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October 2015

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## Leading research chemist to drive UniSA's Future Industries Institute

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by Michèle Nardelli



### INSIDE UNISA

Building an entrepreneurial research culture and fostering industry engagement will be critical to the development of UniSA's Future Industries Institute (FII), according to the Institute's new Director, Professor Emily Hilder.

The announcement that the leading Australian research chemist and influential scientist would take up the position at FII was made by UniSA Vice Chancellor Professor David Lloyd last month.

Currently Director of the Australian Research Council (ARC) Training Centre for Portable Analytical Separation Technologies and Head of Chemistry at the University of Tasmania, Prof Hilder's research focuses on the design and application of new polymeric materials for use in a wide range of industrial settings, including the application of these new technologies for bio-analysis and disease diagnosis.

"My passion for research has always been inspired by the need to resolve real-world issues," Prof Hilder said.

"So I'm excited about the opportunity that this role provides to lead the development of our best young researchers for careers outside academia and to contribute to a transformation of industry in Australia at the same time."

Prof Hilder said there was great room for Australia to improve the way it translates research into practical outcomes and in increasing the number of businesses collaborating with universities and research organisations.

"In a general sense Australia has developed a risk-averse culture that tends to stifle entrepreneurship," she said.

"We need to better communicate that there is no lack of talent in our universities and businesses.

"By embedding an entrepreneurial research culture and supporting and rewarding greater engagement with

industry and end-users, I'm confident that FII will be able to address these challenges."

Prof Hilder has won awards and acknowledgements for her research around the world including Tasmania's Young Tall Poppy in 2009 and the LCGC (North America) Emerging Leader in Chromatography for 2012. In 2013 she was named in *The Analytical Scientist's* inaugural Power List of the World's 100 Most Influential Analytical Scientists.

Prof Lloyd said he was delighted to welcome someone who not only brings great research experience to the job, but a person who understands how to inspire researchers and how to connect with industry and the end-users of research.

"FII is the University's largest single investment in research and we want the Institute to become South Australia's go-to destination for innovation relevant to industry," Prof Lloyd said.

"Just last year Prof Hilder was included in *The Analytical Scientist's* 'Top 40 under 40' Power List and she is already a Fellow of the Royal Australian Chemical Institute.

"She has published 124 publications including book chapters and journal articles and since 2004 has secured almost \$17.3 million in competitive grant funding from the ARC.

"Her career reflects not only her passion for science but also her capacity to lead, to be creative, and to work collaboratively with industry.

"She is keen to nurture new talent and to work productively with the very experienced teams she will have around her at the Institute, and through the significant partnership we have forged with University College London (UCL)."

UniSA Deputy Vice Chancellor: Research and Innovation, Professor Tanya Monro said the appointment of Prof Hilder set the stage for exciting developments at FII.

"Prof Hilder brings a rather rare balance of academic achievement and pragmatic and powerful industry engagement that will be so important to the Institute," Prof Monro said.

"She is the right person to lead the Institute as our researchers help to transform existing industries, provide the innovations to create new ones, and support the growth of more high value jobs in Australia."

Announced in April with the signing of a memorandum of understanding with UCL, FII brings together and builds on the established research capabilities and reputation of the former Ian Wark Research Institute, the Mawson Institute and the Centre for Environmental Risk Assessment and Remediation, and extends into other complementary research capabilities within the University.

Through national and global research partnerships in new technologies, the goal for the Institute is to undertake global research inspired by real-world issues and to attract leading collaborators and engage new talent by including opportunities for research fellowships and higher degree research scholarships, providing a pipeline for the development of talented engineers and scientists.

Prof Hilder will take up the position as FII Director in early 2016.

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## Major milestones for Whyalla and Mount Gambier

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by Will Venn



INSIDE UNISA

Artist's impression of the Mount Gambier Learning Centre

UniSA's Mount Gambier and Whyalla campuses have cause to celebrate this year, as Mount Gambier Regional Centre reaches its 10-year milestone, while a special Whyalla Campus Reunion Dinner this month, will mark 50 years since the opening of the South Australian Institute of Technology (SAIT) building in Whyalla.

The physical presence of UniSA's antecedent institution in this region provided the first footprint in a 50-year journey which has seen Whyalla's regional growth and success become more entwined with the educational, research and employment opportunities UniSA has created there.

As the Whyalla Steelworks were being completed, the first courses being offered by SAIT Whyalla, in 1965, gave students the chance to study for an Associate Diploma in Mechanical Engineering, a Diploma in Accountancy, or a Certificate for Electrical Draftsmen.

Business, nursing and applied science were among the subjects that students could study when UniSA's Whyalla campus was established in 1991 and six years later in 1997 the University Department of Rural Health and the Aboriginal and Torres Strait Islander Study Centre opened in the region.



The Whyalla Campus 1965

A Regional Sustainability Research Centre, a \$2.8 million Oral Health clinic, a \$4 million investment to improve information technology and communication networks and the introduction of the Bachelor of Education are just a few of the varied highlights in Whyalla's success story over the past decade.

In 2015, the Whyalla campus officially acknowledged the Barngarla people as traditional owners of the land at a plaque unveiling ceremony, and a new Engineering Teaching and Learning Centre also opened on site earlier this year.

Paul Havelberg, who took on the Regional Manager: Whyalla leadership role this year, says the University is committed to its role in the regions, to develop Whyalla as a regional research and education hub.

"50 years on, we are still delivering education that is relevant and responsive to regional needs in engineering, health, social work, teaching, and nursing," Havelberg says.

"While maintaining close relationships with core industry partners such as OneSteel, we are strengthening existing partnerships with key health services such as the Whyalla Hospital and Centrecare.

"Service and care industries will continue to grow and we are positioning the campus to deliver graduates who understand regional needs and who have regionally-based industry experience as part of their educational programs."

It's a similar story at Mount Gambier, which, 10 years ago, saw the establishment of the Regional Centre following significant community support, pushing for local opportunities in tertiary studies.

Associate Professor Dr Judy Nagy, Associate Dean of Teaching and Learning for the Centre for Regional Engagement at the Mount Gambier Regional Centre, explains how the Centre has developed over the past decade.

"The Centre offers social work, nursing, foundation studies, some business courses and more recently early childhood and primary education," Dr Nagy says.

"Over the past 10 years the small centre has evolved and expanded beyond physical space available and a successful application to the Federal Government Education Investment Fund in 2012 has seen a \$22.5 million development project significantly expand and enhance facilities.

"The funding application again received significant community support with local councils providing endorsement and incentives as part of the process.

"The funding allowed for both Whyalla and Mount Gambier to connect to the high speed AARNET internet and for the construction of a new building in Mount Gambier."

The building is due to become the new \$12.5 million learning centre, which is expected to triple the size of UniSA's facilities in the region and is currently under construction.

"The building will be iconic in the regions with limestone and timber incorporated in the building design. It has state-of-art technologies and learning facilities capable of linking to anywhere in the world," Dr Nagy says.

"The new building will be ready for teaching in 2017 and there are plans for new programs to be offered in the future utilising flexible learning technologies. The building will also provide students with some fantastic new indoor and outdoor social spaces."

A 10-year Anniversary Alumni event at the Old Town Hall in Mount Gambier, will take place on November 27. Further details about the event can be obtained by contacting the Mount Gambier campus on 8721 8901.

For Stacey Bradley, UniSA's first professional staff member at Mount Gambier and currently a PhD candidate, the 10th anniversary of the Mount Gambier Regional Centre marks a decade of professional and personal achievements.

"I commenced working with UniSA in 2005 at the Centre as the first local professional staff member. I celebrated 10 years with UniSA last month and during my time have seen four different renovations to the Centre," Bradley says.

"I have completed an undergraduate degree in Management, a first class honours and am now almost finished a PhD with UniSA.

"I am the first member of my family to complete an undergraduate degree, let alone a PhD. While I commenced in a professional role, I now occupy academic roles with UniSA and plan to continue a career in academia when my PhD is finished."

Bradley's own story, like the regional success of Whyalla and Mount Gambier's campuses is also one of



happy beginnings rather than endings.

“One of my most life changing moments at UniSA was meeting my (now) husband during a statistics intensive course at UniSA. We met, fell in love quickly and married the following year,” she says.

“Our statistics lecturer, John Petkov, became a close friend to both myself and my husband. Ironically, now we are back where we started as my husband also now teaches at UniSA.”

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## Engineering students claim first prize in national robot battle

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by Hannah Saldaris



SCIENCE & TECHNOLOGY

Daniel Priaux, Michael Coates, Aaron Melville-Smith and Daniel Griffiths.

Autonomous robots are transforming society with recent technological advances, such as driverless cars and robot vacuum cleaners, enhancing both our lifestyles and our safety and wellbeing.

And this year, a team of UniSA engineering students has created its own autonomous robot which took out the National Instruments Autonomous Robotics Competition held in Sydney last month.

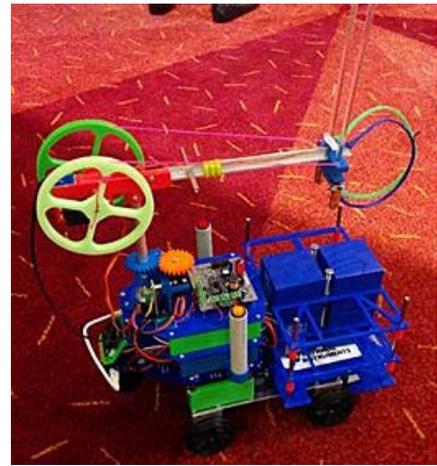
Daniel Griffiths, engineering PhD student and president of UniSA's Mechatronic and Engineering Robotics Club (MERC) co-supervised the team of undergraduate students who won first prize in the competition ahead of 21 competitor teams, taking home prize money of \$2500.

After months of planning, coding, designing and building, Daniel says the team opted for a reliable and robust robot at the cost of speed.

"Our robot makes use of laser-cut and 3D printed parts. Prototypes could be created in minutes and gave us access to unique parts for our robot design," Daniel says.

The robots were required to navigate a loading bay, collect goods, steer to drop off zones, and avoid both static and dynamic obstacles, all while optimising their performance to maximise efficiency without any human intervention.

"Our final robot used a design unique to this year's contest – by combining an electromagnet and crane in the design we reflected a realistic solution to



UniSA Robot

the autonomous cargo problem,” Daniel says.

“Our hope was that our solution could act as a scaled down prototype for a real solution.”

Daniel has competed in previous National Instruments Autonomous Robotics Competition live finals in 2012 and 2014. Now taking on the role of coach he believes that the competition provides many benefits to student participants.

“Competitions like this are a great motivator,” he says.

“It drives students to innovate in their engineering studies and build industry connections and get exposed to new ideas.”

Daniel and his fellow MERC team members actively promote UniSA’s [engineering programs](#) through their hands-on projects at major events around the State.

Head of the School of Engineering, Professor Peter Majewski says he is proud of the success of the UniSA team.

“I’d like to take the opportunity to express how proud I am of both staff and students,” he says.

“This year has proven we really are national and world leaders. I consider myself very fortunate to work with such inspiring people.”

#### The winning UniSA team included:

- Dr Russell Brinkworth – academic leader and a continuous huge support for the MERC club
- Daniel Griffiths – team leader and programming
- Mike Coates – mechanical design
- Rick Martin – electronic design
- Aaron Melville-Smith – electronics
- Daniel Priaux – mechatronics
- Greg Foord – wiring
- Daniel Morales – electronics design and technical support
- Nigel Hayes – mechanical technical support

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# news

October 2015

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## From the Chancellery

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This has been an extraordinary few months for UniSA.

We received two Australian Museum Eureka Prizes – one for Professor Tanya Monro's groundbreaking work in nanoprobe that pinpoint pathogens and cancer cells, and another for Associate Professor Frank Bruno's work developing low-cost and effective industrial energy storage achieved by freezing and melting salt.

We hired a brilliant new head of the Future Industries Institute, Professor Emily Hilder who will inspire our researchers and connect them with industry and the end-users of research. Our building programs are taking shape, and we recently announced the most generous and extraordinary gift from the estate of my late friend Sir Terry Pratchett – the largest student scholarship of its kind in the history of the University.

Sir Terry's loss is still raw but his memory will live here forever with his \$100,000 scholarship, donated in perpetuity every two years.

The scholarship will support worthy students to complete cultural research relevant to, or inspired by Sir Terry's work. It will be linked to the Hawke Research Institute's theme of identity transformations and scholarship holders will be able to study here and at Trinity College Dublin.

His gift will open a vast field for creative and sharp minds – anything from the study of satire and its impact on societal identities right through to the impact of information and communications technology in society.

We're expecting great results; results Sir Terry would be proud of.

In between winning prizes, new professor hirings and receiving great gifts, I spent almost a week in bed with bronchitis and followed that up by taking the Ice Bucket Challenge to raise money for research into Motor Neurone Disease (MND). Being on the receiving end of a drenching of ice and water and encouraging others to do so has successfully captured the imagination of crowds of people, and they have been very generous in their support.

The Ice Bucket Challenge took off only a year ago in the United States when it went viral during the northern summer. We're made of tougher stuff and do ours in the middle of winter. Since the inaugural Ice Bucket Challenge in Australia in August last year, over 60,000 supporters have donated more than \$3 million to MND Australia and state MND associations.

This year I stood with Steve Wesselingh from the South Australian Health and Medical Research Institute, Mike Brooks, Adelaide University's Deputy Vice Chancellor (Research), Rob Saint who has the same job at Flinders University and Ian Johnson, Head of Anatomy and Pathology at Adelaide University, and we all took a drenching again.

Luckily, as we were all on the lawns of that other university next to our City East campus, we were close to UniSA's newest health clinic just in case we needed an antibiotic or two. The Clinic has just opened and will provide health and medical services to our students and staff as well as the general population at little or no cost.

Like our participation in the Ice Bucket Challenge, our community clinics are all part of our mission to contribute to society. The Health Medical Clinic is a major addition to our community health clinics which now include exercise physiology, mammography, physiotherapy, podiatry, psychology and dietetic, along with the mobile allied health clinic and the health and fitness centres and pool.

Fortunately for me the ice drenching didn't have a detrimental impact on my health. Unlike the people in this [Youtube clip](#).

For next year's challenge we're looking at the entire senior management group. Men and women. There will be a website where you can donate and vote for the person you consider most worthy of the honour of getting an ice bath for charity. Vote well, and vote often.

**Professor David Lloyd**  
**Vice Chancellor and President**  
**Chair of the Australian Technology Network of Universities**

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### Breaking ground on UniSA's Great Hall

It was a ground breaking moment for the Great Hall last week as a turning of the sod ceremony set in motion the start of construction on the new \$50 million building, which will become a landmark at the heart of both City West campus and the Adelaide's West End precinct upon completion in 2017.

Situated next door to the University's award-winning Jeffrey Smart Building, the new sporting and cultural complex is expected to continue the revitalisation of the West End, providing versatile spaces for students and the wider community.

With a Welcome to Country provided by Uncle Lewis O'Brien and the first soil of the site being shovelled by dignitaries including UniSA Chancellor, Dr Ian Gould, the event was further marked with the burying of a time capsule. The capsule contained an indigenous artefact, an edition of UniSA's *enterprise* magazine from 2015, a UniSA Sports item, a donor book and a 2015 graduations book.

Those attending also had the opportunity to view the design plans of the Great Hall, including its sports complex, which will feature a 25-metre, five-lane, heated swimming pool, to be built alongside a fully-equipped gym and an exercise studio.

With a main multifunction space that can be transformed to cater for different types of events, the Great Hall will be used for graduations, exams and other functions including alumni gatherings, sports meetings, seminars and exhibitions. A mezzanine function space will also add to its flexibility as a venue.

Award-winning South Australian firm JPE Design Studio, renowned Norwegian architecture firm, Snøhetta, and South Australia's own JamFactory are behind the design of the building.

For more information on how you can embed yourself in the Great Hall, go to the UniSA [website](#).



### UniSA challenging the STEM gender gap with new SAGE pilot

In an effort to combat the gender gap within STEM (Science, Technology, Engineering and Mathematics) careers, UniSA has joined the first Australian trial of the successful UK Athena Swan gender equity accreditation program, the Science in Australia Gender Equity (SAGE) pilot.

The pilot aims to promote and retain women and gender minorities in STEM by introducing a gold, silver or bronze award rating system that evaluates the gender equity policies and practices of the participating

organisations.

With UniSA named as one of the 32 Australian organisations participating, Deputy Vice Chancellor: Research and Innovation, Professor Tanya Monro has expressed her passion and excitement for the University's involvement in the program.

"UniSA is committed to working towards the advancement of gender equity in academia, addressing unequal gender representation across academic disciplines, and removing the obstacles faced by women at major points of career development and progression," Prof Monro 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.

"Reaching gender parity in science leadership in Australia is really important. It's about keeping our brightest minds in the fields in which they have the most potential to deliver.

"UniSA is proud of our existing gender equity policies and activities such as women-specific research scholarships and professional development programs, but being part of SAGE is an opportunity to go that extra mile and be recognised as a real leader in Australia."

The SAGE pilot, a partnership between the Australian Academy of Science and the Australian Academy of Technological Sciences and Engineering, will be in effect at UniSA by September 2016.

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

### **Team UniSA shines at the City to Bay**

More than 120 Team UniSA participants from a diverse range of backgrounds and academic fields hit the pavement last month for the 2015 City to Bay Fun Run.

The Team UniSA participants joined thousands of competitors, who ran or walked from the Adelaide city centre to Glenelg, with some great results.

Adrian Potter was the first male UniSA competitor to complete the 12 kilometre run, finishing an impressive 24th place overall with a time of just 40 minutes and 11 seconds. The first Team UniSA female to cross the line was Elise Bennett, in a time of 53 minutes and 22 seconds.

In the six kilometre run, Tony Cooper ran a time of 30 minutes and 41 seconds to be the first UniSA male to finish, while Krystle Crouch was the first UniSA female to finish with a time of 33 minutes and 54 seconds.

For human movement student Angus Pike, it was the first time he had competed in the City to Bay. He said he felt a sense of accomplishment after finishing the 12 kilometre run.

"I set goals and achieved them as I went which was good," he said.

"The event had a great atmosphere, and the event volunteers contributed to that as much as the participants did.

"I highly recommend being part of Team UniSA because the team was great to run with and everyone was really encouraging and supportive."

For more highlights and photos, go to the [UniSA Sport website](#).

### **UniSA marketing professors among the world's most cited**

A new analysis of the citation impact of Australian marketing professors places UniSA ahead of business schools at Harvard, Wharton, Melbourne and Sydney.



The report, published in the *Australasian Marketing Journal*, shows that marketing professors in Australian and New Zealand business schools perform well in terms of both the quality and quantity of research publications, with a few universities, such as UniSA and Western Australia, performing at the very highest of world standards.

The analysis covered 195 universities, 2263 marketing academics, and their publications this century (2001-2013).

You can view the report [online](#).

### Alumni stand out at Telstra Women's Business Awards

UniSA alumni took out four awards in the 2015 Telstra SA Business Women's Awards this month.

The 2015 Telstra South Australian Business Woman of the Year went to MBA alumna Kate Thiele (pictured right), who is Chief Executive of Guide Dogs SA/NT.

Thiele also won the For Purpose and Social Enterprise Award for having overseen extraordinary growth in her organisation.

The 2015 Telstra South Australian Young Business Woman of the Year went to Ashleigh Stiling, who is Operations Shift Coordinator for Harsco Metals and Minerals. Stiling, a Bachelor of Business and Enterprise graduate, was recognised for her rapid rise through the ranks in a male-dominated industry.

Michaela Webster, Chief Operating Officer for On the Run/Peregrine Corporation, who is a Bachelor of Business graduate, won the Corporate and Private Award.



Photo courtesy of Telstra.

Congratulations to UniSA staff finalists in the Government and Academia category:

Professor Marie Wilson, Pro Vice Chancellor (Business and Law) UniSA Business School; and Professor Allison Cowin, Research Professor, Future Industries Institute, UniSA.

A further five UniSA alumni were among the finalists: Julie Astley a MBA graduate who is Director of Operations (Client Services) at Novita Children's Services; Sharyn Broer, CEO Meals on Wheels SA who is a Bachelor of Applied Science, Occupational Therapy graduate; Karina Bunker, General Manager of Human Resources with Novita Children's Services who holds a Graduate Diploma in Occupational Health and Safety Management; Helen Edwards from Diabetes Counselling Online and Recycled Interiors who has a Bachelor of Social Work; and Stella Thredgold, Executive of Corporate Resources, Bendigo and Adelaide Bank who holds a Bachelor of Accounting.

### Soil scientist secures special award

UniSA Adjunct Professor Nanthi Bolan has been presented with the 2015 American Society of Agronomy (ASA) Fellow Award, the highest honour bestowed by the scientific society.

The annual ASA awards recognise outstanding contributions to agronomy through education, national and international service, and research. Only 0.3 per cent of the society's thousands of active and emeritus members can be made Fellows.

Prof Bolan has already been presented with the American Society of Soil Science Fellow Award in 2011 when he was working as the Chair of Environmental Science at UniSA.

Prof Bolan, whose research focuses on sustainable approaches to maintain soil health, was nominated for the award by colleagues for his impressive professional achievements and meritorious service to ASA.



"It is a great honour to be recognised by ASA for the soil and agronomy research work undertaken at UniSA," Prof Bolan said.

"I believe I was able to achieve this award because of the excellent laboratory facilities and research support provided by UniSA and colleagues at the Centre for Environmental Risk Assessment and Remediation (CERAR)."

Across his career in soil sciences and environmental remediation, Prof Bolan has served as the Dean of

Graduate Studies at UniSA and as the leader of the Cooperative Research Centre for Contamination Assessment and Remediation of the Environment Programme on Prevention Technologies.

He is currently a Professor of Environmental Chemistry at the Global Centre for Environmental Remediation at the University of Newcastle.

## Unitopia is back

Unitopia is a chance for UniSA students to take a break from the stressful exam period and treat themselves to a day of rest and relaxation.

The UniSA Student Association (USASA) hosted event will alternate from the City West, City East, Magill and Mawson Lakes campuses towards the end of October.

Free drinks and ice-cream will be available, as well as massages, henna tattoos and meditation sessions to help relieve the stress of exams.

Unitopia will also feature an animal petting zoo which will allow everyone to interact with a number of farm animals including rabbits, lambs, ducks, and chickens.

"It has been scientifically proven that interaction with gentle, friendly animals can have beneficial effects on physical and mental health," USASA marketing coordinator Tom Wilson says.

"Unitopia presents an opportunity to relax, smile and forget about your exams and deadlines without having to leave the campus."

This is the second time Unitopia has taken place this year, following on from the popular inaugural event in June, and USASA are hoping to replicate that same success next month.

Wilson also said USASA is hoping to continue running the biannual event into the next year and beyond.

Unitopia will start at 11am at Magill on October 21, and later move to Mawson Lakes on October 22, City West on October 27, and City East on October 28.



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## Exhibition game in China scores cross-cultural goals [Back to story index](#)

by Will Venn



COMMUNITY

Port Adelaide Football Club's (PAFC) South Australian Aboriginal Sports Training Academy (SAASTA) AFL Academy team will travel to China next month to play an exhibition game against Team China, the Chinese national AFL team.

Supported by UniSA, the 10-day trip will also see the SAASTA AFL Academy team participate in a range of cultural activities, including cultural exchange sessions at local schools, engaging in football coaching clinics, attending an official reception at the Australian Embassy, and visiting the Great Wall of China.

It's a special visit, marking an international highpoint in a relationship which has benefited from both UniSA and PAFC's high performance partnership centred on research and education in elite sport and from UniSA College's working partnership with SAASTA.

In 2014, the Mawson Lakes SAASTA Academy was opened, followed by the launch of the SAASTA Elite AFL Academy followed by the SAASTA Elite Netball Academy program in 2015. The SAASTA program is curriculum-based and the SAASTA UniSA Mawson Lakes Academy integrates maths and science into sports science and mathematics curriculum units, involving students in experiential learning activities.

Manager of SAASTA, Andrew Smith, said SAASTA and UniSA College have forged strong links over the past few years with a partnership designed to engage students in the areas of Science, Technology, Engineering and Mathematics (STEM) through active participation in sporting activities.

The PAFC / UniSA Centre for High Performance Sport was also established last year, building on joint training and education programs and joint research programs in areas of mutual interest.

Through the joint High Performance Centre, PAFC and UniSA demonstrate a shared commitment to China, which also builds on UniSA's rich history of collaboration in China, including partnering with some of China's leading universities to establish joint research centres.

Professor of Sport and Exercise Science Roger Eston, who is also Head of UniSA's School of Health Sciences and Chair of UniSA Sport, described the China excursion as a unique initiative.

"This is a great initiative which complements existing successful partnerships with PAFC such as several PhD scholarships, cadetships for our undergraduates, support for our honours students and a series of short courses on high performance training," Prof Eston said.

Port Adelaide chief executive Keith Thomas said the excursion, which has been partly funded by UniSA, provided a rare opportunity for the Aboriginal and Chinese cultures to unite.

"As a club we are extremely proud and excited to take the SAASTA Aboriginal AFL Academy to China," Thomas said.

"This is an extraordinary opportunity for the members of the Academy to travel to China and learn about the values and beliefs of another traditional culture.

"Most of these Academy team members haven't been outside of South Australia and have hardly left their communities and now they are heading to China, the world's most populated country, to share and promote their culture. What an incredible learning experience this promises to be for these students.

"A massive thank you to UniSA for their significant backing of this trip and our Aboriginal Programs in general."

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## Pratchett's gift supports study in two cities

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by Michèle Nardelli



INSIDE UNISA  
Vice Chancellor Professor David Lloyd with Sir Terry Pratchett's Business Manager and close friend Rob Wilkins at the scholarship launch in Adelaide.

UniSA has been bestowed a unique and generous scholarship from best-selling UK author, the late Sir Terry Pratchett.

The \$100,000 scholarship gives students the chance to conduct their research both at UniSA and at Trinity College Dublin, in Ireland for up to a full year in the course of their two-year's study.

Announced in September, the Perpetual Sir Terry Pratchett Memorial Scholarship will be awarded every two years to support a student to undertake a Masters by research at UniSA's Hawke Research Institute, covering a stipend, travel and accommodation expenses, as well as research costs.

UniSA Vice Chancellor, Professor David Lloyd together with Sir Terry's Business Manager and close friend, Robert Wilkins, launched the scholarship on September 28.

"Terry was an Honorary Doctorate of the University and a friend of mine and it's extremely humbling to be in the situation today to be able to take his legacy and bring it into the University of South Australia," Prof Lloyd said.

"Two of Terry's favourite universities will be connected together forever through this legacy."

Sir Terry was welcomed into the UniSA community and awarded an Honorary Doctorate in 2014 in acknowledgment of his lifetime contribution to literature and society. His *Discworld* fantasy series consists of more than 40 books. Sir Terry passed away last year from a rare form of Alzheimer's



disease.

Wilkins explained at the launch that the scholarship was a wish of Terry's, revealed to him in a parting letter.

"Terry had written some letters to be opened on the date of his birthday," Wilkins said.

"There was a paragraph, in his letter to me, saying 'I fancy a memorial scholarship in my name - speak to David Lloyd and make it so'. And here we are today."

Prof Lloyd said the generosity of the scholarship was humbling.

"This extraordinary gift is the largest student scholarship of its kind in the history of the University," Prof Lloyd said.

"Terry was someone who was never shy of contributing to the things he believed in and as recipients of this wonderful bequest we are reminded of his commitment to inquiry and to learning.

"The fact that this is a perpetual scholarship means that, like Terry's books, this gift will endure for generations to come.

"The scholarship will support worthy students to complete cultural research relevant to, or inspired by, Terry's work and linked to the Hawke Research Institute's theme of identity transformations.

"That opens a vast field for creative and sharp minds – anything from the study of satire and its impact on societal identities right through to the impact of information and communications technology in society.

"Whatever the research proposal in this field, we want to see topics that consider social impacts and investigate tangible benefits to society – it's an exciting challenge and one that we think Terry would have loved."

The collaborative scholarship builds on a growing relationship between two very different universities in two hemispheres, who share links, both through research and their strong associations with Sir Terry, and is underpinned by a memorandum of understanding between Trinity College Dublin's Trinity Long Room Hub and UniSA's Hawke Research Institute.

Dean of Arts, Humanities and Social Sciences at Trinity College Dublin, Professor Darryl Jones, said the School of English at Trinity was honoured to have Sir Terry as an Adjunct Professor.

"His wit, his warmth, his intelligence and above all else, his humanity made him an unforgettable friend and colleague," Prof Jones said.

"We miss him dearly, and we're delighted to be part of this joint endeavour with UniSA.

"The Sir Terry Pratchett Memorial Scholarship is a fitting tribute to a wonderful writer and a remarkable man."

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## Student association's coming of age

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by Rosanna Galvin



INSIDE UNISA

It's there for you in good times and bad. When you're about to head into an exam and you've left your gear at home, it's there with a free pen and a friendly smile. While you're killing time on campus before a lecture, it's there offering a free BBQ right before pay day. And if you're looking for advice, it's there providing a free advocacy service on a range of academic and educational issues.

It's the University of South Australia Student Association (USASA) and this year it's celebrating its 21st birthday year.

For the Association's inaugural president, Bachelor of Arts alumna Kirsten Andrews, who now heads up Media and Public Relations at the University of Sydney, student associations have changed over time but remain a critical part of university life.

"Some things are the same and some have changed a lot. The Voluntary Student Union debates and changes to the student fee administration have forced a lot of belt tightening," she says.

"But students still protest against fee increases – and I say good on them – and lobby for increased funding to higher education – and I still agree with them.

"The student voice in decision making is not only democratic and fair, but improves decision making across the university."

Current USASA president and international relations and social work student, Lia Lawrie agrees.

"Students associations, no matter the university, will always be important," she says.

"Because we are not a division of the University, we make sure that we keep the University accountable to its students.

“We argue against cuts to student services and advocate for a better student experience.”

According to Lia, current UniSA students turn to USASA in their time of need.

“The current student base is a reactive one, so they come to us when they need us – and all we have to do is make sure that we are there with a service they need,” she says.

“A student's time of need can range anywhere from academic issues, to forgetting their pens at their exam.

“And it's because we're always there for UniSA students at these times, that we chose this tagline for USASA's 21st celebrations: 'come and celebrate your Student Association's lifetime of free pens, friends, and saving your ass!'.”

USASA celebrated its birthday by hosting a special event at City West campus last month, where guests were treated to themed party zones, a glitter tattoo artist, pinball machines and a giant birthday cake. It was one of many events USASA puts on for students across all campuses each year.

USASA is committed to creating a culture of support, advice and fun both on and off campus. So should students get involved?

For Andrews, who reflects both on her own experiences 21 years ago and her observations from a career which remains in the higher education sector, one thing is certain – getting involved in student life in some capacity is essential.

“I think getting involved in any aspect of student life improves the university experience,” she says.

“Whether it's a club or society or a student representation role, it will make the whole experience more worthwhile.”

### USASA President Lia's top tips for students

- Visit USASA – you'll need to know what services are available. And talk to the counter staff if you want to find out more to get involved.
- Buy a book second hand textbook when it's possible, and save yourself the heartbreak and some cash.
- Group work is as bad as it was in high school. Now's the time to start mentally preparing yourself for the eventual let downs and excuses.
- Pictures of happy dogs make SWOT-VAC bearable.
- Studying is 70 per cent procrastination, 15 per cent denial, five per cent tears, and ten per cent doing actual work. Now that you know that, schedule that ten per cent for when you know you're the most productive.
- You will be marked down for using the Oxford comma in assignments.

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## Prestigious scholarship lands UniSA student in Fiji

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by Jacinta Mazzarolo



SCIENCE &amp; TECHNOLOGY

UniSA student Anthony Randell assisting NatureFiji-MareqetiViti with an environmental survey.

Budding environmentalist and UniSA student Anthony Randell has found himself in the ultimate natural paradise of Fiji with a little help from the Federal Government's New Colombo Plan (NCP).

But it's not all cocktails and crystal clear water for the Bachelor of Environmental Science student. Anthony is currently studying at the University of the South Pacific after being awarded the NCP scholarship – one of only 69 students nationwide to be selected – at the end of last year.

Situated in Suva on the eastern side of the main island, Anthony believes his experiences in Fiji will leave a positive and indelible mark on his future career endeavours.

"Although my time in Fiji so far has not been without its challenges and adjustments, overall it has been well worth all the planning and preparation that went into the NCP application," Anthony says.

"This experience overseas has already given me a broader knowledge base, allowing me to share information learnt from another country and apply it to environmental issues at home.

"I hope my time here will help me achieve my goal of educating the community on the importance of the natural world, allowing me to use my experience to reach a larger audience."

Currently in the midst of his exchange, Anthony has also secured an internship with NatureFiji-MareqetiViti — Fiji's only environmental non-government organisation — after his exams in November.



“The internship involves surveying the exotic, invasive ivory cane palm that poses dangers to the native ecosystem if not controlled and eradicated,” he says.

“I am really excited about this as it combines scientific field work with community engagement, and this is the sort of career I am interested in.

“I will be detailing the plant and then creating a poster and brochure to help increase public awareness of the plant and its risks.”

Anthony’s recent success is a testament to his hard work and persistence. He initially did not qualify for the Bachelor of Environmental Science and is now excelling after his acceptance into the NCP program.

“I did not have the grades to enter university, but I have always been someone who cares about the natural environment. So I continued working while studying conservation and land management at TAFE,” he says.

“After completing my Certificate IV, I found out I could still only be employed in weed control, but I had become aware of a need for community education on the environment. With my certificate I was able to go to university.

“I chose the Bachelor of Environmental Science for its mix of science along with the community-related subjects – I believe it is important to fully understand the science before interpreting it for the community.”

Anthony owes his new-found awareness and knowledge, as well as a wealth of new experiences in Fiji, to his involvement in the NCP and the subsequent connections he has made with the country.

“Without the scholarship I would not have been able to go to Fiji. This is my first time overseas and life in Fiji has been great,” he says.

“Experiencing a new country is raising new concepts and ideas about the environment that I would not have gained in Australia.

“There is so much I still want to see and do in Fiji, but sometimes just being in another country experiencing the differences from home, meeting new people, and realising your own capacity to adjust to new situations, are just as memorable as if you only came to see the tourist destinations.”

The NCP is a Federal Government initiative seeking to connect Australian undergraduate students with surrounding countries in the Indo-Pacific region through scholarship programs and mobility grants.

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## Women at work: holding up half the sky?

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by Kelly Stone



BUSINESS

The labour market must be reformed in a positive direction if women are expected to hold up more than half the sky, according to UniSA Business School Emeritus Professor Barbara Pocock.

Widely recognised as one of Australia's leading employment researchers, Prof Pocock recently gave the Fay Gale Lecture in Adelaide on the topic of women and work.

As well as reflecting on what the past four decades have meant for women in work and life, she also used the lecture to deliver a dire assessment of the Productivity Commission's draft report into Australia's Workplace Relations Framework.

Prof Pocock (pictured right) says women are going backwards in many ways at work and are at best stalled in the long guerrilla war for gender equality.

"I have always loved the poetic notion – attributed to Mao Zedong – that women hold up half the sky," she says.

"But when it comes to the contemporary labour market and reviewing its evolution over recent decades, it is very evident that, yes, women hold up half the sky at work, and more than half the sky beyond it – but that the conditions of work continue to actively work against us.

"Women might hold up half the sky, but we don't get half the returns when it comes to equal pay or adequate flexibility, and we pay a high price in terms of maternal guilt, sexual harassment, and time pressure."

Prof Pocock's own journey in the workforce began 42 years ago, as a rouseabout in shearing sheds in New Zealand. She says giving the lecture was a great opportunity to reflect not only on her own journey in the



workforce, but on the passage these four decades have meant for women at work.

“Robust reflection on the road we have travelled is essential if we are to move forward intelligently. I want the generation after me to benefit if they can from our experience,” she says.

“I feel angry when we look at what we’re asking of women these days – that they will have an education, they will be in the labour market for at least four decades, and at the same time they will be doing more unpaid work, twice as much as men for some decades ahead.

“We haven’t renovated the labour market anywhere near as much as we need to if we’re really going to address gender inequality and ensure that the skills and the contribution of women are fairly remunerated.

“The Productivity Commission’s draft report sends women backwards. There’s no mention of the 18 per cent gender pay gap between men’s and women’s earnings.

“In fact, one of the main recommendations to eliminate penalty rates in several female-dominated industries will widen the gap rather than narrow it because a disproportionate number of women work on Sundays.

“If we want women to continue to shoulder their burden and hold up half the sky, we must reform the labour market in a positive direction.”

Prof Pocock says politicians and leaders who “exhort women to increase their participation in paid work, to invest in their skills and experience, and to work for longer into old age, have a responsibility to enact change”.

“The \$1.5 million lifetime earnings loss for women with degrees relative to their male peers is not acceptable; the growing proportion of women in a labour market where less than half have meaningful flexibility; the shameful political football that our paid parental leave has become – these are all signals we are being taken for mugs,” she says.

“Of course, women are not mugs. So what to do?”

“We need more research in all areas around pay, flexibility, sexual harassment, leave, the retirement system and more.

“But on top of that research, organising and creative campaigning matters more. Political organising as women is also essential, given that both major political parties currently let women down.

“We need a lot more institutional support and change to get near anything like gender equality.

“If young women today are to look back on their own 42 years in the middle of this century, and observe real change in gender equality at work, we will need a much stronger and more effective political effort than my own generation has been able to muster, stimulate or execute, and take it from me, we worked hard at it!”

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## Five gold medals for Team UniSA

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by Jacinta Mazzarolo



COMMUNITY

UniSA's team at the 22nd annual Australian University Games (AUG) has brought home five gold medals, helping Team UniSA place 11th out of 42 universities.

The 125-strong Team UniSA competed in nine sports on the Gold Coast including hockey, cycling, athletics, judo, tennis, basketball, touch football, ultimate frisbee, beach volleyball, and volleyball.

Both the men's and women's volleyball teams achieved remarkable results in their respective division one competitions, with each team taking out the gold medal.

The women's team managed to remain undefeated throughout the entire week, not dropping a set. Meanwhile the men's team remained the National University Men's Volleyball Champions for the third year straight – having not lost a game in the entire three years. And in division two, the women's basketball team also performed strongly, winning a bronze medal.

In the individual competitions, Long Nguyen won a gold medal in judo in the under 66 kilogram category; while Team UniSA's remaining two gold medals were won by talented cyclist Madeleine Steele (pictured right).

Brad Breeding, UniSA Sport Manager, said he was very proud of Team UniSA's efforts at the 2015 AUG which saw the best range of results ever achieved by a UniSA squad.

"It was another outstanding year by all of the students involved who represented UniSA extremely well," Breeding said.

"To finish with two division one pennants, putting us in equal seventh place on pennants won and 11th place overall, is a fantastic achievement that the entire team and University should be



proud of.

“To have a squad of 125 players and non-playing officials travel to the Gold Coast, only 10 weeks after the Southern University Games, was fantastic to see and shows the pride and desire that is building among students wanting to represent Team UniSA in the sporting environment.”

There were a number of success stories throughout the Games with a total of 13 medals being won in rowing, judo, women’s basketball, men and women’s volleyball, and cycling.

Competing in the women’s under 63kg judo competition, Sooyeon Kim took home the team’s only silver medal; while fellow judo competitors Pierre Demonet and Sangeun Bae won bronze medals helping the men’s and women’s UniSA judo teams win overall bronze medals.

In addition to those who travelled to the Gold Coast for the AUG, a squad of 11 rowers and their coach stayed closer to home here in Adelaide to compete in the 2015 Australian University Rowing Championships. The team performed well, with Annabel Gibson winning a silver in the women’s lightweight scull; and a bronze medal being won in the women’s double scull by Annabel and Monique Clark.

Madeleine was a standout at the AUG with her two individual gold medals in the 72km road race and the criterium. Madeleine’s success is particularly impressive as she only took up the sport a couple of years ago.

“I am late into cycling. I picked it up in December 2012 after going to a ‘Come ‘n’ Try’ Session at the Adelaide Superdrome (velodrome). The coach there that day, John Murray, saw some potential in me and within a few weeks I was training six days a week,” she said.

“I used the AUG to prepare for a big summer of racing. I’ll be travelling to Victoria to race the Bay Criterium Series which attracts international competition before I come back to Adelaide to hopefully compete in the Tour Down Under’s Women’s Series.”

Despite continually expanding her professional career, Madeleine does however have a soft spot for Team UniSA, the friends she has made, and the support, enthusiasm, and heart it provides.

“The spirit of the UniSA sport team is unbelievable. It felt great to have the team manager and some teammates at my final race and I loved being able to go out and support my teammates at their events,” she said.

For more information on Team UniSA, their results and the 2015 AUG, head to [unisasport.edu.au](http://unisasport.edu.au).

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## Combining uni and Army makes healthy change for Anna

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by Katrina Phelps



### COMMUNITY

Changing from a full-time job to full-time study, part-time work and Army Reserve training adds up to a challenging but fulfilling new life for UniSA Bachelor of Applied Science (Human Movement and Health Studies) student, Anna Gordon.

The 25-year-old returned to UniSA to study at the beginning of this year, after deciding to focus on a career change.

"I really enjoy being back at uni after working for a few years and I love learning new things," Anna says.

"I am interested in allied health and thought the Bachelor of Applied Science would give me a good platform to gain an understanding of the field.

"I've also always been interested in being part of the Army Reserve. I think being in the Army brings benefit to any career as the confidence, leadership and management skills that you gain can really enhance your skill set and employability.

"I am hoping to go into either occupational therapy or physiotherapy, and down the track I would definitely hope to use one of these qualifications to treat or rehabilitate injured Australian soldiers."

For now, Anna is finding that her Officer Cadet training, which includes learning leadership and management skills, is complementing her study.

"My Army Reserve training has helped me immensely when I'm engaged in group work and delivering presentations," Anna says.

"As a result of my training, I've found that I'm able to show leadership by being assertive, making quicker

decisions and communicating my ideas in a way that influences the group.”

The University’s Memorandum of Understanding with the Defence Reserves Support Council means that Anna is not penalised for missing classes because of Army Reserve commitments.

UniSA’s Director of Student and Academic Services, Allan Tabor, says the University recognises there are times when students in the Australian Defence Force are called up expectedly or are required to be available for training or community service.

“We have a role in ensuring that our students have the necessary support to be successful in their studies while at the same time undertake the important role they play in the community and the defence of our country,” he says.

Combining study and Army Reserves is an option that Anna encourages other students to consider if they are interested in gaining professional skills and training that complement their university study.

“The benefits of Army Reserves training are that you get to meet new people, challenge yourself physically and mentally, and do things you never thought you would be able to do,” Anna says.

“It’s also the perfect part-time job for students because the majority of training activities take place on weekends and during university breaks. It is hard work but it is very rewarding.”

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## Responding to the tragedies of flights MH370 and MH17

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by Will Venn



COMMUNITY

Hope may not seem an obvious word to use when discussing the disappearance of Malaysia Airlines flight MH370 and the shooting down of Malaysia Airlines flight MH17 over the Ukraine, just four months later.

But for the man appointed to lead Australia's response to these tragedies, Air Chief Marshal Sir Angus Houston (retired), it is the right sentiment to convey. And he did just that in delivering this year's Annual Hawke Lecture, related to the ongoing efforts to find the missing aircraft and to bring to justice those responsible for the downing of MH17.

The lecture, *MH370 and MH17 Disaster and Crisis: An Examination of Australia's Response*, presented by UniSA's Bob Hawke Prime Ministerial Centre at Adelaide Town Hall, provided unique insights into the operational difficulties involved in the response to both tragedies, which were marked by a huge loss of life and corresponding grief along with unanswered questions of families whose loved ones were on board those flights.

Sir Angus (pictured right) was appointed as the Prime Minister's Special Envoy to lead Australia's efforts to help recover, identify and repatriate Australians who died in the Malaysia Airlines MH17 crash. He also led the Joint Agency Coordination Centre (JACC) responsible for coordinating the Australian Government's support for the search for missing Malaysia Airlines flight MH370.

Australia's connection to both flights is evident in different ways; MH370 disappeared in March 2014, in an area within Australia's search and rescue responsibility, while 38 of the 298 people killed in the MH17 catastrophe in



July last year were Australians, a fact which led Sir Angus to describe it as “the greatest national tragedy we have suffered since Bali in 2002”.

The lecture highlighted the incredible challenges faced by Sir Angus and his team; the needle-in-a-haystack analogy doing little to convey the sense of scale of the ongoing search for an aircraft, a search which has so far already covered a 60,000 square kilometre area of the ocean floor.

“JACC was set up due to increasing complexity of the operation,” Sir Angus said.

“It required coordination at all levels: international, state as well as looking after family matters and taking care of media. It involved supporting families and keeping them informed.”

Meanwhile, trying to negotiate safe and secure access to the MH17 crash site meant entering a conflict zone that in one area was just a “three minute tank ride” to the Russian border.

“It was a challenging task, there was no framework of reference, no contingency plan or embassy or infrastructure to normally support this operation. The job was to recover, identify and repatriate our fallen who had been on MH17,” Sir Angus said.

Sir Angus’s skill in liaison, negotiation and international relationship building enabled his team to undertake their task with support from the Ukraine Government and the Dutch.

It wasn’t a solo effort and Sir Angus readily acknowledged Foreign Minister Julie Bishop’s success in convincing Russia to agree to United Nations Security Council resolution 2166, which gave legitimacy and leverage to his team’s operation.

“There were two investigations – one to file the international civil aviation compensation requirement, and the other one, a criminal investigation to try and find who was responsible for this outrage and hold them to account,” Sir Angus said.

The fact that someone was responsible for perpetrating the downing of the plane is something that Sir Angus forcefully acknowledged.

“I hope we find the bastard, I really do – it’s an absolutely outrageous and criminal act the likes of which I haven’t seen before,” he said.

After 19 months, the search for MH370 is still ongoing, and Sir Angus cited the example of HMAS Sydney – a light cruiser sunk in battle in the 1940s and rediscovered in 2008 – as a typical indication of the time associated with the search for missing wrecks at sea.

With this in mind the retired Air Chief Marshal said it was important to balance a steady line between “dampening down expectations” regarding unaccountable “pings” from the deep and dealing with unrelenting pressure from journalists seeking resolution to one of the biggest mysteries of this century, while still maintaining a message of hope for the families, that MH370 will one day be located.

Sir Angus said that the flaperon part of a Boeing 777 aircraft which washed up on the shores of Reunion Island earlier this year was definitely from MH370.

“The search for the aircraft across 60,000 square km of ocean floor has been completed so far, there’s another 60,000 square km to go – winter weather has slowed the search significantly,” he said.

“My hope is MH370 will be found. The search is ongoing.”

You can listen to the podcast [online](#). (mp3 format 24.3MB)

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## Students use Vietnam as classroom to build invaluable experience

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by Aleisha Treloar



SCIENCE & TECHNOLOGY

Hue in Vietnam. Photo courtesy of Evan Cole

UniSA Urban and Regional Planning students have recently returned from a two-week Vietnam study tour designed to increase their practical skills outside of the classroom.

The group of 13 third and fourth year undergraduate students and postgraduate students ventured to Hue University (HUS), thanks to a recent partnership agreement with UniSA.

Student Evan Cole says the experience gave him insight into planning in a developing country, where there are many challenges which are non-existent in a developed country like Australia.

“Despite all of the planning knowledge a person can have in a developed country such as Australia, when you are dropped into a developing country, so much of Australian planning knowledge is irrelevant. You are brought back to the core nature of planning – creating safe environments that foster human life,” he says.

“I view the planning profession in a different way now; it can be such a beneficial and positive career. In Vietnam your decisions can affect people in a much bigger way, such as support people’s ability to earn money, prevent displacement from homes, improve natural disaster management and even increase life expectancy.”

While on the tour, Evan and the group worked with cross-disciplinary students from HUS on a project to revitalize markets in Vietnam.

“Working together with the HUS students we came up with a master plan that would redevelop key parts of a market precinct while balancing what it was that made the market a truly amazing place,” Evan says.

“The HUS students were not planners, they were architects and landscape architects – it was the cross-cultural, cross-disciplinary nature that made this project such a fantastic experience.”

Evan looks back at the trip as a challenging yet valuable learning experience. He hopes to continue improving lives through quality planning through study and in his career.

“I was tested both physically and mentally to new levels from this trip, but it was not a bad thing – it was a personal challenge to get as much out of the trip as I possibly could,” he says.

“In my professional life I hope to maintain the view that I can positively shape the environment around me to support more people living their lives, mediating the tensions urbanisation creates.

“In my student life, the new perspectives gained from this study trip have reinvigorated my desire to succeed.”



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## New Books

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### The Cancer Prevention Manual: Simple Rules to Reduce the Risks

The death rate from cancer could be reduced by one-third with simple lifestyle changes, is the message that UniSA's Professor Ian Olver wants people to take away from a new book *The Cancer Prevention Manual: Simple Rules to Reduce the Risks*.

Co-written by Prof Olver, the book is an updated version of the first edition from 16 years ago and now includes new information about advancements in cancer prevention and early detection.

Prof Olver, Director of UniSA's Sansom Institute for Health Research, says many people are aware that smoking and sun exposure cause cancer but do not connect obesity, diet and exercise as risk factors for cancer, particularly common cancers like breast and bowel cancer.

"The main lifestyle changes are to stop smoking, eat a healthy diet, reduce alcohol consumption, exercise regularly, and protect yourself from the sun when it is intense enough to cause sunburn such as in the middle of the day during summer," Prof Olver says.

"Often diet and exercise are associated with heart disease or diabetes rather than being a modifiable risk factor for cancer.

"There are so many myths and untruths out there about cancer. People love to argue over whether hair dye or underarm deodorants cause cancer when by far the greatest gains are made by simple lifestyle factors.

"Although it doesn't sound spectacular, this will prevent far more cancers than by using any other strategies."

The book has been published by Oxford University Press, and co-written with Fred Stephens, Emeritus Professor and Former Head of the Department of Surgery at The University of Sydney.

More information on how to support UniSA cancer research can be found on the UniSA [website](#).

### Promoting early career teacher resilience: A socio-cultural and critical guide to action

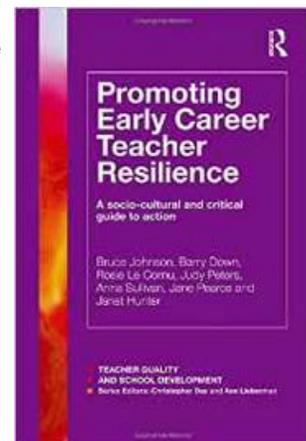
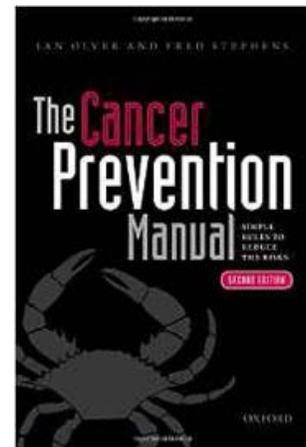
This month's World Teacher's Day on October 5 was a time to celebrate our educators. It was also an opportunity to bring attention to the efforts of teachers whose early careers are too often plagued with difficulties and isolation, according to UniSA researcher Emeritus Professor Bruce Johnson.

Prof Johnson says these professionals are among the most overlooked and underappreciated in the workforce, and the dropout rate in Australia for early career teachers is incredibly high.

Observing the disheartening plight of a new teacher, Prof Johnson from the School of Education, together with UniSA's Associate Professor Rosie Le Cornu, Dr Anna Sullivan and Dr Judy Peters, and academics from Murdoch and Edith Cowan Universities in Western Australia, has spent five years exploring conditions that support early career teacher resilience.

"The reason for doing the project was because earlier research had established that up to 40 per cent of early career teachers leave the profession within five years," he says.

"Rather than look at how 'hopeless' early career teachers are, which the prevailing paradigm was at the time, we



said let's go in and find out what is going reasonably well and learn from the positive experiences.

"The figures do vary a bit, but it was a big enough issue and problem for us to try to find out what was going on."

The project's conclusions provided the building blocks of what has become a new book aimed at early career teachers, school leaders, and policy makers.

A framework of these findings addressed the conditions that promote early career teacher resilience including policies and practices, teachers' work, school culture, relationships, and teacher identity.

*Promoting Early Career Teacher Resilience*, published in August this year, has already been well received with some of its terminology – namely the term early career teachers – now being used by professionals around Australia.

In a review, Professor Susan Moore Johnson from the Harvard Graduate School of Education has commented on the value and potential of the book for supporting and fostering positive environments for early career teachers.

"With rich case studies and thoughtful analysis, *Promoting Early Teacher Career Resilience*, makes a compelling case for shifting reformers' attention to the school as a workplace, thus ensuring success for many more novices," she said.

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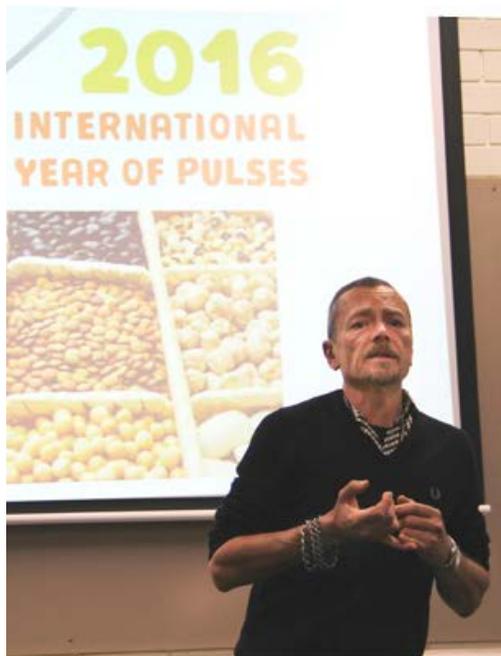
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## In Pictures

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Chef Simon Bryant visited City East Campus to award his *Vegetables, Grains & Other Good Stuff* book to winner of the Nutrition and Food Sciences 'Great Lentil Cook Off' competition, Madison Bogisch. Simon is the International Year of the Pulse Australian advocate. Lecturer Evangeline Mantzioris and 80 students were delighted to hear from him on the importance of pulses as a nutritional and sustainable food source.



120 young Brazilians have touched down in Adelaide as part of their government's bid to boost Science

Technology Engineering and Maths (STEM) skills in South America's largest nation. Last month, as a part of their special welcome to Adelaide, the Adelaide Central Market gave the students a taste and tour of the markets.



Adelaide came alive with sights and sounds of Asia recently as the annual OzAsia Festival descended on the city. For the third year running, UniSA partnered with the international arts festival. Pictured above is the UniSA lantern at the festival's Moon Lantern Festival last month.



The UniSA Health Medical Clinic opened at City East campus last month. Pictured above at the launch event are Professor Carol Grech, Head of the School of Nursing and Midwifery; Professor Roger Eston, Head of the School of Health Sciences; Dr Kuan Liung Tan, Manager of Health and Clinical Education; Jodie Quilliam, Manager of Clinical Operations in the School of Health Sciences; and Tammy Partridge, Practice Manager,

SFFP Medical.

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