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February 2015

> from the University of South Australia



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Many of us have done it as children – as we pored over the latest edition of the *Guinness Book of Records* or 'world's strangest facts' – we have wondered what it would be like to walk in the world's tallest shoes, grow the longest beard or live in the house with the world's longest address. [more](#)



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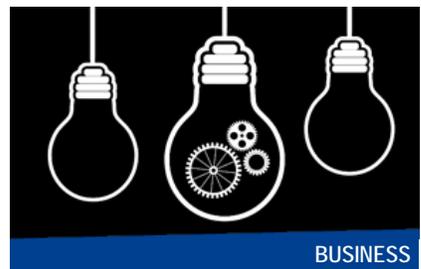
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WOMADelaide partnership focuses on the health of our planet

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by Rosanna Galvin



COMMUNITY

What food we choose to eat can have a very real impact on our planet, according to Dr Evangeline Mantzioris.

The UniSA researcher will explore the connection between environmental sustainability and diet when she teams up with well-known chef Simon Bryant and winemaker Louisa Rose to deliver a workshop on sustainable diets at this year's WOMADelaide Festival.

The workshop is part of the Planet Talks series, which are being presented by UniSA as WOMADelaide's official education partner. The series will see six panel sessions and three hands-on workshops take place across the four-day festival, focusing on sustainability and the environment.

In addition to Dr Mantzioris, UniSA researchers Professor Chris Daniels, Dr Paul Sutton, Dr Robert Crocker and lecturer Martin Freney will present at the 2015 Planet Talks, joining an impressive line-up of speakers that includes former Greens party leader Bob Brown, renowned oceanographer Sylvia Earle and TV personality Andrew Denton.

UniSA Vice Chancellor Professor David Lloyd says this year's Planet Talks will explore a range of ideas and topics that deal with our sustainable relationship to the planet.

"UniSA is particularly proud to present Planet Talks because the series provides an opportunity to explore some of the pressing issues of our time," he says.

"We look forward to the discussion on how we can live more sustainably and harmoniously on our planet and we expect this year's Planet Talks will be full of thought-provoking conversation and lively debate."

The three workshops are a new addition to the Planet Talks program this year and for Dr Mantzioris, lecturer in

nutrition in UniSA's Health Sciences Division, they will provide an exciting platform to inform, inspire and engage audiences.

Dr Mantzioris's research focuses on the environment-food nexus and as part of her workshop, she will educate audiences on how to make healthy and sustainable food choices.

"Most people don't realise just how big an impact what they put in their mouths can have on the environment," Dr Mantzioris says.

"We have national guidelines for healthy eating in relation to how the right diet can reduce the risk of chronic health conditions such as obesity but there is no advice on how to eat sustainably.

"Food waste is a huge part of the problem – according to the Australian National Waste Report in 2010, each Australian household throws out the equivalent of 361kg or \$616 worth of food a year. But it's not food waste alone that takes a toll on the environment. It's also all the resources that go into growing, transporting, processing and preparing food.

"The good news is there are lots of small changes people can make to their diet which will have a positive influence on the environment. For example, by simply switching from beef to pork, you will reduce emissions of greenhouse gases by approximately two thirds. Making the switch from meat to soy-beans is even better for the environment.

"We're not saying you should give up meat altogether – but by reducing your servings of meat per week you really can make a difference."

UniSA's Botanic campus will also return to this year's festival, with the University teaming up with T Bar and ABC 891 radio to provide a space where festival-goers can go to relax and recharge. The campus will also house two bicycles made by UniSA's Mechatronic Engineering and Robotics Club, which are capable of charging your mobile phone through pedal power.



The UniSA Mechatronic Engineering and Robotics Club working on the bike capable of recharging a mobile phone.

UniSA students, staff and alumni can receive a discount of up to 20% off WOMADelaide tickets.

For more information, go to unisa.edu.au/womad.

The UniSA students behind the scenes at WOMADelaide

While Adelaide gears up for another 'Mad March' and festival organisers across the city shift into gear, two soon-to-be UniSA graduates are finishing their degrees with an internship at the renowned WOMADelaide Festival.

Bachelor of Business Management student Kimberly McMahon and Bachelor of Marketing student Tamara Mascarenhas (pictured right) have been working in the WOMADelaide headquarters in the lead up to the event in March.



The pair is working alongside UniSA Public Relations graduate Sophie Murray, who successfully completed an internship with WOMADelaide last year and was asked to return this year in the role of Publicity Coordinator.

Tamara, who will graduate in March, says the chance to work on such a large-scale festival has been amazing.

"I've done some smaller festivals in the past, working on publicity and promotion, but WOMADelaide is just so huge – it's been lots of fun," she says.

"My role so far has focused on pitching interviews and securing media coverage for artists, as well as working on general festival promotion.

"It's exciting when I see a story I pitched come out in the media and to realise that I helped make that happen. I'm really looking forward to the actual festival – to be a part of it, not just as an audience member, but behind the scenes as well."

Sophie, who graduated from UniSA in mid-2014, says it's great to be back on board and although it's still "terrifying" at times, she's enjoying taking on more responsibility in the WOMADelaide team.

“I’m definitely more involved this year and I’ve got a few more responsibilities. Sometimes I feel like I’m a duck on water – looking calm on the surface but paddling hard to keep everything going,” she says.

“This year I’ve been responsible for the publicity surrounding the new Street in The Park - Taste the World Restaurant, a new restaurant with food inspired by the artists and the street food from their countries. I think it’s a really cool concept to be able to sit down with table service and just let WOMADelaide rush over you. I’m really excited to see how it goes.”

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Is weight all in our genes?

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by Kelly Stone



HEALTH

With society somewhat obsessed with beauty and physical appearance, many people are spending hours at the gym and dieting in order to look good.

But does all of that hard work pay off, or do genetics predetermine what our bodies look like?

Professor Timothy Olds, group leader from UniSA's Health and Use of Time Group, says we all know people who seem to be able to eat as much as they like and never gain weight.

"Others seemingly only have to be in the same room as a hamburger to put on weight. They're the unlucky ones," he says.

Prof Olds says how much weight we lose or gain, how fast it happens, where on our bodies we gain or lose weight, and how much of it is fat, all depends on both environmental and genetic factors.

He says two of the most famous experiments in exercise physiology, the *Québec Overfeeding Experiment*, and the *Minnesota Starvation Experiment*, tell us a lot about genetic factors.

"In Québec, Claude Bouchard overfed 12 pairs of identical male twins by 4200 kilojoules a day, six days a week for 100 days. Weight gain ranged between 4.3 and 13.3 kg, but within twin pairs, the amount of weight gained was very similar. However, some pairs gained a lot of weight – and fat – while others gained very little," he says.

"In the *Minnesota Starvation Experiment*, conducted by the charismatic Ancel Keys in 1944, 36 conscientious objectors were put on semi-starvation diets for six months, underfed by about 4200 kilojoules a day, as part of a project to determine optimal nutrition for European refugees at the end of World War II.

"At the end of six months they had lost 25 per cent of their initial weight."

Prof Olds says one of the most striking findings of the Minnesota experiment was that the composition of weight

lost – that is the mixture of fat and lean mass – varied enormously among the participants. Some lost mainly fat, others mainly lean mass.

He says that while it would be hard for ethical reasons to replicate these experiments today, they do tell us that about 50 per cent of the variance in the amount of weight and fat lost, and the pattern of fat loss, is genetically determined.

So what kinds of responses are affected by genes?

Prof Olds says firstly, underfeeding reduces basal metabolic rate, a kind of emergency response, while overfeeding increases it.

“But the amount of change depends on our genes,” he says.

“Secondly, metabolic rate increases after a meal, and following exercise, but these too vary from person to person.

“Thirdly, nutrient partitioning – the mix of fat and lean mass gained or lost – will vary, and so will fat patterning, which is where we put on or lose fat.

“Finally, the amount people increase or decrease their non-exercise energy expenditure, for example, by fidgeting, will vary from person to person.”

Prof Olds says the best approach to healthy living is to focus on how healthy eating and regular exercise makes you feel good.

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Ground breaks on new learning spaces

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by Rosanna Galvin



INSIDE UNISA

Artist's impression of the Health Innovation Building.

A earth-turning ceremony at UniSA's new Learning Centre in Mount Gambier last month has kicked off the first of a series of key University campus facilities projects set to start this year.

The \$12.5 million Learning Centre (pictured right), which will provide South East students with a world-class tertiary education facility and state-of-the-art learning spaces, is one of three major buildings with construction scheduled to begin in 2015.

This year will see work start on both the Health Innovation Building, an integrated health and research facility located in the heart of the South Australian Health and Biomedical Precinct on North Terrace, and the Great Hall, a purpose-built sports, recreation and cultural complex on Hindley Street. Both are scheduled to open in 2018.



Artist impression of the new Learning Centre in Mount Gambier.

UniSA Vice Chancellor Professor David Lloyd says the University is entering an exciting phase in its development as it works towards meeting the goals set out in *Crossing the Horizon*, the University's strategic action plan.

"Our aim as a University of Enterprise is to be a creative and responsive institution that meets the needs of the community at a local, national and global level – whether that is by producing graduates equipped to adapt to changing job markets or by finding solutions for industry," he says.

"It is important that we provide the right environment to support our students, staff and alumni in achieving our overarching goals. We want to develop spaces that foster creativity, innovation and a sense of community.

"With the Great Hall, we are creating a sense of place and connection. This will be a space that students will

remember fondly long after they graduate – a place where achievements, milestones and University life are celebrated. Our aim is that this space becomes the heart of the University and a key focus for our public engagement.

“Community engagement will also be at the core of our Health Innovation Building, where our new Allied Health Clinics will be located. The clinics will not only provide students with work placement opportunities; they will also offer a range of expanded health services to the wider community.

“The same building will house our researchers working towards solutions for one of the biggest health challenges of our time with the Centre for Cancer Biology, a partnership between UniSA and SA Pathology, taking up residence there.

“And on the ground floor of the Health Innovation Building we will be creating the University’s public science outreach studio – Science | Creativity | Education Studio (SciCEd) – a facility that will transform public perception of and participation in science, technology and innovation.”

ICT Innovation and Collaboration Centre will also be located within the Health Innovation Building. A strategic venture between UniSA, global IT giant Hewlett-Packard and the South Australian government, the Centre will be hub for new ideas in ICT.

Prof Lloyd says that while the three projects will see a significant physical transformation to the University’s presence in the Adelaide CBD and in Mount Gambier, what’s most exciting is the way the new buildings will influence the entire student experience at UniSA.

“The overall experience students have at university sets the stage for what they do next and what impact they will have on their communities upon graduation as they forge their own paths as the next generation of modern professionals,” he says.

With construction now underway on Mount Gambier’s Learning Centre, the Health Innovation Building will be the next to officially break ground. Construction is scheduled to begin in March with the project team, led by Swanbury Penglase and BVN Architects, recently releasing artist’s impressions of the building (pictured above).

Construction of the Great Hall will commence in the second half of the year and will be led by a project team comprising South Australian firm JPE Design Studio, Norwegian architecture firm, Snøhetta, and SA’s JamFactory. Snøhetta was recently listed in the world’s top 100 architecture firms for 2015, coming in at number 6.

Construction of these key new pieces of infrastructure will tie in with the fast-approaching 25th birthday of the University in 2016. The Great Hall project will also see the launch of a new philanthropic campaign that will give UniSA students, staff, alumni and friends a chance to play a meaningful and tangible part in delivery of the University’s flagship building.

UniSA’s Director of Advancement, Deborah Heithersay, says the campaign will allow UniSA’s community of supporters to embed themselves into the building’s DNA – the very fabric of the Hall.

“Staff, students, friends and alumni will donate to have their name and their choice of *three words to live by* woven, etched and imbedded in the fabric of the building to create an artistic and inspiring array of stories,” she says.

“We are drawing on the creative genius of JPE Design Studio, Norwegian architecture firm, Snøhetta, and SA’s JamFactory to see this idea transformed into an art form that will draw visitors, inspire future students and be a discussion point for many years to come.”

For more information on campus facilities, go to unisa.edu.au/campus-facilities.

Students influence great design

Two UniSA Master of Architecture students are working alongside South Australian firm JPE Design Studio, Norwegian architecture firm Snøhetta, and SA’s JamFactory to bring UniSA’s Great Hall to life.

Clare Randle and Todd Read (pictured right) are completing an internship with JPE Design Studio as part of a final-year design elective subject. Clare says she jumped at chance to work on a significant architecture project at the campus she has studied at for five years.



“It’s exciting to have the opportunity to contribute to a design that is very different to other architecture at City West, and which is so important to forming the identity of the campus,” she says.

“My internship is teaching me about the real potential that design has to enhance peoples’ everyday lives.”

Clare, who hopes to work in a local architecture firm after graduating, says the Great Hall will have a huge impact on the overall student experience.

“I think this part of the campus will become a lively social place for students to meet and enjoy events and activities,” she says.

“With the new building, I think we will start to see more students on campus. I think students will stay longer on campus outside their class times and this will build a stronger community.”

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news

February 2015

> from the University of South Australia

From the Vice Chancellor

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Those of you who witnessed our first attempt at riding a 42-metre bike during the Tour Down Under – and saw the subsequent spill into the roadway – will have recognised that event for the metaphor that it was. We tried something new, it didn't work, so we tried again. Our persistence paid off. With our second effort we not only made it into the *Guinness World Records* but we posted a lesson for incoming students: don't fear failure. Keep moving forward.

As we welcome our commencing students this year, and welcome back those of you who are continuing your studies, you are about to witness some major developments at UniSA and you will benefit from all of them.

This year we're laying the foundations for your future. We're also laying some foundations of our own. In 2015, as we head into our 25th birthday year, we're starting work on the new Health Innovation Building, on the new education precinct at Magill, on new student accommodation at City West and also on the Great Hall. These are huge infrastructure projects, part of the promises we made in *Crossing the Horizon*, to provide work and study spaces that foster creativity and innovation in everything we do.

Chances are that those graduating in 2018 will have their graduation ceremony in the Great Hall; you will certainly have an opportunity to make a permanent mark upon the building itself when we begin our new fundraising drive as we head into our 25th birthday celebrations.

But, before you graduate, we want to make sure that you get the best student experience possible and that includes a new, innovative curriculum, new digital learning strategies and a focus on internationalisation to help prepare you to pursue the career of your choice, anywhere in the world.

And yes, there are uncertainties facing all of us as the higher education reforms impact on all of our lives. But the best way ahead is to continue to differentiate ourselves as being the university of choice for people intent on forging successful careers and make every possible effort to ensure that your HECS debts are investments not millstones.

We're all looking forward to a busy year ahead of us doing the two things that we do so well: creating new knowledge and educating the new professionals who will drive the national and international economies of the future.

Professor David Lloyd
Vice Chancellor and President

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Arts and education leader to join UniSA

Australian Research Council (ARC) Executive Director for Humanities and Creative Arts, Professor Denise Meredyth (pictured right) will join UniSA this year as Pro Vice Chancellor for Education, Arts and Social Sciences (EASS).

Previously Deputy Pro Vice Chancellor for Research at RMIT, Prof Meredyth has broad experience across the higher education sector, working in leadership roles in research and research management. Her personal research interests lie in education and education policy, social policy, culture and history.

UniSA Vice Chancellor Professor David Lloyd said Prof Meredyth would bring a great breadth, insight and experience to the role.

“Denise brings a unique perspective to UniSA, having been a researcher herself, then moving into the business end of research in the ARC to develop research grant processes and policies and administer Linkage Projects and Australian Laureate Fellowships. She has a keen and experienced understanding of the research environment,” he said.

Prof Meredyth said she was delighted to be joining UniSA and was looking forward to playing a part in developing the new Magill education precinct.

“My formative years, professionally, were as a teacher in ACT schools and as an education historian, and I’ve always been passionate about educational opportunity, so I am looking forward to helping to build the new Magill education and creative precinct,” she said.

“The Magill education precinct presents a unique opportunity to build links between education, urban planning, digital communications, information-seeking and community consultation and design.”

Across her career, Prof Meredyth has been awarded 14 ARC grants totalling \$4.8 million and has worked as a chief investigator and node leader for an ARC Centre of Excellence.

Prof Meredyth will take up the position of PVC for EASS in April, replacing Professor Kurt Lushington who has been acting PVC since the departure of Professor Pal Ahluwalia last year.

For more information, read the related [media release](#).

International expert in Islam and society to lead Centre for Muslim and non-Muslim Understanding

Leading sociologist and acclaimed author and expert in Islam and society Professor Riaz Hassan, AM has joined UniSA as the new Director of the International Centre for Muslim and non-Muslim Understanding (MnM) in the Hawke Research Institute.



UniSA's new Pro Vice Chancellor for Education, Arts and Social Sciences, Professor Denise Meredyth.

Prof Hassan's research career in sociology, Islam and Muslim societies, the sociology of housing and of suicide and suicide terrorism spans 40 years and includes significant research appointments at leading universities in Abu Dhabi, Indonesia and the United States.

UniSA Deputy Vice Chancellor: Research and Innovation, Professor Tanya Monro said Prof Hassan would bring great leadership and broad research connections to the Centre.

"Prof Hassan's contribution is highly respected internationally and he has been a leading light in delivering quality research that feeds into the development of greater understanding between Muslim and non-Muslim societies," Prof Monro said.

"In Australia he has received some of the highest honours in the academic community including being made a Fellow of the Academy of Social Sciences and awarded a member of the Order of Australia.

"We are delighted to have him join the University in this important role."

Director of UniSA's Hawke Research Institute, Professor Anthony Elliott said Prof Hassan's appointment was a major development for the MnM Centre.

"Prof Hassan is one of Australia's top sociologists and is widely recognised as the global expert on suicide bombing," Prof Elliott said.

"Given current worldwide geopolitical tensions, he will bring enormous insight and provide leadership on our vital public debate concerning the best ways forward for the development and deepening of understanding between Muslim and non-Muslim communities."

Prof Hassan is also a visiting Research Professor at the Institute of South Asian Studies at Singapore's National University and an Emeritus Professor of Sociology at Flinders University.

For more information, read the related [media release](#).

Frontrunner in Indigenous education joins UniSA

A passionate advocate for literacy and Indigenous education, Professor Lester-Irabinna Rigney has been appointed as Professor of Education in the UniSA School of Education.

Currently the Dean of Indigenous Education at the University of Adelaide, Prof Rigney will bring valuable expertise in literacy and curriculum studies, Indigenous research strategies and Indigenous Australian studies to the University.

Acting Pro Vice Chancellor for the Division of Education, Arts and Social Sciences, Professor Kurt Lushington says he is delighted to welcome Prof Rigney to UniSA.

"We look forward to Prof Rigney making a strong and positive contribution to the profile of the School of Education and the University," he says.

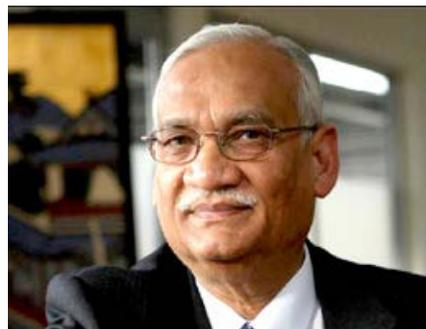
"Prof Rigney is a committed advocate for literacy and Indigenous education, with over 20 years' experience working in Aboriginal Education, during which time he has been Dean and Director of Wilto Yerlo and the Director of the Yunggoendi First Nations Centre at Flinders University.

"Prof Rigney was ministerial advisor to the Honourable Peter Garrett on Aboriginal and Torres Strait Islander early childhood and school education as part of the First Peoples Education Advisory Group, and Australian Ambassador for Aboriginal Education.

"In addition, he is an active researcher with more than 120 book and journal publications, and he sits on the editorial board of several national and international Indigenous Studies journals."

Head of UniSA's School of Education, Professor Stephen Dobson says Prof Rigney is a welcome addition to the highly qualified staff in the School.

"I am very pleased to have new a member of staff with such a broad range of expertise covering Indigenous Studies, literacy and ICT," Prof Dobson says.



Director of International Centre for Muslim and non-Muslim Understanding, Professor Riaz Hassan.

"He will be able to work across multiple areas, making a genuine and highly valued contribution to the next generation of teachers."

A Narungga, Kurna and Ngarrindjeri First Nations man in South Australia, Prof Rigney has been described as a visionary by UniSA's Dean: Indigenous Scholarship, Engagement and Research, Professor Peter Buckskin.

"Prof Rigney is an agent of change and a strong advocate for the advancement of schooling, languages and literacies, especially Aboriginal First Nations education," Prof Buckskin said.

"He was born and raised on Point Pearce Aboriginal Mission, Yorke Peninsula and finished his undergraduate degree at UniSA, before completing his specialisation in Education earning a Masters degree in curriculum leadership. He completed his PhD at Flinders University.

"His latest research includes schooling and climate change; digital literacies; and schooling to address grand challenges.

"Across his career, he has worked with students, teachers, Elders, Prime Ministers and Nobel Laureates on schooling."

Prof Rigney has received an honorary United Nations award from the Australian Chapter for his work on Indigenous Education in 2009, and in 2011 he won the National Aboriginal scholar of the Year NAIDOC.

Prof Rigney says he was looking forward to tackling his new role, and ensuring UniSA continues to grow as a leading Australian university. He will join UniSA in March this year.

Australia Day honours for seven UniSA alumni

Basketballer, triple Olympic medallist and UniSA alumna **Rachael Sporn OAM**, was one of seven UniSA alumni to be recognised in the Australia Day Honours List this year.

Sporn's impressive basketball career has seen her compete in the Australian Olympic Basketball Team three times, winning Bronze in Atlanta in 1996 and Silver in Sydney in 2000 and in Athens in 2004.

Sporn, who graduated with a Bachelor of Education (Secondary Physical Education) from UniSA, is currently development executive of the Australian Melanoma Research Foundation and is involved in the media as a sporting commentator.



The six other UniSA alumni recognised in the awards were:

Professor Malcolm Haskard AM (Graduate Diploma of Management) – for significant service to science, particularly to electronic engineering, and to the community.

Margaret Claire Martlew OAM (Bachelor of Education, In Service) – for service to the communities of Port Elliot and Victor Harbor.

John McDonald AM (Diploma in Accountancy) – for significant service to business through senior accountancy roles, to the not-for-profit sector, and to sporting organisations.

William Smith AM (Graduate Certificate in Legal Practice) – for significant service to the law particularly through international justice tribunals and human rights organisations.

Bill Spurr AO (Diploma of Teaching in Further Education) – for distinguished service to tourism, to education, particularly through international marketing, to the arts and sport as an administrator of institutions and events, and to the community of South Australia.

Anne Virgo OAM (Bachelor of Fine Art) – for service to the visual arts, particularly printmaking.

Rewarding a spirit of welcome

Adelaide pastor and founder of the Welcome to Australia movement, Brad Chilcott (pictured right), and the Queensland Eidfest Association, are the winners of the 2014 Awards for Muslim and non-Muslim Understanding, announced in December last year.

Developed by UniSA's International Centre for Muslim and non-Muslim Understanding in conjunction with the Australia Day Council of South Australia, the awards celebrate members of the community who are

actively improving understanding between Muslims and non-Muslims in Australia.

Chilcott, who won the individual award, is the lead pastor of the Activate Community in Bowden, South Australia and founded the movement locally in 2011 to foster a culture of welcome for new migrants and refugees, a culture which has now spread nationwide.



Adelaide pastor and founder of the Welcome to Australia movement, Brad Chilcott.

Queensland Eidfest Association, which won the organisation category, was formed in 2005 with the aim of welcoming the wider community into celebrations marking the end of Ramadan. Eidfest is now a feature event on Brisbane's cultural calendar.

UniSA acting Pro Vice Chancellor for Education, Arts and Social Sciences, Professor Kurt Lushington said the winners of the awards were outstanding examples of how understanding can be built and nurtured.

"Brad has committed a great deal of energy and personal time to developing the Welcome to Australia movement which is now operating in six cities and has a wide and growing network of volunteers and more than 80 high-profile ambassadors," Prof Lushington said.

"His dedication to bringing people of all backgrounds together and developing a positive and peaceful narrative about immigration, multiculturalism and refugees is an example to us all.



"Meanwhile the Brisbane Eidfest – held on the Saturday following the end of Ramadan – is supported by both the Brisbane City Council and the State Government and attracts thousands of Muslims and non-Muslims each year.

"The Queensland Eidfest is an example nationally of how to present a vehicle for cultural engagement that enhances both understanding and learning."

For more information, read the related [media release](#).

The mix of history, science and conservation a win for design student

Nineteenth-century natural history etchings and a simple, elegant design have won UniSA alumna Emily Arnold a distinction in a national graphic design competition for students.

Arnold's design for an annual report for Zoos SA, which features Victorian-era botanical and zoological illustrations, made her one of eight national finalists in the 2014 Australian Design Biennale Student Awards. She completed the design in the final year of her Design (Visual Communication) degree.



The Zoos SA Annual Report design by Emily Arnold.

The award, established by the Australian Graphic Design Association, is the nation's leading accolade for entry-level designers.

"I think it's great to benchmark yourself against the nation's students," Arnold said.

"I liked bringing together the new and the old in the design – I liked that the zoo was not just about the animals but also about the history, the science and the conservation."

Arnold said she was also pleased that so many other UniSA students did well in the national competition.

Between them, Arnold and fellow UniSA Visual Communication students Hayley Green and Alysha Menzel garnered eight nominations across the Identity, Print, Packaging and Craft categories.

Arnold is currently working at Adelaide design firm Woodscannon but would like to work overseas in the future.

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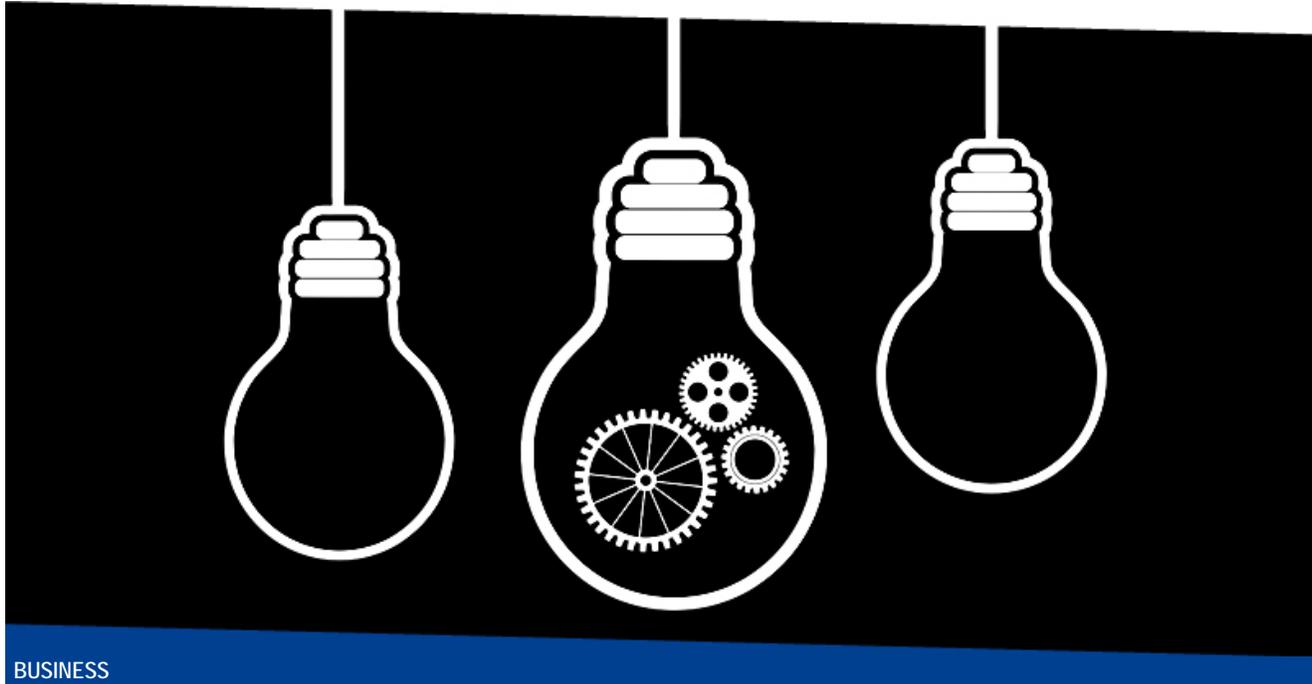


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Baby boomer entrepreneurs

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by Will Venn



BUSINESS

It's a common perception that innovation and entrepreneurship are the preserve of the young, but a new venture in South Australia is about to show that age is no barrier to creative business success.

SeniorPreneurs in South Australia is a new networking organisation for the over-55s, aimed at inspiring and showing how the baby boomer generation can turn their enterprising dreams into business reality, to benefit themselves and the wider community.

Dr Peter Balan, senior lecturer in Entrepreneurship at UniSA, has teamed up with Bambi Price, who piloted SeniorPreneurs in Melbourne in 2014.

SeniorPreneurs is being launched this month with funding from the SA Office for the Ageing, with mentoring support from The Australian Centre for Social Innovation. There are a series of monthly events planned throughout 2015, in which speakers will talk on topics related to the development and successful marketing of business ideas.

Dr Balan believes that SeniorPreneurs will give mature-age workers and retirees a healthy dose of confidence to realise their own dreams.

"There's a misconception that entrepreneurs are mainly hip youngsters whose fingers skate over keyboards easily and are up with the latest technology, but a study by the Kauffman Foundation in the United States published last year has found that most entrepreneurs are over the age of 40," Dr Balan says.

"That's logical because one of the requirements for identifying a good business opportunity is a lot of tacit knowledge, and generally entrepreneurs have at least 10 years of knowledge of a technology, a marketplace or a process.

"It is that knowledge that allows them to see something happening and identify an opportunity to set up a venture

to take advantage of that business opportunity.

“The same applies in social enterprise areas where they identify a community need. Social entrepreneurs know how to respond to a need in the community.

“The older demographic has been very largely ignored, but this group has a huge amount of experience, life knowledge, contacts, networks and the ability to establish relations with people – as long as they have the right advice and encouragement.”

Dr Balan identifies several reasons why members of the older generation are motivated to be entrepreneurial, from wanting to supplement their retirement benefits to having the time to use the knowledge they gained in the workforce to start a new venture, or wanting to give something back to the community.

Aligned to this is the socio-economic landscape of South Australia, where rising unemployment, an ageing population and a decline in the traditional manufacturing industry spell out a need for a more adaptive, flexible, innovative workforce.

“I know people who have spent years in business and with their knowledge they should be able to start a new enterprise. My overall view of South Australia is that it has all the attributes to become an incubator state to foster entrepreneurs,” Dr Balan says.

The level of support that Dr Balan has secured from organisations including Microsoft, the City of Adelaide and PricewaterhouseCoopers in setting up SeniorPreneurs is a nod from the wider business community regarding the value of the venture.

Further evidence of support for this initiative comes from the significant number of people who have already signed up to attend meetings via the SeniorPreneurs Meetup website.

It’s also a venture that will be monitored and evaluated over the coming months, with research data building a bigger picture of the state of entrepreneurship in South Australia.

A leap of faith is how SeniorPreneur Carolyn Palliardi (pictured right) describes her decision to start up a new business in her fifties.

As a mum of teenagers she decided to create her own brand of deodorant: 808 DUDE, using natural skincare products, designed and marketed for teenagers.



Despite not having a business background or knowing much about retail profit margins and price settings when starting the business, Palliardi’s initiative has resulted in 808 DUDE carving a niche in the marketplace as a natural organic grooming range for teen boys with a product range that has expanded to include face wash, shampoo and body wash.

“Positivity, the ability to learn from mistakes and the importance of networks have all been essential in developing the business,” Palliardi says.

“I’ve never seen age as a deterrent to starting a business. I’m in good health and, having done research about the market I was about to enter, I took the plunge.

“I’ve learnt so many steps along the way and to be able to talk to people, to get feedback and to not be afraid to ask for help along the way; these are the things that have helped to grow the brand.”

The value of supportive networks that Palliardi credits is echoed by Dr Balan, who emphasises that entrepreneurship is about connectivity and teamwork and that is what SeniorPreneurs SA will aim to foster.

To find out more or to get involved in SeniorPreneurs, go to the SeniorPreneurs [Meetup page](#).

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University of
South Australia

Big dreams, big bike, big win

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by Michèle Nardelli



COMMUNITY

Many of us have done it as children – as we pored over the latest edition of the *Guinness Book of Records* or 'world's strangest facts' – we have wondered what it would be like to walk in the world's tallest shoes, grow the longest beard or live in the house with the world's longest address.

That same spirit of adventure and wonder has driven a partnership between UniSA and Santos to create the world's longest bike – to imagine it and then to make it happen.

The work to design and create the world's longest bike has taken nine months and has given UniSA engineering students a proving ground for theoretical ideas.

The huge bike, just shy of 42 metres in length and weighing 2.5 tonnes, may not be the sleekest of cycles, but it had to meet some important set criteria and come in under a fairly tight budget.

The aim of the venture was to design and construct a bike that could carry the weight of all the riders, had only two wheels, and could be powered by a traditional chain and pedal mechanism. It also needed to travel 100 metres or more to snatch the world record.

The student design team's challenge was to beat the previous record holders, a group of engineering students from The Netherlands who constructed a bike of 28.4 metres.

When the big day came, on the eve of the start of the 2015 Santos Tour Down Under (TDU) in Adelaide, the record attempt was not without some drama.

Because of the camber in road surface, the massive bike tipped over just a few seconds after the first pedal rotation.

All 20 riders managed to jump clear and were relatively unscathed, and the decision was made to give it one more go.

“We had already done the ride before on campus and we knew that it could be achieved but we needed to have the officials present to secure the record,” one student said, “so there is no way we wanted to give up.”

Forklifts were called in and the delicate process of righting and repositioning the bike began.

As a precaution the cycling team was whittled down from 20 riders to just seven, and with local TV cameras rolling and now a larger and more enthusiastic audience – they made it.

UniSA took the record for the world’s longest bike, smashing the previous record by some 16 metres.

As one of the record-breaking crew, UniSA Vice Chancellor Professor David Lloyd said the project had been a bit nerve wracking, but exhilarating.

“Everyone did a great job today and picked themselves up after the false start with real determination to get the record,” Prof Lloyd said.

“The whole project has been a fantastic example of great teaching and great partnership (with Santos) and I’m really thrilled for all involved that it has been a success – we ‘got back on the bike’, tried again and we were successful.

“Engineering is about imagining what is possible and then bringing together the best technical expertise to make it so – it is creative, challenging, reflective and incredibly rewarding. I feel quite lucky to have shared this experience with our engineering students.”

The world’s longest bike may not win a beauty contest, and it certainly can’t break any land speed records, but it proved a draw card for hundreds of visitors to the TDU Village, who were keen to hop on, have their photos taken and get that quirky thrill from having been up close to something truly unique in the world.

With the TDU over for 2015 the bike will be on display at UniSA’s Mawson Lakes campus, and you can look out for a record of the ride in the next edition of the *Guinness World Records*.

You can watch the world record ride on [YouTube](#).

Young guns upstage the Tour



Team UniSA-Australia’s Jack Bobridge wins the first stage of the Santos Tour Down Under. Photo: Regallo.

The 2015 Santos Tour Down Under (TDU) has been one of Team UniSA-Australia’s most successful ever.

Team UniSA was the only team in this year’s race to secure two stage wins, with Jack Bobridge winning Stage 1 in Campbelltown and Steele von Hoff taking out Stage 4 in Mount Barker.

South Australian rider Bobridge wore the leader’s ochre jersey for two days, and won the King of the Mountain (KOM) jersey classification after putting in an incredible performance for his hometown across the week.

Team UniSA ambassador Pat Jonker, who won the Tour for Team UniSA in 2004, was thrilled with the team's performance.

"It's the most successful UniSA team we've had ever in my opinion," Jonker said.

Team Manager Dave Sanders echoed Jonker's sentiments, saying he was extremely pleased with the team's performance.

"We came here with Plan A: to win a jersey and Plan B: to win a stage. To win two stages and a jersey and in the dramatic way we did it – it was fantastic. It was a really good week," Sanders said.

In recent years, Sanders has ensured that Team UniSA was always represented in breakaways and has had success in individual classifications, such as the Young Rider classification. But stage wins are harder to come by, with the last stage win being Will Clarke's solo effort to victory in Stirling in 2012. At the time, that win was the first in five years for a team that has ridden the TDU since 2001.

For all the highlights from this year's TDU, go to the Team UniSA-Australia Supporters' Club [website](#).

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New York Times eyes Samstag

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by Rosanna Galvin



INSIDE UNISA

Fresh from securing a place in the *Lonely Planet's* 'Top 10 Best in Travel' last year, Adelaide has again hit headlines internationally, this time making the *New York Times* '52 Places to Go in 2015' list.

And UniSA's own Anne & Gordon Samstag Museum of Art and its role in the Art After Dark initiative in Adelaide's West End was highlighted as a drawcard, reinforcing the Samstag Museum's position as an art gallery of growing significance nationally and internationally.

The prestigious reference coincides with the launch of the Samstag Museum's impressive 2015 program of exhibitions, which Samstag Museum Director Erica Green refers to as "one of the best programs ever".

"We have always tried to be original with our exhibitions and events and to devise a program that is not just curatorially distinguished, and maybe a bit unexpected and different, but also of genuine interest to Adelaide's growing audience for contemporary visual arts," Green says.

"I believe every single one of our projects this year has a 'must see' feel about them.

"Our goal is to challenge, inspire and stimulate visitors, artists and other arts professionals through our exhibitions and we're really proud that this is being recognised internationally.

"We're thrilled with the nod from the *New York Times* – it was totally unexpected but it's a wonderful announcement to herald in our 2015 program."

The 2015 program kicks off this week with *do it (adelaide)*, an internationally inspired project conceived by European curator Hans Ulrich Obrist. It is the latest incarnation of the global project, in which instructions by international artists such as Yoko Ono, Sol Le Witt and Tracy Emin, are brought to life by local artists, musicians, designers, students and museum visitors.

Other highlights in the Samstag line-up this year include the *Basil Sellers Art Prize 4*, *Birth of the Cool*, *Geoff Wilson: Interrogated Landscape*, and new moving image installations for the Festival of Contemporary Aboriginal and Torres Strait Islander Art in association with the Adelaide Film Festival.

Green says this year's program continues the tradition of putting on high-calibre exhibitions that audiences can both enjoy and engage with.

"Over the years, we have presented a diverse range of contemporary art exhibitions, as well as art of the past that has relevance for us today," she says.

"Several of these exhibitions have really helped put us on the map in terms of contribution to Australian visual arts culture – ambitiously conceived by artists of renown.

"These exhibitions include Shaun Gladwell's *Field Recordings* and Roy Ananda's *Slow Crawl to Infinity* in 2014; Laurie Anderson's *The Language of the Future Selected works 1971 – 2013* for the Adelaide Festival and a moving image installation by acclaimed media artist Daniel Crooks in 2013; *Master of Stillness: Jeffrey Smart paintings 1940 – 2011* in 2012; and award-winning filmmaker Warwick Thornton's 3D moving image commission *Stranded* for the 2011 Adelaide Film Festival."

To see the full list of Samstag exhibitions and events happening in 2015, go the Samstag Museum [website](#).

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Bem-vindo to Brazilian students

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COMMUNITY

The Brazilian Science without Borders (Ciência sem Fronteiras) program will see the number of Brazilian students at UniSA increase to more than 100 this year, as a new Latin American flavour comes to Orientation Week (O-Week).

Most of the students who have received scholarships through the Brazilian government program are studying science, technology, engineering and mathematics (STEM) subjects and at UniSA this extends to include disciplines such as architecture, health sciences and product design.

Nigel Relph, UniSA's Deputy Vice Chancellor of International and Advancement UniSA, says the outcomes the program creates are beneficial for the attending students and the wider University community.

"The University is delighted to host this group of excellent students from Brazil," Relph says.

"Previous Science without Borders students have performed very well in their studies but have also made a really positive contribution to student life at UniSA. I am sure this latest group of students will be as much a credit to the program.

"Partly as a result of this experience of hosting Brazilian students, UniSA will be focusing even more on engagement with Brazil in the coming years."

The University's growing reputation as a global institution was reaffirmed recently when UniSA moved to number 56 on the *Times Higher Education's* 100 most international universities in the world 2015 list.

The support that is offered to international students who travel to UniSA is designed to help them settle in and discover what the University has to offer.

That support includes airport pick-ups, tailored orientation programs and the presence of international student officers who are located on each campus available to help international students with questions or concerns.

Support and friendliness are the key words that industry and engineering student Saulo Vidigal Maciel uses to

describe his first six months studying at UniSA.

Saulo, who has swapped Belo Horizonte in Brazil's south east to live in Payneham, came to study at UniSA after hearing about the experiences of others who had been here.

"The support and responses from the academic staff has really helped me in my course. The city of Adelaide is very beautiful – the people are warm here," Saulo says.

"Being able to study strategic management, business intelligence and to learn entrepreneurial skills will help me as I hope to one day have my own business related to engineering.

"The BBQs are different in Australia though; there are lots of sausages here but there is no Pao de Queijo (Brazilian cheese bread) and I miss the samba, but then there is the coast and the beaches."

UniSA will host a number of welcome events for international students from February 16 to February 20 and the University-wide O-Week will take place from February 23 to 27.

New students sample uni life at O-Week

Thousands of new students will begin their journey at UniSA at the end of this month and for many of them, O-Week will be their first introduction to university life.

Anne-Marie Parsons, Deputy Director of Student Experience and Support Services at UniSA, says O-Week introduces students to campus life, to fellow students, to their program and to the multitude of resources and support available at the UniSA.

"The focus for the 2015 Orientation is for all students, no matter what program or campus, to have the same great orientation experience," Parsons says.

"This year students will be invited to attend two days – their Program Day and a Campus Day. The Program Day allows students to become familiar with the academic requirements of their program and provides the opportunity for networking with their peers and the staff that they will be working with over the coming years.

"Meanwhile the Campus Day invites all new students from the respective campuses for a day of interactive information, exposure to extra-curricular activities and all things fun. This informal day allows students to attend information sessions, explore their campus, learn about the services and supports available from both inside and outside the university, and celebrate the beginning of their uni life with entertainment, free food and plenty of giveaways."

This year's O-Week will be enhanced by the new University of South Australia app. The app currently has a particular focus on orientation however features such as student timetables, course information, study notifications, campus room bookings and personal print quotas will be released in March. To download it, search 'University of South Australia' on the Apple Store, Google Play or Windows Store.

For more information on O-Week, go to unisa.edu.au/o-week.



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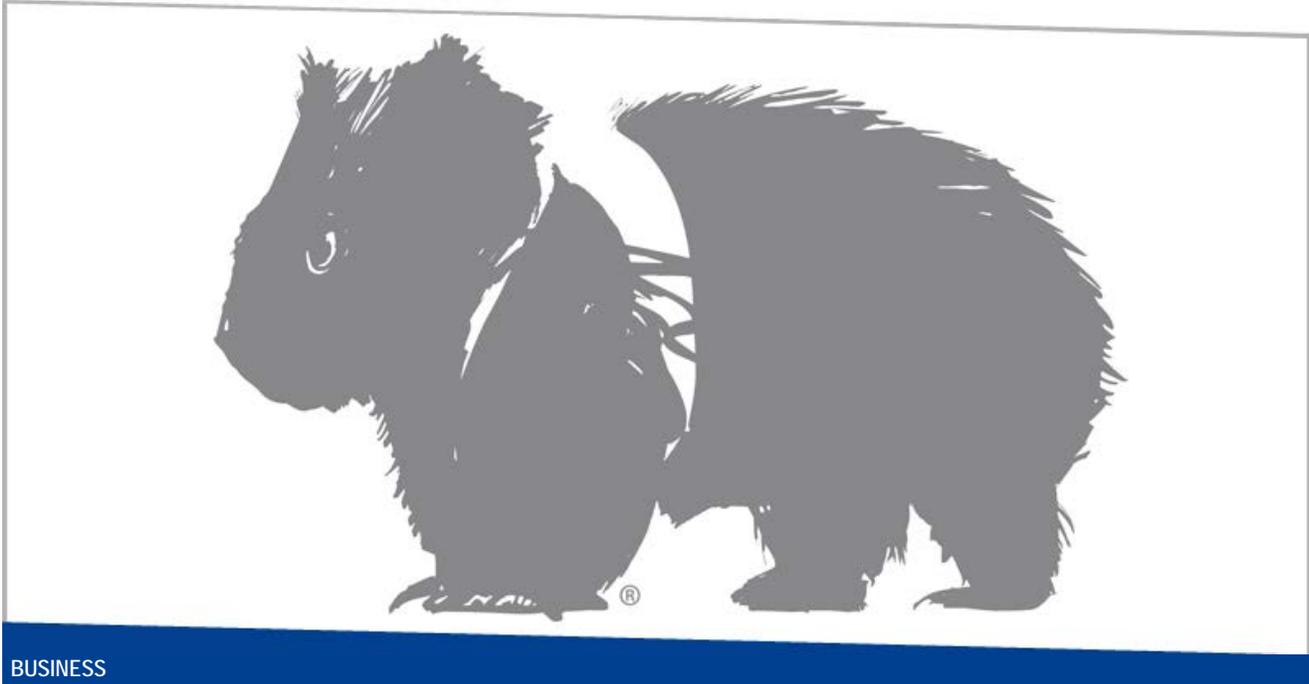


**University of
South Australia**

Wounded wombat a winner

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by Ron Hoenig



BUSINESS

Which organisation does a drawing of a bandaged wombat suggest to you?

This is one of the consumer research questions that three final-year students from UniSA's School of Marketing devised in their market research for the South Australian branch of the Royal Society for the Prevention of Cruelty to Animals (RSPCA).

For six months last year, students Lauren Crozier, Kimberly Goh and Tanya Pollifrone were based at RSPCA's Stepney office working on two market research projects. One project focused on marketing strategies for the organisation's thrift shops, and the other looked at how people support the RSPCA.

With support from their UniSA project coordinator Dr Karen Nelson-Field and lecturer Quin Tran, the trio spent several weeks formulating a research strategy.

Dr Nelson-Field says practical projects, based in real industries, are invaluable for students in the final stages of their studies.

"They have a solid couple of years of theory under their belts and this program is a chance to apply that knowledge in a real business with a genuine need for market research and strategy," she says.

Only the top 20 of the School's students have the opportunity. They have to apply for the internship and go through an interview process. They are then supervised by experienced professional staff.



(L-R): RSPCA Marketing and Communications Manager Peter Ferguson, student interns Lauren Crozier and Tanya Pollifrone, and Ehrenberg-Bass Institute researcher Dr Margaret Faulkner.

“It’s a win-win-win. It’s a win for the students, it’s a win for RSPCA and it’s a win for UniSA,” lecturer Tran says.

RSPCA South Australia Brand Marketing and Communications Manager Peter Ferguson agrees.

“We now have pieces of research which provide an evidence base so we can move forward with solutions,” he says.

The students analysed RSPCA’s five thrift shops, looking at which particular segment of the population is using them and why, and how it might be possible to appeal to another demographic cohort. For example, how to encourage younger people to use the thrift shops for retro fashion.

“The students were able to get out and do some hands-on work in the community,” Ferguson says.

The students ran in-depth interviews and in-store surveys with consumers at Lonsdale and three suburban shops in the city. They also devised and ran an online survey with more than 500 responses to understand support of the RSPCA and use of its services.

“They confirmed some things that we expected, but their study also cast some light on potential barriers to do with adopting animals,” Ferguson says.

“They found that some people were unclear about the process for adopting animals and so they might just go to a pet store.”

The students’ research accompanied a professional research project with UniSA’s Ehrenberg-Bass Institute for Marketing Science, which was led by Dr Margaret Faulkner and Dr Virginia Beal.

They examined the brand awareness, image, and benchmarking of the RSPCA’s level of support in the charity sector.

“The RSPCA operates in a very competitive marketplace, as there are many charities seeking support,” Ferguson says.

“Fortunately, the RSPCA has strong recognition of its name and logo, both prompted and unprompted, and also has a number of elements uniquely linked to the brand and known by many charity supporters.

“People recognised things such as the tag line ‘All creatures great and small’, and the bandaged wombat as a symbol for the RSPCA.”

Results showed that the RSPCA has strong recognition and interest from people who donate to charities, putting them in the same league as St Vincent de Paul and the Heart Foundation on many brand indicators.

The Ehrenberg-Bass Institute’s research also looked at awareness of RSPCA services. Many know of their animal shelters, with half of those surveyed aware of the cruelty report line (1300 4 RSPCA).

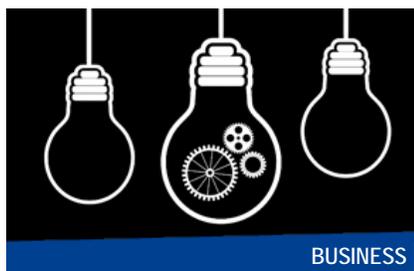
While many South Australians are aware of the *Adoptapet* website, the potential to increase usage of the site was confirmed.

“The RSPCA is a great example of how an organisation can combine UniSA student projects with Institute research to better understand their brand and the market they operate within,” Dr Faulkner says.

The students wrote a 7000-word marketing plan and presented their findings and recommendations to RSPCA staff in November last year. Drs Beal and Faulkner presented the paid research from the Ehrenberg-Bass Institute the next day.

RSPCA South Australia is now developing action plans to respond to the key research findings.

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University of
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Remote areas ultrasound imagines better future for Aboriginal mums

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by Ron Hoenig



HEALTH

In most Australian pregnancies, problems which could result in the death or illness of newborns can be easily recognised with ultrasound and managed by skilled practitioners.

But in Australia's remote regions, many Aboriginal women have a much higher rate of these problems than other Australian women. According to UniSA Program Director of Medical Sonography Dr Nayana Parange, these women are often unable to access ultrasound examination in pregnancy.

"Very often the shortage of skilled personnel in remote communities to diagnose these problems and manage them effectively means ultrasound has been just another expensive 'luxury' for many Aboriginal families in remote Australia, especially the Northern Territory," she says.

"A little more than 70 per cent of the Northern Territory Aboriginal population live in very remote communities outside the two urban areas of Darwin and Alice Springs, so the most basic services might not be available locally.

"There is also a shortage of usable equipment, lack of travel funding for patients and lack of ultrasound training among local health professionals."

In addition, many communities do not have resident midwives or GPs, or they can only access these services by air. During the wet season small airstrips may be flooded, resulting in even greater isolation.

Dr Parange says because so many Indigenous births are preterm or small for dates, it's vital to accurately predict the gestation age of the foetus, so that mothers can be referred to larger, better-resourced centres for delivery.

"Although Australia is a first world country, these challenges can be third world or even fourth world in some instances," Dr Parange says.

“There are so many other complexities including socioeconomic factors, inadequate education, language barriers, racial prejudices, and high-risk and health-related behaviours which contribute to the wide gap between Aboriginal health and the rest of Australia.”

Now a pioneering program, initiated by Dr Parange and two colleagues, is helping to close that gap.

Dr Parange, Adelaide obstetrician, gynaecologist and ultrasound clinical subspecialist Dr Karen Shand, and Darwin obstetrician gynaecologist Dr Sujatha Thomas worked with a national team of ultrasound experts to develop the initiative which will make medical ultrasound more accessible in the most remote regions of Australia.

The first outreach workshop was held in October last year, providing ultrasound training to 20 midwives and a GP working in Northern Territory communities to help meet Australian national antenatal care guidelines.

Dr Parange says training remote midwives and GPs will enable them to deliver improved point-of-care services and encourage women to present early for a dating scan and antenatal booking.

The group hopes to develop a model for training health professionals in remote areas and to evaluate it so it can be replicated across the country.

The Australasian Society for Ultrasound in Medicine (ASUM) has also introduced and implemented accreditation for ‘point of care’ scanning by midwives.

“Our aim is to develop training and credentialing within a unified national framework in a rural, remote and Indigenous context,” Dr Parange says.

The project has gained strong support from the International Society of Ultrasound in Obstetrics and Gynaecology, ASUM and the ultrasound industry.

Meanwhile medical imaging company Sonosite shared portable ultrasound machines, and Vimedix and Medical Synergies provided obstetric simulators for transabdominal and transvaginal training.

“This was very exciting for us, as we were able to incorporate simulator training along with hands-on training on real patients at the same time,” Dr Parange says.

“We covered all the topics pertinent to basic-level scanning in a ‘point of care’ situation.”

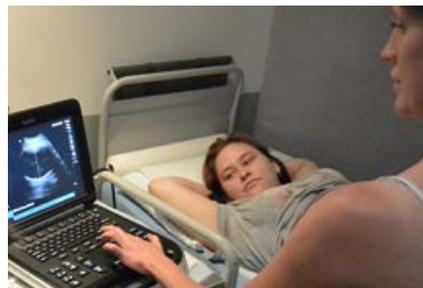
A follow-up hands-on session has also been scheduled four months down the track, to reinforce the practical skills, review the performance and audit the images. Dr Parange says the session will give the group a chance to establish where the training needs to head to achieve the project’s aims.

Dr Parange and her colleagues are now planning a similar workshop in Whyalla this year, aligning with the UniSA Division of Health Sciences Indigenous strategy to respond to the UniSA Reconciliation Action Plan.

Dr Parange is an ultrasound expert with extensive experience in rural health, including 10 years as an obstetrician, gynaecologist and sonologist in rural India, where she also helped upskill doctors in remote settings. Having volunteered in Ghana, Papua New Guinea and remote parts of Indonesia, she has also run workshops to help train GPs in ultrasound techniques in rural Australia.



The workshop facilitators: (L-R) Roger Weckert, Clare Whitehead, Russel Carter, Karen Shand, Sujatha Thomas, Nayana Parange, Martha Finn and Amanda Grauze.



Participants at the outreach workshop in Darwin.

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University of
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Remembering the Cods

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by Ron Hoenig



HUMANITIES

The Murray Cods rowing crew.

It's 1924 and crowds of thousands line the banks of the Port River to cheer two teams of rowers battling for the right to represent the nation at the upcoming Paris Olympics.

The crowd chants: "Paris or the Bush! Paris or the Bush!"

The dark horse in this battle, but the crowd favourite, is a crew of working class champions from Murray Bridge in South Australia piloting a rickety boat with an unlikely moniker – the Murray Cods – and a stuffed fish as their mascot.

The crew of firemen, engine drivers and manual labourers from the thriving river town have been causing havoc in the genteel world of rowing since 1908, aside from a break for the war.

The Cods' uncouth but natural Australian style has been upsetting the crews from the best gentlemen's clubs, and their journey culminates in winning the opportunity to represent the country at the Paris Olympics of 1924.

Now in 2015 their lives and achievements are being researched, re-remembered and re-created through a new film being developed for cinema release in June this year by seasoned film-maker Wayne Groom and digital documentary maker and researcher, UniSA lecturer Dr Carolyn Bilsborow.

The partnership grew out of Dr Bilsborow's thesis and its accompanying film titled *Inside the screen: engaging the contemporary documentary audience*.

"I thought about what digital media can bring to the documentary experience for the audience," Dr Bilsborow says.

"In the 21st century, people can make a documentary about anything they're interested in. They are not dependent on professional skills or

distribution.”

Digitalisation has made this more intimate form of documentary possible. Groom likens the revolution in documentary to the French New Wave of the late 1940s and 1950s.

“Carolyn is riding a new wave,” he says.

“In the past, I would have needed a \$250,000 camera and huge lights. Now we don’t need all that; we’ve got the community and digital cameras that operate in natural light.

“Through Carolyn’s documentary she showed me we don’t need all the paraphernalia of the past; we can tell a private story that’s really powerful and professional.”

Groom says he has also discovered the value of having an academic as a partner. Dr Bilsborow’s research skills made it easier for Groom to find stories about the Cods through sources like newspaper articles in the National Library’s Trove site.

“We’re finding the process so satisfying and as we piece together the story in our heads, these Cods are coming alive for us again and we feel like we know them,” Dr Bilsborow says.

“We get the opportunity and the privilege of meeting all these people who invite us into their lives and tell us their stories.”

The duo have embraced crowdfunding to support the film. Through the film’s website and Facebook page, they are raising money, developing contacts and keeping their supporters updated.

“We have over \$90,000 now on a budget of \$250,000,” Groom says.

“It’s more of a personal approach to crowdfunding. People are giving and not expecting a return.”

Groom says people have been coming forward with information about the Cods including photographs, letters and half-remembered memories of descendants.

The Murray Bridge Council and community have also quickly understood the impact it could have on the town – they’re celebrating a story that no other town has got.

For seasoned film professional Groom and researcher Dr Bilsborow, the film is more than a project.

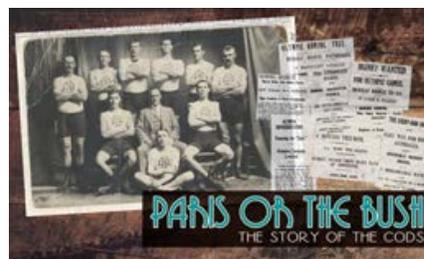
“We’re the custodians of this story,” Dr Bilsborow says.

“Nobody else knows the story the way we do. There’s a lot of myth out there, but we can tell our truth about it.”

For more information on the film, go to the [Facebook](#) page.



Wayne Groom and Dr Carolyn Bilsborow discuss the advantages of a digital movie camera.



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Harnessing energy in a bid to lower CO2 emissions

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by Aleisha Johnston



SCIENCE AND TECHNOLOGY

(L-R) Esther Galindo (University of Barcelona), Dr Martin Belusko (UniSA), Dr Kevyn Johannes (University of Lyon) Associate Professor Frank Bruno (UniSA) and Dr Ming Liu (UniSA).

Researchers from UniSA's Barbara Hardy Institute are part of a new international research project that aims to reduce climate-damaging CO2 emissions through the use of low-cost energy storage.

Known as INNOSTORAGE, the project is set to make breakthroughs in energy storage technologies that could be commercialised for both domestic and industrial use.

UniSA's Associate Professor Frank Bruno says the project will bring together experts from around the world in a bid to develop an environmentally friendly and low-cost energy storage solution for the future.

He says the UniSA research team's contribution to the INNOSTORAGE project will focus on the use of Phase Change Materials (PCMs).

"PCMs are one of the most promising thermal storage technologies," Assoc Prof Bruno says.

"PCMs are materials which are able to store and release large amounts of energy when they melt and solidify at a certain temperature. PCMs can absorb and release heat when the material changes from solid to liquid, and vice versa.

"This technology is likely to provide a low-cost, improved energy storage solution that can support the expansion of renewable energy, which will help reduce energy cost and CO2 emissions."

Over the next four years, researchers will evaluate different energy storage systems using PCMs. They will look at common PCMs such as paraffin, salts and fatty acids, because these substances have high energy storage capacities within a small temperature range.

Assoc Prof Bruno says UniSA has already undertaken significant research into PCMs.

“We have already commercialised our PCM research for the refrigeration industry. We hope to make improvements to this commercial research and expand it to other areas such as air conditioning and solar power plants,” he says.

As part of the research project, UniSA will host leading international experts in the field of energy storage. The project will also involve joint workshops and collaborations, as well as providing UniSA staff with opportunities to teach and conduct research in Europe.

Leading the INNOSTORAGE project is the University of Lleida in Spain, with a total budget of €142,800 (AU\$202,540) from European Union funds.

Joining the project are more than 30 experts from around the world, thanks to the Marie Curie International Research Staff Exchange Scheme. These researchers will bring together a body of knowledge from a number of international universities, including the University of Barcelona (Spain), University of Lyon (France), Ben-Gurion University of the Negev (Israel), University of Auckland (New Zealand) and Auburn University (USA).

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Partnership scores goals for basketball in SA

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by Michèle Nardelli



HEALTH

The University and Basketball SA have formed a new partnership set to give the local basketballers an edge in developing fitness and elite performance and provide researchers increased real-world knowledge about elite-level sports education and training.

The partnership will see UniSA staff and health science students become an integral part of the basketball program, learning from the experience of interacting with athletes in high-performance environments.

The agreement coincides with the announcement of a new dedicated PhD scholarship to be funded by Basketball SA and supervised by top sports researchers at UniSA – Dr Grant Tomkinson and Professor Roger Eston. The scholarship will underpin new research into high-performance player development, training and talent identification.

UniSA Head of the School of Health Sciences, Professor Roger Eston says the relationship is invaluable for students and researchers at the University because it offers a real-world setting to investigate the critical health and anthropometric factors that influence high performance in athletes.

“We also expect that the research undertaken as part of the High Performance Program will have invaluable flow-on benefits for Basketball SA members and clubs because we can share knowledge about best practice in training and athlete development.

“It is an exciting, mutually beneficial partnership that should spearhead real innovation and new knowledge for the sports community.”

Under the partnership agreement high-performance athletes, including basketball athletes in the National Intensive Training Program (NITP) from ages 14 to 20 years, will have access to facilities and services that are usually reserved for those in professional sports.

Basketball SA CEO Mark Hubbard says he is thrilled with the new partnership.

“We know that UniSA is not only one of the leading national universities, but has an exceptional reputation in sport and health science research,” he says.

“Its commitment to high quality research in sports science is invaluable and ensures our High Performance Program will be successful and sustainable. We look forward to developing and strengthening our relationship with them over the coming years.”

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UniSA is now home to one of the biggest archival collections relating to the Downer family and its role in Australia's political and social history over 100 years. Alexander Downer is pictured above at the launch event.



Nearly 50 students attended this year's Pitjantjatjara Language Summer School, which is hosted by UniSA's David Unaipon College of Indigenous Education and Research. The Summer School provides both university students and members of the wider community with an introduction to the Pitjantjatjara Language. Indigenous tutors travel from the APY Lands to teach the course at Magill campus as a part of their formal studies towards becoming Indigenous language teachers.



More than 700 UniSA students from around the world graduated in December's graduation ceremonies. View more highlights from the graduation ceremonies at UniSA's [Facebook page](#).

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