageing in the gay, lesbian and queer communities. Over 20 volunteers from diverse backgrounds participated in *The Circus*, a 43-part radio serial. Other community events covered by the station include: Active Ageing Week, Refugee Week, International Women's Day, Blak Nite and the State Volunteers Congress.



Awards received include:

- 2007 CBAA Award for Best Special Event Broadcast – 2007 Festival of Ideas on Air. Producers, Deborah Welch & Darren Van Schaik
- 2007 CBAA Award for Best News and Current Affairs Programming – The Wire. Producers, Radio Adelaide, 4EB & 2SER
- 2007 CBAA Award for Best Innovative New Program/Segment Idea – Highly commended for 5 Tables for 5: Conversations Around Queer Ageing. Producer, Logan Bold
- 2007 Australian Civic Trust Award – People's Choice, Human Category.
- 2007 Australian Institute of Criminology's Australian Crime and Violence Prevention Awards. Certificate of Merit for But What Can I Do? – Crime Prevention Myths, Facts, Tips and Traps. Producer, Angelina Edwards.
- 2007 NEMBC Youth Broadcasting Awards: Multicultural/Ethnic Youth Program of the Year for Neo Voices.
- 2007 OPSO (Older People Speak Out) Media Awards. Runner up, Media Category for 5 Tables for 5: Conversations around Queer Ageing. Producer, Logan Bold.
- 2007 SACBA Bilby Award – Best Station Interview, for Reflections on the Trevor Case. Producer, Annie Hastwell.
- 2007 SACBA Bilby Award – 'Can't get out of the car' Award for The Family Room. Producer, Clemmie Wetherall.
- 2007 SACBA Bilby Award – Best Station ID for Shaun Micallef ID. Producer, David Green.
- 2007 GALA Award - Adelaide GLBTIQ Community Awards. Media Award – Logan Bold.

Research Tuesdays

The Research Tuesdays public lecture series, run on the second Tuesday of each month, was introduced in April 2007 as a means of increasing the University of Adelaide's research profile within South Australia. Since its introduction the series has consistently attracted large audiences from private business, government as well as members of the public.

These series featured key academics and researchers from around the University talking about their research area and provided a successful platform for the University to help business, government and the general public become better informed about the diversity of its research and its impact on their lives.



Thebarton Campus

The Thebarton Campus (Adelaide University Research Park) is home to the University's Office of Industry Liaison and hosts a number of University applied research activities in the areas of mechanical engineering, physical sciences, chemical engineering and occupational health.

Commercial enterprises at the Research Park totalled 65 in 2007 and include businesses involved in materials engineering, biotechnology, environmental services, information technology, industrial design, laser/optics technology, health products, engineering services, radar systems and telecommunications. Commercial and industrial tenants at the Park are encouraged to participate with the University in education programs and joint research activities.

In addition to establishing lasting partnerships with industry tenants, the Research Park provides a physical and program base for developing student projects and student skills into new business enterprises as part of the Graduate Entrepreneurial Program. This program, recognised as a leader in enterprise education and incubation, assists graduates with an innovative idea for a product, process or service to commence a business, or links graduates with small to medium companies to develop innovative ideas.

The University has increasingly placed an emphasis on establishing and reinforcing its links with industry. In support of this, the Office of Industry Liaison promotes three industry linked education programs that bring together industry, commerce and University schools and students. They are:

The Graduate Industry Linked Entrepreneurial Scheme, which places a graduate under a company sponsored scholarship to carry out a project activity while studying for an appropriate Masters Degree. The agreement covers a 12-month period and links industry with the University through the activities of the student. It is an ideal way for companies and organisations to gain access to up to date technical knowledge, expertise and innovation.

The Summer Industry Vocational Scheme provides structured workplace experience for a student over a 6-week period during the summer vacation. Students work for approximately 200 hours on an industry research project, and the program is particularly useful to companies and organisations wanting short term resources to complete a specific project.

Project Plus places undergraduate students, supported by an academic supervisor, with a company under a collaborative agreement to carry out a project activity whilst studying in their final year. The program enhances student skills through relevant real-world projects in research and development and profits industry by collaboration in training, expertise transfer, innovation and development.



During 2007 the Office of Industry Liaison continued to administer the delivery of workshops, seminars and one-on-one mentoring for up to 40 small business owners as part of AusIndustry funded "Entrepreneurial Business Growth Development" project. This is an Australian Government funded service under one of the initiatives of "Building Entrepreneurship in Small Business". The \$151,250 provided funding for two years to enhance the University's Graduate Entrepreneurial Program, as well as supporting small businesses located in the Adelaide University Business Incubator and other small businesses in the Thebarton Precinct.

The Western Region Enterprise Day (WRED), coordinated by staff of the University's Office of Industry Liaison, was held on in September at the Parks Community Centre. WRED was started in 1997 as a way to strengthen school and community links between the University and the western region of Adelaide. The day was again a success with approximately 100 primary and 100 secondary students from 17 schools from within the Council areas of Port Adelaide Enfield, Charles Sturt and West Torrens attending. The opening guest speaker was Mr Nick Palousis, a University of Adelaide graduate and 2006 Young South Australian of the Year. Following the official opening, students engaged in activities designed to teach them about business enterprise and entrepreneurship. This experience gives students a better understanding of the value of "thinking big" and "outside the square", and an appreciation of the value of careful consideration of their future career options.



Urrbrae House Historical Precinct

The Urrbrae House Historic Precinct incorporates Urrbrae House, built in 1891 as the Waite family home, its gardens, the internationally renowned Waite Arboretum, and the Coach House, which once housed the first laboratory of the Waite Institute. The Waite Arboretum occupies 30 hectares and contains about 2,200 specimens representing more than 800 species in 200 genera. The Urrbrae House Historic Precinct and Waite Arboretum are listed on the State Heritage List and National Estate.

Conservation and collection management continued to be an important area of work undertaken by Urrbrae House staff. The final work of moving archival documents from downstairs in Urrbrae House to the Coach House compactus was completed, allowing space for a dedicated storage area for items from the Peter Waite collection to be established in Urrbrae House. The Peter Waite collection is almost fully documented with an accession register, book list, object record sheets and database. The Waite scientific collection of objects, photographs and documents is now housed in the two storage areas of the Coach House, and work on the documentation of this collection is continuing.

In 2007 the Urrbrae House Historic Precinct achieved full accreditation as a museum and heritage centre from the History Trust of South Australia. This indicates the high standards developed by the management of the Precinct.

The Waite Historic Precinct saw the retirement of two of its long-serving staff members, Urrbrae House Manager, Yvonne Routledge, and Coordinator, Peggy Rowe. The excellent condition of the Precinct is a great credit to their work, which included the development of an education and community outreach program that now attracts thousands of visitors to the precinct every year; the establishment of an on going fundraising

program through grants, sponsorship and donations and encouragement of volunteers; and formation of the Friends of Urrbrae House. The community links which have been developed have been vital to the continuity of the precinct. New appointments to the positions were made, with Lynette Zeitz as Manager and Amanda Jackson as Coordinator.

A Fire Emergency Plan was completed and implemented for the Waite Arboretum and Waite Conservation Reserve. Fire risk was minimised with extensive slashing and brush-cutting around boundaries and along the fire track and walking trails.

Revegetation was in progress all year using material propagated in 2006–2007, with more seed collected and propagated in 2007 for planting out in 2008. Of the 178 trees in the previously fire affected area, 42 destroyed trees were removed. Of the remainder, many recovered well. 134 new trees were planted elsewhere in the Arboretum including 50 uncommon and rare eucalypts from Western Australia, all propagated from wild collected seed, and 73 saplings in the newly established Dry Rainforest Demonstration Garden. A Revegetation Plan was formulated to inform future seed collection and planting.

The annual living display of historic wheats was established again this year and attracted much interest. Detailed measurements of growth of each variety were undertaken by a volunteer who is a retired scientist with a detailed knowledge of the field.

Friends of the Waite Conservation Reserve conducted working bees throughout the year and propagated material for revegetation projects. About 70 volunteers working in the gardens of the Historic Precinct, Waite Arboretum and Waite Conservation Reserve made a significant contribution to the overall benefit to the University and the community at large.

Volunteer Program

The University of Adelaide Volunteer program, under the patronage of Mrs Lindsay McWha, provides an integral link between the University and the wider community and involves a diverse range of people in a variety of activities

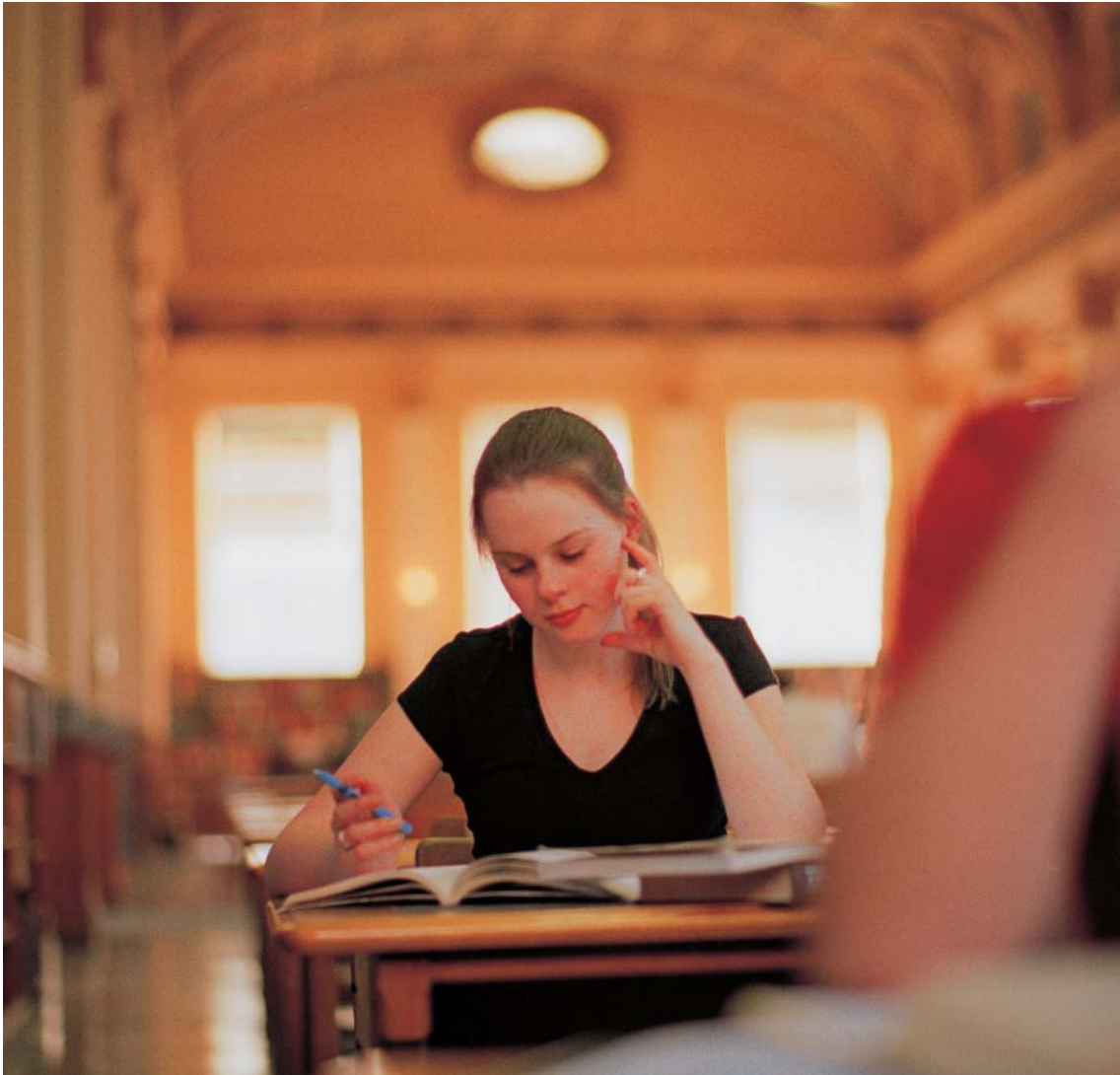
In 2007, the annual Volunteer Recognition event was held on 8 June to coincide with South Australia's Volunteer Day. A morning tea in Bonython Hall was attended by many volunteers across all campuses of the University, together with a large number of Senior Staff and other invited guests. The Keynote Speakers for the event were Mrs Yvonne Routledge, Curator of Urrbrae House, and Ms Peggy Rowe. At year's end some 1666 volunteers were registered, contributing approximately 153,995.5 volunteer hours.



Mrs Lindsay McWha

Among highlights of volunteer program activities in 2007 were:

- The peer mentor program launched a new web site in December 2007. Three students made a significant contribution to the project, which includes information on current mentors and student experience videos. The site was a collaboration between the students, Marketing & Strategic Communications, the School of Humanities, and the International Student Centre. The students submitted an earlier version of the current web site as their final project for the "Multimedia Production A" in the Discipline of Media, Faculty of Humanities and Social Sciences.
- Reverend John Swann joined the University's Human Research Ethics Committee in June 1984, shortly after its inception, and retired from the Committee at the end of 2007, in his twenty-fourth year of service. As a member of this Committee throughout almost its entire history, he has been central to its work in ensuring that high ethical standards are maintained by the research community. The three Convenors of the Committee – Professors Graham Nerlich, Chris Mortensen and Garrett Cullity – have all spoken in the highest terms of Rev. Swann's ethos of voluntary service, the conscientiousness and care with which he has attended to the business of the Committee, and the acuity of his comments on the applications considered over this long period. They also comment with strong appreciation on the reasonableness and public spirit with which Rev. Swann has contributed to the Committee's deliberations on matters of significant ethical controversy.
- The Theatre Guild received the *Advertiser* 2007 Oscars Commendation – jointly awarded to Abby Coleman and Marieka Hambledon for Best Performance by a Female Performer in a Non-Professional Production for their roles as "Cecily" and "Gwendolen" respectively in the May 2007 production of *The Importance of Being Earnest*.
- Mr Wilf Bowen was awarded ROCA Award of Merit for 2007.
- As a partner institution in the Ausstage Project directed from Flinders University, the Barr Smith Library received Australian Research Council funding for 2007–2008 to add University of Adelaide performing arts events and items to the database, and to create and link digital images of items to the database.
- Josephine Sando of the Centre for Learning and Professional Development gave a conference presentation: Communicating with Confidence: The Volunteer Learning Support Scheme for International Students, on behalf of herself and one of the Volunteers, Ron Seidel, at the 10th Annual Conference of the UNESCO International Centre for Engineering Education (UICEE) held in Bangkok in March 2007. For this presentation she won the UICEE Best Paper Silver Award for "the most significant contribution to the field of engineering education".
- Among many other awards, Radio Adelaide was presented with an Australian Civic Trust Award – People's Choice Human Category.



The following areas are currently involved in the Volunteer Program:

- Development and Alumni
- University Archives Volunteer Group
- Barr Smith Library Volunteer Group
- Florey Medical Research Foundation
- International Student Centre – Peer Support Program
- Radio Adelaide
- University of Adelaide Theatre Guild
- Waite Precinct Volunteer Program
- Don Dunstan Foundation
- AFUW-SA Inc Trust Fund Academic Dress Hire Service
- CLPD Volunteer Support Scheme
- PCE English Language Centre
- Western Region Enterprise Day (WRED) – Thebarton Campus
- Research Branch – Research Ethics and Compliance Unit

Property and Infrastructure

The University made significant progress in 2007 on the implementation of the North Terrace Development Strategy, in line with its commitment to “Building Life Impact” – a program of continuous improvement of facilities and infrastructure across all campuses to enhance the University’s learning and teaching environment, strengthen its research capacity, and contribute to its environmental sustainability.

New building on the Mathematics Building site

At its March 2007 meeting, University Council approved the development of a new Engineering Building on the Mathematics Building site, within a budget of \$98.9 million. The state of the art building, designed to achieve a 6-Star Green Rating, will offer the University, and the Faculty of Engineering, Computer and Mathematical Sciences in particular, a major new facility within which to provide an outstanding, world-class learning experience for both Australian and international students. The project received Adelaide City Council Development Act approval and subsequent Development Assessment Commission concurrence on 13 September 2007, and is on schedule for completion in January 2010.

Refurbishment of the 10 Pulteney Street complex

At its February 2007 meeting, University Council approved a project to partially refurbish the 10 Pulteney St complex, within a \$45.5 million funding envelope. Construction began in August 2007 and the project remains on target to be completed prior to the scheduled end date of February 2009. The project will meet the needs of the Faculty of the Professions, providing for co-location of a number of areas of the Faculty, and upgraded facilities for staff and students.

Some Key Projects completed in 2007

Common Teaching Area Upgrades

The University upgraded a number of Common Teaching Areas and Seminar rooms across North Terrace, Waite and Roseworthy Campuses. Total value of the upgrades was \$2 million. The completed projects provide enhanced student experience, DDA compliance, state-of-the-art audio-visual equipment, new finishes and seating, high quality vitreous china white boards, data projectors (single and dual), large screens, DVD players, amplifiers and speakers, and energy-efficient electronic controlled lighting.

Sports Hub

The Sports Hub expansion project in the Union Building complex on North Terrace was a joint venture between the Adelaide University Union, the Sports Association and the University of Adelaide. The completed project has resulted in an expanded facility for increased membership and increased range of member activities.

Executive Accommodation Project – Level 7 Wills and Old Classics Building

This \$1.6 million project co-located a number of executive staff into upgraded accommodation in close proximity to the Mitchell building. The executive offices include the Deputy Vice-Chancellor (Academic), Pro Vice-Chancellor (Learning & Quality), Pro Vice-Chancellor (International), and Director (Policy and Strategy).

Faculty of Sciences – development of new Faculty Office

The new Faculty of Sciences Office on North Terrace campus was completed within a budget of \$1.6 million. The upgraded, centrally-located office provides a one-stop shop for students.

Disability Discrimination Act (DDA)

The University completed a number of projects across all campuses in 2007 to address DDA compliance requirements. These include: new ramp access to the Barr Smith Library and the link to the Faculty of Sciences Office; installation of a number of DDA-compliant toilets; Lift Upgrades; Installation of Hearing Aid Loops; Scott Theatre Wheelchair Access.

Fume Cupboard Upgrade Program

The program to update and upgrade fume cupboards in laboratories across the major campuses to meet current requirements continued in 2007, with \$1.5 million spent.

Security

A number of security-related projects were completed to support the University's safe, secure and welcoming environment and to enhance the student and staff experience. These include: security lighting upgrades; CCTV camera upgrades; Electronic Access Control; and Security alarm systems.

Energy Management and Sustainability Activities

The University is becoming more aware of the cost of energy and its efficient use, in particular electricity and natural gas. An Energy Projects Coordinating Group is overseeing energy projects across the University, which has the following broad targets relating to energy:

- Secure reliable electrical energy supply on the best available commercial terms
- Increase the University's knowledge about its use of energy
- Reduce the per capita use of energy
- Increase the efficiency with which electrical energy is used
- Minimise transmission costs
- Ensure regulatory compliance.

The University has conducted an Energy Audit of all four campuses and the National Wine Centre. The audit identified a comprehensive range of potential energy saving opportunities with an aggregate potential savings of over \$1 million. The audit is used in identifying and prioritising energy management projects, including:

Greenhouse Challenge

The Vice-Chancellor has approved a recommendation that the University join the Commonwealth's Greenhouse Challenge. Apart from providing a focus for energy use reduction and energy efficiency initiatives, the Greenhouse Challenge helps members to build their capacity to measure and monitor greenhouse gas emissions.

Water Conservation

In consultation with the Adelaide City Council, Property Services completed a project to design and construct automated irrigation, pumping and lighting control systems that were installed to all areas of the Graduates Oval and Park 10 within a budget of \$510,000. The benefits to the University are a reduced and more efficient use of water, compliance with the water conservation policies identified within the Adelaide City Council Park Lands Management Strategy, and compliance with SA Water requirements.

Awards

Heritage-Listed Buildings

The University's conservation work on Bonython Hall in 2006–2007 won an Award of Merit in the UNESCO Asia-Pacific Heritage Awards in Bangkok. It was the only Australian project and one of eight projects in the region to be given an award in 2007.

The Asia-Pacific Heritage Awards for Cultural Heritage Conservation have been in place since 2000 and recognize the achievement of individuals and organisations within the private sector and public-private initiatives in conservation of heritage places in the region.

The UNESCO Jury of nine international conservation experts provided the following citation for the University of Adelaide project:

"The restoration of the Bonython Hall of the University of Adelaide is notable for its excellence in standard-setting technical achievement. The project exemplifies a model conservation process that has utilized a sophisticated and clearly articulated conservation management plan to guide the execution of complex technical works and set protocols for the long-term maintenance of the structure's architectural and historic values."

North Terrace Frontage

Australian Institute of Landscape Architects:
South Australian 2007 State Award Winner.

Urrbrae House

Institute of Architects State Award for Salt Damp rectification works.

Financial Overview

	Consolidated		University	
	2007	2006	2007	2006
	\$000	\$000	\$000	\$000

Summary Income Statement:

OPERATING REVENUE				
Received under Higher Education Support Act	199,645	183,251	199,645	183,251
Learning and Teaching	105,474	101,620	105,474	101,620
Research Grants and Fees	106,188	104,885	100,440	100,696
Research - Other	21,260	22,608	21,260	22,668
Other	103,570	103,320	69,973	66,150
Total operating revenue	536,137	515,684	496,792	474,385
OPERATING EXPENSES				
Salaries, superannuation and related expenses	279,032	257,213	269,710	249,397
Non salary expenses	224,410	219,557	193,209	189,610
Total operating expenses	503,442	476,770	462,919	439,007
OPERATING RESULT				
Operating Margin	32,695	38,914	33,873	35,378
	6.1%	7.5%	6.8%	7.5%

Summary Balance Sheet:

Total Assets	1,025,963	934,281	1,012,915	909,825
Total Liabilities	160,396	147,238	157,836	132,380
NET ASSETS	865,567	787,043	855,079	777,445
Current Ratio	1.5	2.2	1.3	2.2
Cash and Bank Bills	81,414	120,805	74,998	95,344

The University of Adelaide Council has adopted two principle financial targets:

- An operating margin no less than 4.5%
(Operating result as a percentage of total operating revenue as shown in the income statement)
- A current ratio between 1.0 and 1.5
(Ratio of current assets to current liabilities as shown in the Balance Sheet).

The University continued to achieve these targets in 2007.



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