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May 2017

> from the University of South Australia



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Santos helps UCL and UniSA to advance women in future industries research

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by Katrina Phelps



SCIENCE AND TECHNOLOGY

Dean of Faculty of Engineering Sciences at UCL Professor Nigel Tichener-Hooker, UniSA Vice Chancellor Professor David Lloyd and UCL President & Provost Michael Arthur sign the memorandum of understanding for the new fellowship program.

A new \$2 million fellowship program which will target female researchers for UniSA's Future Industries Institute, has been launched in the United Kingdom this month.

The funding comes from [Santos](#), with the fellowships to focus on research into key areas for future industries development – minerals and resources engineering; energy and advanced manufacturing; environmental science and engineering; and biomaterials engineering and nanomedicine.

The fellowship program also involves the [University College London \(UCL\)](#) through its partnership with the University's [Future Industries Institute](#).

UniSA Vice Chancellor, Professor David Lloyd, says women make up more than half of science PhD graduates and early career researchers, but just 17 per cent of senior academics in institutions across the country – that is something we want to turn around at UniSA.

"These fellowships will ensure that more women in science have the opportunity, not only to contribute to innovation, but also to lead that innovation," he says.

Prof Lloyd also says that the support from Santos represents a strong investment in South Australia, which will help to attract some of the smartest minds to the State.

"This is a great move because it invests in the future intellectual capital of the State and that is the way to fire up the new ideas, discoveries, and refinements that will deliver for the SA economy," Prof Lloyd says.

"This builds on our partnership with University College London, through the University's Future Industries

Institute, which is spearheading the development of new research in key industry areas and research that is informed by industry needs globally.”

UniSA’s Deputy Vice Chancellor of Research and Innovation, Professor Tanya Monro, says that getting more girls to study science, technology, engineering and mathematics (STEM) at school is key to getting more women into science careers.

“More women should be encouraged to go into STEM fields, however this needs to start right from the school years with girls enrolling in STEM subjects and understanding that working in STEM industries can be an attractive career choice,” Prof Monro says.

“I welcome this new fellowship program which recognises the importance of STEM for women to help build our workforce of the future.”

Prof Monro says the program is especially important as UniSA gears up its activities as a part of Australia’s [Science in Australia Gender Equity \(SAGE\)](#) project.

Modelled on the UK’s Athena Swann Charter, SAGE is a partnership between the Australian Academy of Science and the Australian Academy of Technological Sciences and Engineering, to address the systemic barriers to women’s career advancement.

The new research fellowships will be available for a period of five years and successful candidates will receive an annual support package to cover travel and other additional expenses.

See [In Pictures](#) for photos from the launch, which took place at a special UK Alumni UniSA cocktail reception at Australia House in London.

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Health clinic to help Adelaide's homeless

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by Annabel Mansfield



HEALTH

Lynda Cunningam and Jason Smith from SOS Health Foundation, Major Susan Wallace from The Salvation Army and UniSA researcher Dr Katia Ferrar at the new pro bono, student-led Open Door Health Clinic.

South Australians experiencing homelessness now have access to a free health clinic tailored to their needs, through a partnership involving the University of South Australia.

UniSA is working with [The Salvation Army](#) and the [SOS Health Foundation](#) on a new health clinic staffed by final-year undergraduate physiotherapy and podiatry students, who will work under the supervision of qualified clinical educators.

The pro bono Open Door Health Clinic, which provides physiotherapy and podiatry services to adults in crisis or experiencing homelessness, was conceived by UniSA researcher Dr Katia Ferrar.

"People experiencing homelessness suffer many of the same conditions as the rest of the population, but they also suffer some unique complaints," Dr Ferrar says.

"Sleeping rough, homeless people often experience low back and neck pain. Plus, as many don't have appropriate footwear, they can present with toenail issues and injuries to their feet.

"This clinic hopes to improve the health and well-being of at risk and under-served people in Adelaide, particularly those experiencing homelessness and people in crisis."

It will go some way to helping the more than 5000 South Australians who experience homelessness on any given night, while benefiting students.

"The clinic will deliver rewarding, hands-on learning experiences for the students," Dr Ferrar says.

"It will encourage students to improve their clinical skills, make them more flexible in their delivery of health care, all the while opening their eyes to at risk communities.

"It's very important that the students develop a strong sense of social justice to hopefully take strong steps to becoming ethical practitioners.

"I hope this clinic will serve as a model for other universities to provide a rich learning opportunity while improving the health of disadvantaged Australians."

When students are not practising, the clinic will be staffed by qualified volunteer therapists, a service organised by SOS Health Foundation.

SOS Health Foundation manager Lynda Cunningham says the services will be highly valued, having operated pro bono physio clinics in Melbourne and Brisbane since 2013.

"Seeking out healthcare is often not a priority for people who are experiencing homelessness or who are at risk," Cunningham says.

"Having an accessible service in Adelaide will give individuals hope that there is a solution to some of their long term physical problems."

Dr Ferrar was named as an [AMP Tomorrow Maker](#) in 2016 in acknowledgement of her work on the Open Door Health Clinic.

The Open Door Health Clinic began operating earlier this month at The Salvation Army Building, 277 Pirie Street, Adelaide. It will open every Wednesday between 1pm and 4:30pm. Appointments and walk-ins are welcome. All services are free.

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UniSA and King's College London offer new Aboriginal studies fellowships

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by Michèle Nardelli



SOCIETY AND CULTURE

The new Aboriginal and Contemporary Australian Studies Fellowships are underpinned by a memorandum of understanding between UniSA and King's College London (KCL). Pictured are Dr Peter Kilroy from the Menzies Centre for Australian Studies, Dr Ian Henderson from KCL and James Baggaley from KCL at the launch, which took place at a special UK Alumni UniSA cocktail reception at Australia House in London.

A special collaboration with King's College London will provide UniSA researchers with new opportunities to study at Europe's leading centre for Australian studies, the Menzies Centre, in London.

Vice Chancellor Professor David Lloyd says the new Aboriginal and Contemporary Australian Studies Fellowships will provide a fantastic opportunity to pursue research and promote broader and deeper understandings of Australian history, culture and contemporary society, across the region.

The new fellowships, underpinned by a memorandum of understanding signed between UniSA and [King's College London](#) (KCL) this month, support three-month placements at the [Menzies Centre for Australian Studies](#) for up to three UniSA researchers with expertise in:

- Indigenous knowledges
- The identity and contribution of First Peoples in Australia
- Contemporary Australian identities; and
- Australia's place in the world and other contemporary issues.

"The fellowships will open up opportunities to share more comprehensive, detailed and balanced understandings of Australian politics, economics, life and culture within research communities and will bring new opportunities for specialists in Aboriginal cultures to extend and share their knowledge," Prof Lloyd says.

“Significantly, our MOU with KCL also puts Aboriginal and contemporary Australian studies at the forefront with an agreement to host an annual David Unaipon* Lecture in London which will also be streamed live in South Australia at UniSA, and to foster other public speaking engagements.”

Established in 1982 at the University of London and then migrating to KCL in 1999, the Menzies Centre for Australian Studies has established an international reputation for research into Australian society and culture, public engagement through lectures and presentations - such as the annual Menzies Lecture - and a broad global fellowship program.

It is also networked with similar Australian studies centres in Copenhagen, Barcelona and Dublin.

The three-month fellowships will include return international airfares and accommodation and a stipend to cover living expenses and costs associated with academic work.

Director of KCL's Menzies Centre for Australian Studies, Dr Ian Henderson, says the new agreement will support more engagement, with researchers exploring issues in Australian society that are of contemporary significance, including those around Aboriginal community, culture and knowledge.

“As the oldest continuous culture on earth, there is much to learn from Aboriginal societies both from an historical perspective but also about the contemporary issues that impact survival and resilience,” Dr Henderson says.

“We want to encourage engagement between researchers from all disciplines at KCL with the extraordinary knowledge of country and the world held by Aboriginal and Torres Strait Islander Australians, as we confront the many challenges of the future.

“At the same time, we recognise there is much unfinished business between the peoples of Britain and Australia's First Nations, something we also hope to address in the conversations and projects we will develop.”

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From the Chancellery

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INSIDE UNISA

As you all know we take a great deal of pride in being Australia's University of Enterprise. That wouldn't be possible without the partnerships that we have built, and continue to build, with other universities and research bodies, with industries, professions and government agencies that enable us to take the theory of knowledge and put it into practice in the real world, for real impact.

These partnerships date back to our pre-University of South Australia days, but they have been massively stepped up during the past four years.

You only need to look at the success of our [Future Industries Institute \(FII\)](#) which is an exemplar of the kind of relationships we build, working with partners to define a problem, map out possible approaches, set benchmarks and realistic expectations, and create knowledge and new technology.

FII was built from an initial collaboration between UniSA and University College London (UCL) and we're now helping industry to diversify from traditional industry bases so that our future prosperity is assured.

Last week that partnership got even better when, while in London, I signed [a memorandum of understanding with UCL](#) for a fellowship program which will target female researchers for FII. Women make up more than half of science PhD graduates and early career researchers, but just 17 per cent of senior academics in institutions across the country – that is something we want to turn around at UniSA.

We have a partnership with Santos which is providing the funding for the fellowships.

Whilst in London we also announced a [collaboration with King's College London \(KCL\)](#) that will provide UniSA researchers with new opportunities to study at Europe's leading centre for Australian studies, the Menzies Centre.

The fellowships with KCL will open up opportunities to share more comprehensive, detailed and balanced understandings of Australian politics, economics, life and culture within research communities and will bring new opportunities for specialists in Aboriginal cultures to extend and share their knowledge.

We made those announcements at a special UK Alumni UniSA cocktail reception at Australia House, where we met up with around 100 UniSA graduates and friends.

It was great to hear about the incredible things our alumni are doing, and it really demonstrates how the investment in our students pays dividends throughout their lives.

Guests included the Australian High Commissioner to the UK His Excellency The Hon Alexander Downer AC; South Australian Agent General, Bill Muirhead AM; former High Commissioner and patron of the UK Alumni chapter, Mike Rann; and the inimitable Mr Barry Humphries AO CBE and Honorary Doctor of this University. Barry's honorary doctorate was awarded in recognition of his lifetime contribution to the arts and for being a part of Australia's cultural landscape as a writer, comedian, film producer and script writer. Now he's part of our family and he came to the alumni event to catch up. There are photographs in [UniSA News](#) that you can check out.

But back to business partnerships: before I went to London, I signed a memorandum of understanding with Saab Australia and Defence Industries Minister Christopher Pyne to establish the [Saab Australia-UniSA Defence Technologies Institute](#).

It will be located in a purpose-built wing at Saab's Mawson Lakes headquarters and provide a key education and research pipeline for highly skilled systems engineers.

We will be co-creating curriculum and teaching materials with Saab, ensuring they reflect current industry requirements and, at the postgraduate level, we will work with Saab to redevelop our [Masters in Military Systems Integration](#) to maintain the deep relevance of the program.

Taken together, that's a lot of partnerships, agreements and significant announcements in less than a week. And it's only a sample of the things we are working on across the University to ensure we are globally-focused, locally-engaged, and live up to our promise to be Australia's University of Enterprise.

While the announcements are an important way to celebrate and share our achievements, they don't – of course – reflect the time, effort and hard work that goes into them (and that will continue to go into them as we deliver).

They are only possible because of our strong connections and relationships with industry, with decision makers in government, with like-minded institutions and with our students and alumni.

As with our students, it takes nurturing and support to help grow those relationships. But it's an investment that benefits all of us.

Professor David Lloyd
Vice Chancellor and President

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AWARDS

Professor Debra Rowett presented Society of Hospital Pharmacists top award

UniSA's Professor Debra Rowett has been awarded the Society of Hospital Pharmacists of Australia's most prestigious award, which recognises individuals who make outstanding contributions to hospital pharmacy in Australia.

Prof Rowett, who is Discipline Leader: Pharmacy External Relations in UniSA's School of Pharmacy and Medical Sciences, was presented with the Fred J Boyd Award in recognition of her achievements and leadership in the development of national practice standards, education and research excellence in Australian hospital pharmacy.

Established in 1978, the award is in memory of the society's founding president Fred J Boyd.

SHPA president Professor Michael Dooley says Prof Rowett has been a powerful leader in Australian pharmacy for more than 30 years and has had her work published in almost 100 peer reviewed journals.

"She is a hospital pharmacist who has interacted with an extremely wide range of health practitioners and services, across a wide range of domains, and has continuously shown leadership, including research excellence," Prof Dooley says.

"Throughout her career, Prof Rowett has been a powerful champion for improving the pharmacy profession through both the development and improvement of practice standards and through improvements in the standards of education."

You can read Prof Rowett's oration in the [Journal of Pharmacy Practice and Research](#).

UniSA researcher wins national award to further work in prostate cancer

A UniSA postdoctoral research scientist, Dr Ian Johnson, has been awarded the Prostate Cancer Foundation of Australia's prestigious John Mills Young Investigator Award.

Funding provided through the award will allow Dr Johnson, a research associate in UniSA's School of Pharmacy and Medical Sciences, to further his research with the aim of improving diagnostic and prognostic testing in prostate cancer.

The John Mills Young Investigator Award provides funding for early, post-doctoral researchers to help further their research and attract ongoing funding.

Dr Johnson's research focuses on endosomes, which are membrane-bound vesicles found in all animal cells. He aims to identify which cellular machinery drives altered endosome production or function and how this may



contribute to prostate cancer.

The John Mills Young Investigator Award was established in 2013, in recognition of the outstanding contribution of Professor John Mills AO to the Prostate Cancer Foundation of Australia (2007-2013).

More details on the award are available on the [Prostate Cancer Foundation of Australia website](#).

Innovative research by UniSA students rewarded through 11 scholarships

Eleven UniSA students were among the high-achieving South Australians to receive a prestigious Playford Memorial Trust Scholarship, awarded at a ceremony last month.

The scholarships, named after South Australia's longest-serving Premier – Sir Thomas Playford – are provided to students whose studies are in areas of strategic importance for South Australia including agriculture, energy, advance manufacturing and mining.

Receiving a **Playford Trust Regional Science and Engineering Scholarships** were:

- Harrison Hood, who is in his first year of a Bachelor of Geospatial Science and plans to go on to complete a Master of Surveying; and
- Joel Moore who is studying his first year of a Bachelor of Pharmacy (Honours) after completing his schooling at Penola High School during which he received a STEM Award from UniSA.



Joel Moore with Education Minister Susan Close.

Five UniSA students were awarded **Playford Trust Honours Scholarships** including:

- Innocent Baya, who comes from Zimbabwe and is completing a Bachelor of Mechanical Engineering (Honours). His Honours project will focus on developing a wing actuation mechanism for a dragonfly-inspired micro-air vehicle.
- Thomas Gilmore, a fourth year Bachelor of Civil and Structural Engineering (Honours) who recently undertook an exchange program to Germany, during which he gained experience in industrial engineering.
- Ryan Holder who is in his Honours year of his Bachelor of Mechanical Engineering (Honours). His Honours project is focusing on designing and integrating a system that measures the performance of haul trucks on a mine site.
- Soliman Soliman who is also in his Honours year of his Bachelor of Electrical and Mechatronics Engineering (Honours) degree. He has embarked on a challenging final-year research project in optimal flight control of a finless rocket with 'thrust vectoring control' that supersedes tail fins.
- Victoria Zawko who is undertaking a Bachelor of Sustainable Environments (Honours), and has proven herself as a leader. A recent summer research scholarship saw her focus on pollination during which she developed her interest in agroecosystems.

The UniSA recipient for the **CRC for Cell Therapy Manufacturing/ Playford Trust PhD Scholarship** was:

- Jake Treloar, who completed his Honours degree last year and is now embarking on a PhD project investigating novel functions of cell-adhesion molecules in diabetes and pancreatic cancer.

UniSA's recipient of the **Chartwells/St Ann's College/Playford Trust Residential Scholarship** was:

- Brianna Schaefer, a first year Bachelor of Environmental Science student who spent her gap year working on her family's farm for two-grain harvests as well as an almond harvest.

The single recipient of the **Hillgrove Resources/Playford Trust Geospatial Science Scholarship** was:

- Sophie-Min Thomson who is studying a Bachelor of Geospatial Science and plans to use the scholarship to develop a resource management plan for the closure of the Kanmantoo Copper Mine to optimise benefits for the local community.

Receiving the **SA Power Networks/Playford Trust Scholarship – Honours or Final Year of Electrical Engineering** was:

- Rahul Kumar Patel, an ambitious Bachelor of Engineering (Honours) (Electrical and Mechatronics) student who aspires to become a power engineer. Rahul's final year project is to provide a low-cost, easy-to-use renewable, standalone power solution to remote communities in developing countries.

This year the Trust provided 39 scholarships to the value of close to \$500,000.

Chairman of the Playford Trust, the Honorable Dean Brown AO, said the standards achieved by this year's

applicants surpassed the achievements of previous years, making for a difficult selection process.

Urban planning commendation for honours project

A UniSA Bachelor of Urban and Regional Planning (Honours) graduate has been recognised at the prestigious Planning Excellence 2017 National Awards for work undertaken during his Honours year.

Ben Wollinski received a commendation in the Outstanding Student Project category for his thesis project 'Mismatch of housing: adequacy of housing for the population'.

"The commendation is a nice recognition of the effort, work and relevance to planning," Wollinski says.

"It is recognition not only for myself but everyone along the way including peers, lecturers, and past and present faculty members.

"The award is also recognition of the standards of UniSA and the quality of planners produced from this degree."

The project looked at the types of housing choices compared to a person's housing life cycle in Adelaide. His thesis examined whether current housing policies are achieving the desired results for the changing population demographic or if there are housing market failures.

The Planning Institute of Australia's National Awards for Planning Excellence showcase best practice across a range of planning disciplines and sectors and provide the opportunity to celebrate, recognise and reward outstanding planning and planners who make valuable contributions to the future of communities across Australia.

Architecture graduate wins fellowship to travel the world

UniSA architecture graduate, South Australian design icon and owner of Sans-Arc studio, Matiya Marovic, has picked up the coveted annual Jack Hobbs McConnell Travelling Fellowship.

A frequent visitor to Asia seeking design inspiration, Marovic will use his \$15,000 fellowship to visit China, Canada and Nepal to research how timber is used in modern and ancient construction, and how the techniques can be applied to the future of sustainable architecture in Australia.

"I believe timber construction has a large part to play in the future of sustainable architecture. It has stood the test of time," Marovic says.

His research will be divided into two core themes: high-tech, multi-storey timber construction, which he will research in Vancouver, Canada; and low-tech, a look at traditional and ancient timber construction methods in regional China and Nepal. He intends using the knowledge to push for more use of renewable and sustainably farmed timber in urban and regional Australia.

Marovic's designs are well known around Adelaide. He won the 2016 City of Adelaide Prize; 2016 Eat Drink Design Awards Winner for Best Bar Design; and the 2016 Restaurant and Bar Design Awards — Bar Australia/Pacific.

Find out more about Marovic's fellowship [here](#).



ANNOUNCEMENTS

Last chance to enter research photography competition

There's only a few weeks left to enter UniSA's Images of Research: Photography Competition.

The competition is open to UniSA staff and students, with a top prize of \$5,000, second prize of \$2,000 and People's Choice Prize of \$2,000 to be won.

The annual competition provides an opportunity for staff and students to showcase the breadth and diversity of research at UniSA where the images tell a story about the research the University does and the people who make it happen.

Entries close Wednesday 7 June 2017.



2016 1st prize. Ms Gertrude Hatvani-Kovacs, PhD Candidate, School of Information Technology and Mathematical Sciences. Image title : House in the urban heat island.

For more details visit the [competition website](#).

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University of
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The Australian dream: new research centre to contribute to affordable housing policy

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by Annabel Mansfield



COMMUNITY

Secure and affordable housing is fundamental to the wellbeing of all Australians, yet there has been a concentrated decrease in home ownership for people aged under 55.

The [Household, Income and Labour Dynamics in Australia Survey](#) shows that home ownership rates have fallen among 25- to 34-year-olds from 39 per cent in 2002 to 29 per cent in 2014, with similar declines among those aged between 35 and 54.

To help tackle these and other issues connected to housing, the University of South Australia has this month established a new research centre.

The research centre has been formed through a new partnership with the [Australian Housing and Urban Research Institute \(AHURI\)](#), a national, independent research network that provides high quality research to influence and improve policy development in this sector.

The AHURI Research Centre is co-hosted by the [Division of Education, Arts and Social Sciences \(EASS\)](#) and the [UniSA Business School](#).

New Centre Director, [Associate Professor Christine Garnaut](#) from the School of Art, Architecture and Design (EASS), says the centre is a valuable addition for UniSA, enabling the University to address issues of utmost importance for all Australians.

"Housing affordability continues to be one of Australia's greatest modern-day challenges, and through the AHURI network and our new centre, we will be actively contributing to ongoing debates and discussion about, as well as proposing solutions for, this very real problem," Assoc Prof Garnaut says.

"The centre will contribute to critical, evidence-based [policy development on a range of issues](#), including: housing

supply and affordability; planning and infrastructure development; homelessness; economic productivity; and social cohesion and wellbeing.

“And, as our centre’s research strengths in ageing, housing, urban planning and finance match well with AHURI’s key research themes including housing and welfare, tax and housing policy we will create strong synergies for research collaboration across our two divisions.”

Co-director of the new AHURI Research Centre, [Dr Braam Lowies](#) (School of Commerce, UniSA Business School) says the new centre hopes to encourage industry grants and investment.

“As our researchers collaborate across divisions and with other institutions in AHURI, we’re not only extending our knowledge, but we’re also opening doors to potential new grants and projects, which can provide significant funding for other research opportunities,” Dr Lowies says.

“We intend to provide the very latest research and insights with the hope that we can continue to excel and contribute to policy development to truly improve the lives of everyday Australians.”

The AHURI Research Centre will work across multiple disciplines including: architecture, urban and regional planning, econometrics, geography, sociology, finance, social work, psychology, marketing, transport modelling, health economics, property/valuation and history.

For more information about AHURI visit ahuri.edu.au.

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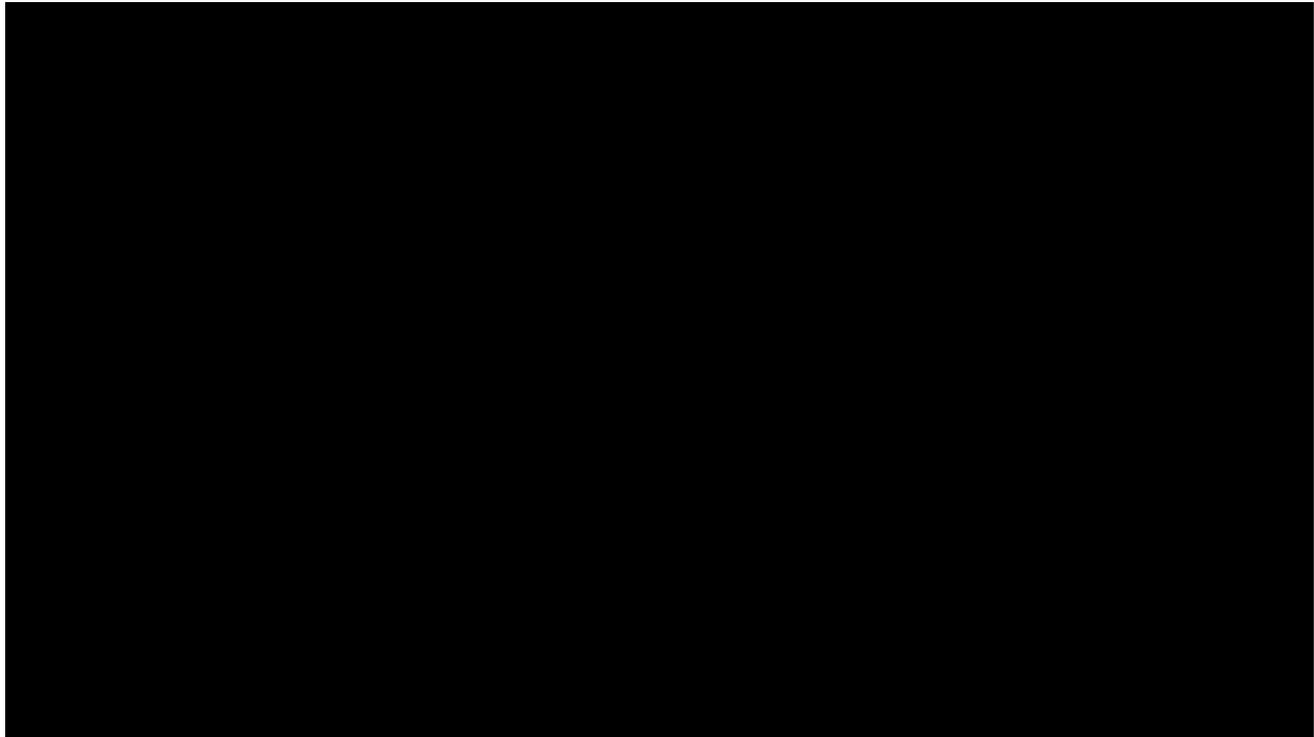
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Saab partners with UniSA to give SA a defence edge

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by Katrina Phelps



A Memorandum of Understanding to advance the institute was signed by Saab Australia managing director Dean Rosenfield, Defence Industry Minister Christopher Pyne and UniSA Vice Chancellor Professor David Lloyd.

UniSA has partnered with leading defence systems company, [Saab Australia](#), to establish a new institute, which will provide a key education and research pipeline for highly skilled systems engineers.

The new Saab Australia-UniSA Defence Technologies Institute will be located in a purpose-built wing at Saab's Mawson Lakes headquarters, close to UniSA's Mawson Lakes campus at which the Schools of Engineering, Information Technology and Mathematics and the Future Industries Institute are located.

A Memorandum of Understanding to advance the institute was signed earlier this month in the presence of [Defence Industry Minister, Christopher Pyne](#).

UniSA Vice Chancellor Professor David Lloyd says the new institute will address not only Saab's skills and education needs, but also provide opportunities for smaller companies in the [defence](#) supply chain, giving them access to new generations of well-prepared graduates and the chance to upskill existing staff.

"This initiative is a fine example of how universities and industry can work together to deliver future growth for South Australia," Prof Lloyd says.

"Students studying engineering, IT and a variety of other STEM-based degree programs will have the opportunity



Saab Australia and UniSA are partnering to establish the new Saab Australia-UniSA Institute for Defence Technologies.

to undertake real world projects at Saab or other companies in the supply chain and high performing students will be offered longer internships.

Joint creation of teaching materials to reflect industry requirements

“We will be co-creating curriculum and teaching materials with Saab, ensuring they reflect current industry requirements and, at the postgraduate level, we will work with Saab to redevelop our Masters in Military Systems Integration to maintain the deep relevance of the program.

“In addition, the partnership will provide opportunities for joint research work, opening up new areas for PhD research, supporting additional innovation.”

Managing Director of Saab Australia, Dean Rosenfield says the new Institute will have broad scope, including engineering and IT, with a particular focus on critical areas at the heart of what Saab delivers – augmented reality, autonomous systems, cybersecurity and complex systems engineering.

“The significant defence industry projects planned for the next 20 to 30 years in Australia will require a new level of people with specialist skills in systems engineering,” Rosenfield says.

“It is forecast that the need for additional personnel with the right education and training will be in excess of 5000 and about 20 per cent of those will need to be university qualified.

“This partnership ensures academia is in the heart of industry. Students will learn the technological skills, the industry demands and through the practical experience element, know how to deliver projects effectively.

“This new partnership will give South Australia and Saab the edge in building defence industry capacity, delivering world-class solutions for future key projects.”

Defence Industry Minister Pyne says the defence institute will become a sustainable source of Science, Technology, Engineering and Maths (STEM) graduates by immersing them in real world situations.

“Significant defence projects, such as the replacements for the Collins Class Submarines that will be delivered in the coming years, necessitate an increase in skilled people, especially in STEM subjects,” Mr Pyne says. “This will also build on our indigenous defence capability and provide a developing workforce for future export contracts.”



How the Advertiser reported it, 4 May 2017.

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Free marketing clinic to help small South Australian businesses

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by Annabel Mansfield and Brittany Warren



BUSINESS AND LAW

UniSA marketing students worked with the SANFL to increase match attendance and fan engagement. Pictured is the crowd at a Central District game. Image courtesy SANFL

The University of South Australia is offering free, confidential advice to small and medium businesses that need help with their marketing – and in doing so, giving final-year students valuable, real-world experience.

Small to medium enterprises (SMEs) make up the vast majority of Australian businesses, yet numbers from the [Australian Bureau of Statistics](#) show almost half of them cease operating within their first four years.

A new UniSA marketing clinic is offering small and medium businesses free assistance that could help more such businesses succeed.

Staffed by students, the clinic operates under the supervision of qualified marketing practitioners to provide confidential marketing advice to SMEs on a range of topics including advertising, brand management, marketing strategy, market analysis, and buyer and consumer behaviour.

The new initiative opens opportunities for SMEs and provides undergraduate business and marketing students with practical learning opportunities to further develop their marketing knowledge and professional skills.

Marketing Clinic course coordinator Vivien Chanana says the clinic offers an important service to the community.

“Many SMEs have limited resources and may need strategic marketing advice to help shape their direction,” Chanana says.

“Our final-year marketing students have a wealth of knowledge, which can



Course Coordinator Vivien Chanana consults with third-year Bachelor of Business (Marketing) student Oscar Bigioli at the newly launched UniSA Marketing Clinic.

greatly benefit companies that may not have the expertise in-house.”

The Marketing Clinic works starts with an initial appointment, conducted as a 60-minute interview, in which the business discusses its marketing problem with UniSA marketing students. Students then delve into research alongside a marketing academic, and provide recommendations to the client about how to best solve the marketing issue.

A diverse range of businesses have already worked with the UniSA Marketing Clinic, including ITWC Construction Asia Pacific, Foodbank SA, Natural Aid, start-up technical companies VOXON and Heliostat, and the SANFL.

Students work with SANFL to increase attendance and engagement

SANFL Brand and Marketing Manager Kristy Taylor says they worked with the UniSA Marketing Clinic to analyse gate entry data from the 2016 league season.

“This was the first year we’ve used electronic ticketing at our suburban grounds, so we needed to analyse our gate entry data and identify trends across all our games and clubs throughout the season,” Taylor says.

“The students we worked with had a sound knowledge of SANFL. They identified trends to shape our 2017 planning, including fixturing, promotions and communications, all which will increase our attendance numbers and fan engagement.”

Third-year marketing student Erin Hoklas says the experience of working with real clients has been invaluable.

“I’ve been able to participate in meaningful marketing tasks for real clients, as if I was consulting for them in the real world,” Erin says.

“I’ve also been able to fine-tune my professional skills in both written and verbal communication, client presentations, meeting deadlines, and data analysis.”

Chanana says the clinic exposes students to a range of industry clients, helping them establish a network of contacts for securing placements, internships and employment.

“You can really see how the clinic operates as a whole,” she says.

“There are benefits all round, from industry to university and back again. It’s a real recipe for success.”

Clinic services are available on Mondays from 1pm to 4pm at UniSA’s City West campus, Yungondi Building, 70-72 North Terrace. Appointments can be made by phoning +61 8 8302 0285 or emailing MarketingClinic@unisa.edu.au.

For more information visit the [Marketing Clinic webpage](#).



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University of
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Program helping elite athletes excel on and off the field

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by Sophia Moshakis



COMMUNITY

Adelaide United midfielder and UniSA Human Movement graduate Ryan Kitto, who is now studying a Master of Teaching.

UniSA is helping elite athletes and performing artists balance careers on the sporting or performing arts stage with higher education.

Director of Student and Academic Services Allan Tabor says the [Elite athletes and performing artists](#) program offers students a range of study options, which recognises the constraints of training and competition pressures.

“At any one point in time UniSA has approximately 200 elite athletes and elite performers studying with us,” he says. “They study a broad range of programs including Human Movement, Education, Business, Laws, Physiotherapy, and Architecture to name a few.

“Students are assisted with flexibility around leave, studying cross-institutionally or meeting other academic requirements without diminishing the quality of our education. Assistance is provided for timetabling and examination clashes so that these students can work with their training and competition needs.”

Adelaide United F.C. midfielder, Ryan Kitto, who graduated this year with a [Bachelor of Human Movement](#), says the elite athlete and performing artists program allowed him to achieve a good balance of studying and sporting commitments.

“Flexibility has been the key, as UniSA allowed me to move between tutorials to accommodate my training and travel arrangements, I’ve also been able to negotiate assessments to be handed in at rearranged dates,” Ryan says.



Studying Human Movement complemented Ryan's professional career as an elite athlete, allowing him to better understand what goes on 'behind the scenes' with his team.

UniSA student and Adelaide United player Ryan Kitto in a match against Wellington Phoenix at Coopers Stadium. Photo by Adam Butler.

"Human Movement attracted my interest, as I aspire to be a successful physical education teacher in the future," he says. "This degree enabled me to go down that path whilst also allowing me to learn invaluable information in the sports science field, which has provided me a greater understanding on what goes on behind the scenes with my sporting team."

Ryan is now pursuing further study with UniSA, undertaking a [Master of Teaching \(Secondary\)](#).

According to the 2016 [AusPlay](#) survey, football (soccer) is the most popular club-based participation sport in Australia for both adults and children.

"In Australia, I see football at a junior level growing and transforming in leaps and bounds and seeing the number of children, both girls and boys, participating at a grassroots level is fantastic for the sport," he says.

Athletes and performers can [apply for admission](#) into the Elite Athlete and Elite Performer program after receiving an offer to study at UniSA.

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Pioneering Aboriginal educator remembered for her courage and wisdom

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by Michèle Nardelli



COMMUNITY

The University of South Australia will fly flags at half-mast to honour the life of graduate and Honorary Doctor of the University, [Alice Rigney](#), who died earlier this month.

UniSA Vice Chancellor Professor David Lloyd says Alice Rigney pursued education not only with a personal passion, but with a deep commitment to its power to transform lives and change destinies.

“After a lifelong dedication to teaching – a career that took her from teacher’s aide in 1967, to school principal by 1997 when she retired – Alice continued to contribute her wisdom and drive with enormous generosity,” Prof Lloyd says.

“Post teaching, she took on significant roles in the South Australia’s Guardianship Board and Aboriginal Education, Training and Advisory Committee, and nationally, as Ambassador for the Commonwealth Department of Education, Science and Training’s National Indigenous English Literacy and Numeracy Strategy, but she still made time to return to our School of Education regularly, an inspiring guest at the school’s reconciliation morning teas.

“An Elder of the Kurna and Nungga Aboriginal Nations, in following her dream to get and give education, Alice blazed a path for others to follow.

“She was Australia’s first female Aboriginal school principal and first Aboriginal person to join the professional ranks of the South Australian Department of Education.



“She taught over 5000 Aboriginal students in her lifetime and mentored and inspired many more.

“She will be deeply missed by her large and loving family and by all whose lives she touched.”

A graduate of UniSA's De Lissa Institute, Rigney's pioneering contribution to Aboriginal education was acknowledged by the University in 1998, when she was awarded an Honorary Doctorate.

Rigney's three children have all gone on to contribute to society – Prof Lester-Irabinna Rigney is a Professor of Education at UniSA, Eileen Wanganeen followed her mother into teaching and education leadership and Tracey Ritchie works as a principal Aboriginal consultant at the Department of Education and Child Development.

Today, her granddaughter Tarni Rigney, the third generation of Alice's family, is studying at UniSA to be an early childhood teacher.

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Lisa shines as an example of excellence

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by Katrina Phelps



INSIDE UNISA

Lisa Fry (third from left) received the Australian Association of Social Workers Final Year Outstanding Practice Award. She is pictured (L-R) with Pro Vice Chancellor: Education, Arts and Social Sciences Professor Denise Meredyth, Head of School: Psychology, Social Work and Social Policy Professor Kurt Lushington, Vice Chancellor Professor David Lloyd, School of Psychology, Social Work and Social Policy lecturer Dr Sue Mutton and Associate Head of School: Academic/Program Director Associate Professor Deirdre Tedmanson. Photo courtesy [The Border Watch](#).

A Mount Gambier mature-aged student has not only completed a degree and obtained a job in her local community; she has also won an award from a professional body.

Lisa Fry completed her Bachelor of Social Work at the end of last year and at the graduation event last month, she was one of two recipients of the Australian Association of Social Workers Final Year Outstanding Practice Award.

“Winning this award is a wonderful personal achievement and it is a privilege to be recognised,” Fry says.

The award recognised Fry’s outstanding work during her final year placement in regards to identifying and discussing an ethical dilemma that arose during her placement.

“I was very lucky to have the ability to study in the town where I was born, where my family live, and where I have raised my family,” Fry says.

“Upon completing my degree I am grateful that I now have the opportunity to give back to my community.”

Lisa is now working as a therapeutic support worker at ac.care.

For the previous 23 years, she has run all the administrative aspects of her family business and raised three children.

When her children were at the age where they were leaving home one-by-one, she decided to do something for herself and that would “hopefully lead to making a difference in other people’s lives”.

"I had never completed school and it had been years since I had studied," Fry says.

"I jumped at the opportunity to undertake Foundation Studies at UniSA because it provided me with an alternative pathway to entering my chosen program and was an excellent learning curb before undertaking my degree.

"I have recommended the Foundation Studies course to numerous people around my age who are considering engaging in study, as well as to young people who have not had the requirements to enter university.

"I chose to go on to undertake the social work degree as I believe the social work program prepares you for a professional practice that has a great range of employment opportunities.

"In addition, the social work values of respect for persons, social justice and professional integrity are values that are equivalent to my values plus they are integral to providing support, reducing barriers, plus expanding choice and potential for those in need."

UniSA Vice Chancellor, Professor David Lloyd, met Fry at her graduation event and was impressed with her handling of a case during her final year placement, as well as her tenacity to return to university as a mature-aged student.

"To return to study as a mature-aged student can be a daunting and challenging prospect," Prof Lloyd says.

"I was inspired to hear about Lisa's story – a path that saw her raising a family, taking on Foundation Studies and then completing her social work degree and the outstanding integrity and professionalism shown in her final placement.

"Lisa is a great example of what our [Foundation Studies](#) program can help non-school leavers achieve."

The Australian Association of Social Workers also presented the outstanding practice award to Cathy Haakmeester, Master of Social Work, from the Magill campus.

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Secondary students showcase their swing at jazz festival

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by Chloe Newell



COMMUNITY

Students performing in a jazz combo at the Apple Farm marquee.

More than 4,500 secondary students from across Australia showcased their musical talents at the Generations in Jazz festival earlier this month.

The annual festival, held in Mount Gambier, sees students compete for a range of coveted awards and scholarships while experiencing the thrill of performing live to their peers and jazz lovers.

Students perform in stage bands, voice ensembles and this year's new division - small jazz combos, with many being inspired to pursue further studies.

The University of South Australia sponsored the festival, which helps develop young talent as students attend workshops, learn from their peers, and witness some of the world's highly acclaimed jazz artists perform live.

Bachelor of Music student James Owen studies at the [James Morrison Academy](#) in Mount Gambier and volunteered in a Green Room at the event. He says Generations in Jazz encouraged him to pursue music.

"I witnessed the Generations in Jazz academy band play at my first year at the Generations in Jazz festival," James says.

"I was captivated by the band but particularly by the intensity of the drummer.

"From that moment I knew that I wanted to be in the Generations in Jazz Academy, which became the James Morrison Academy the year that I began studying there."

This year's sold out Saturday night Gala Concert featured James Morrison, the Adelaide Symphony Orchestra, Jazzmeia Horn, Benjamin Northey, Gordon Goodwin, Wycliffe Gordon, Marian Petrescu, Mat Jodrell, Oliver

McGill and Darren Percival.

This jazz spectacular takes place in the impressive James Morrison Pavilion – a 6,000 seat, 90 metre x 45 metre, big top marquee - purpose built for the event in a paddock on the outskirts of Mount Gambier.

The UniSA Blues Lounge provided a 'chill out' zone for students between performances. The lounge offered Xbox games, giant Jenga and Connect 4, free popcorn and a place to relax.

UniSA offers [music programs](#) through the [James Morrison Academy](#).

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New UniSA resources to support communication challenges in aged care

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by Katrina McLachlan



HEALTH

Minister for Ageing and Multicultural Affairs, Zoe Bettison, launches the report, *Communicating Safety and Care in the Context of Linguistic and Cultural Diversity in Aged Care* at UniSA's Magill campus.

UniSA academics have developed new resources for nurses and care workers to support clients with complex needs, in the context of diverse languages, cultures and faiths.

The resources, summarised in a new report, acknowledge the growing challenge facing all those who support clients with a range of complex behaviours or unmet needs associated with dementia, especially when communication is occurring across languages and cultures.

Funded by a Safe Work SA Innovative Practice grant, the University of South Australia's Research Centre for Languages and Cultures project team worked with industry partners Helping Hand Aged Care and Southern Cross Care to conduct site-based research and develop professional learning resources.

The resource was trialled in the two industry sites with trainers, nurses and care workers and has been taken up in the two industry partner organisations. It is also available [online](#).

Associate Professor Angela Scarino, who was part of the project team, says the resources will help supervisory and direct care staff to better manage communication.

"Collaborating closely at all stages with management and staff at Helping Hand and Southern Cross Care and with the Project Advisory Group, we analysed documentation of incident reports and conducted focus group discussions with trainers, nurses and care workers to jointly identify the challenges and possibilities for communicating safety and care," Assoc Prof Scarino says.

"We then developed a set of five professional learning modules which include videos in which nurses and care workers themselves talk about how they communicate safety and care – with a focus on the diverse perspectives

and ways of communicating and caring that people bring from their different language and cultural backgrounds.

“Culturally and Linguistically Diverse (CALD) is a convenient label that is often used in policies and guidelines but it can hinder understanding in providing safety and care if communication is not recognised as intercultural and everyone’s responsibility.

“Understanding requires us to bridge our own language and culture in relation to the languages and cultures of others because being ‘at home’ in one’s own language and culture is a characteristic of all of us.”

Helping Hand Director of Research and Development, Megan Corlis, says feedback from staff has been very positive.

“One of our trainers said they had never seen staff so engaged with professional learning and described the resources as critical in encouraging relationship-centred care which then encourages better care and reduces ‘triggers’,” Corlis says.

Southern Cross Care Director of Workforce, Steve McCallum, agrees saying the resources are a great way to build collective intelligence across staff and clients.

“The discussions and activities included in these resources are great for – broadening people’s perspectives and we found they fostered the development of a range of expertise.”

The project team comprised Associate Professor Angela Scarino, Dr Fiona O’Neill and Dr Jonathan Crichton. The report, [Communicating safety and care in the context of linguistic and cultural diversity in aged care: an intercultural approach to training](#), was launched this month by Minister for Ageing and Multicultural Affairs, Zoe Bettison.

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New Books

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[How to rethink mental illness](#)

[A pocketful of dreams—a travelling diary and some storytellers](#)

How to rethink mental illness

Mental illness is typically framed around people's symptoms and cures, where the symptoms lead to a diagnostic label.

In the new final book of his trilogy, *How to rethink mental illness*, UniSA psychology researcher Professor Bernard Guerin challenges the traditional medical approaches to mental illness, working instead through interdisciplinary social sciences and discourse analysis.

Offering analyses which can be observed rather than theory, Prof Guerin says it is important to assess all the client's contexts and environment in order to understand the nature of their suffering, even the economic, cultural and patriarchal contexts.

"People do not 'have mental illness'; people live, and have lived, in contexts that do not support healthy behaviours," Prof Guerin says in the final analysis.

"So when we look at what is called mental illness, it's vital we observe all the contexts that produce the behaviours rather than just diagnosing symptoms."

The book covers a wide range of analyses, including: why some forms of suffering are attributed to 'mental illness', while others are not; the historical changes in self-identities as resources; the impact of economic and modernity contexts on wellbeing; how to deconstruct the Diagnostic and Statistical Manual of Mental Disorders; and most importantly, what life contexts lead professionals to attribute worse 'mental health' to women, the poor, and people of Indigenous and non-Western backgrounds. His own research is used to expand these topics.

"If the behaviours and thoughts we call 'mental health issues' arise in the person's contexts and life ecology, then we need to explore those properly first before making attributions to metaphorical 'diseases'," Prof Guerin says.

"And I have also included many ways to rethink cognitive models of suffering into observable behaviours-in-context."

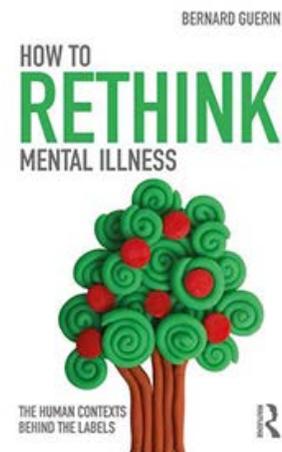
Published by Routledge and available [online](#), *How to rethink mental illness* offers a fresh perspective to challenge mainstream approaches to mental health. It will be essential reading for mental health professionals, as well as people who have experienced a mental illness personally or by association.

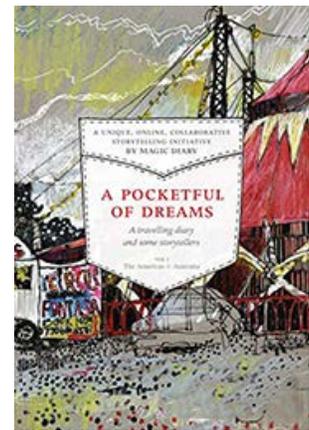
A pocketful of dreams—a travelling diary and some storytellers

The Magic Diary Project started in 2015, as an online, collaborative, storytelling initiative, unifying people across borders in creative harmony.

Through the project, more than 50 writers from across the globe, aged between nine and 90, have contributed stories which have now been published in *A Pocketful of Dreams*. There are three volumes – Volume 1: The Americas & Australia, Volume 2: Europe & Africa, and Volume 3 South & East Asia – each a unique heart-warming adventure of a group of like-minded people, who never met each other but were united by the power of the internet to celebrate their similarities and learn from their differences.

Dr Anusua Ghosh, UniSA PhD graduate with the School of Engineering (Electrical and Information Engineering) has contributed her own story to this collection, *Exploring*





Magical Kangaroo Island, a tale about adventuring through her favourite tourist destination. She says *The Magic Diary Project* has been a valuable experience in creative expression.

“As a researcher, it’s easy to default to academic or technical writing,” Dr Ghosh says.

“Writing for *The Magic Project* has let me express myself creatively through storytelling. It’s been a great experience that I think a lot of our university students or academics could explore as a platform to express themselves differently.”

Dr Ghosh says *The Magic Diary Project* is a non-profit initiative that aims to build bridges across cultures through storytelling.

“We believe, no matter how ordinary, stories can trigger a great change in society. They can educate us, inspire us, and even heal us.

“*The Magic Diary* is a rare example of universal brotherhood and a roadmap to world cooperation.”

A Pocketful of Dreams is available for purchase [online](#). All proceeds from the book go to charity.

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Highlights from the Media Centre

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From research showing underreporting of workplace injuries to UniSA students offering free heart health checks, here are some of the top stories from our [Media Centre](#):

[Iceberg data for workplace injuries](#)

Accidents leading to work injuries cost an estimated \$57 billion in Australia and new research from the University of South Australia shows workplaces are unlikely to be adequately addressing injury prevention because management decisions are informed by inaccurate data.

Reporting of workplace injuries appears to be a bit like an iceberg – there is a lot going on underneath that is not reported.

The University's Asia Pacific Centre for Work Health and Safety study linked confidential surveys of hospital employees to register-reported injuries and found a large discrepancy.

Lead researcher Amy Zadow says on average, only four per cent of work injuries were registered compared to those reported in the confidential survey.

"Workers were much less likely to report psychological injuries with 73 per cent of physical work injuries reported compared to just 35 per cent of psychological injuries," Zadow says.



[Students delivering life-saving heart health checks](#)

The University of South Australia partnered with the Heart Foundation to offer free Heart Health Checks to the community at UniSA's Mobile Allied Health Clinics at Elizabeth and Salisbury in May.

Delivered by students supervised by UniSA Health Sciences Clinical Education Centre Coordinator, Sue Gash, everyone was welcome to have their blood pressure taken and learn more about their heart health from the Heart Foundation.

"Last year we undertook more than 1000 health assessments at 28 community centres or community events north of Adelaide so these students are committed and experienced," Gash says.

Heart Foundation South Australia CEO, Imelda Lynch, says undiagnosed or untreated high blood pressure is a ticking time bomb for heart disease and other serious illnesses like stroke, dementia and kidney disease and because people often don't have symptoms they don't think they are at risk.



[Food for thought: Re-designing urban food gardens to deliver maximum benefit](#)

Ever wondered why growing food at home never seems to save you any money?

Two researchers, Dr James Ward (UniSA) and Dr John Symons (Victoria University) think they may have the answer, and it lies in mathematics.

Their work, published in the free Open Access journal [Horticulturae](#), uses a mathematical optimisation technique called 'linear programming' to design urban food gardens that deliver the maximum cost-saving to households.

"Growing food at home used to be something people did to be thrifty," says



Dr Ward, lead researcher on the project, “but these days it’s become more of a trendy thing that’s only done by people who have enough disposable income.”

One of the biggest recent changes to garden affordability is the rising price of water.

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Special alumni event at Australia House in London

About 100 UniSA graduates and friends attended a special UK Alumni UniSA cocktail reception at Australia House in London on 9 May. UniSA Vice Chancellor Professor David Lloyd attended the event, along with His Excellency The Hon Alexander Downer AC, Australian High Commissioner to the UK; South Australian Agent General, Bill Muirhead AM; University College London Provost Professor Michael Arthur; and former High Commissioner and patron of the UK Alumni chapter, Mike Rann. During the reception, a new research fellowship program was launched as part of a \$2 million partnership with University College London and Santos. See [the story](#) in UniSA News for more details about the new fellowship program. Barry Humphries AO CBE and Honorary Doctor of UniSA, was a special guest.



His Excellency The Hon Alexander Downer AC, Australian High Commissioner to the UK (above left) and Barry Humphries AO CBE (above right, second from right) were among the guests at the cocktail reception at Australia House.







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