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September 2018

> from the University of South Australia



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Researcher dishes the 'dirt' on potential obesity cure

Investigating how clay materials can improve drug delivery, UniSA researcher and PhD candidate Tahnee Denning serendipitously discovered that the clay materials she was using had a unique ability to "soak up" fat droplets in the gut. [more](#)



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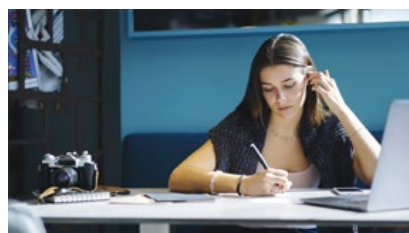
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Submissions close at 5pm on Friday, September 21.

[Click here to share your opinion.](#)

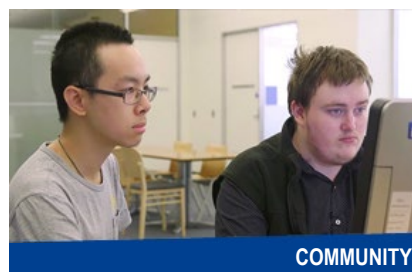






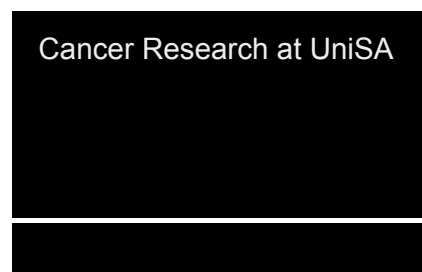

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University of
South Australia

UniSA commits to significant new Aboriginal reconciliation actions

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by Katrina Phelps



INSIDE UNISA

Traditional Smoking Ceremony performed on campus by Yellaka.

In 1985, Irene Watson was South Australia's first Aboriginal person to graduate with a law degree. More than 30 years later, we are still seeing many "firsts" for Aboriginal people within higher education.

For that first law graduate – and now UniSA's Pro Vice Chancellor of Aboriginal Leadership and Strategy, [Professor Irene Watson](#) – there is hope for a future where there will be equality for Aboriginal people in higher education.

As one of the leaders behind developing UniSA's new [Stretch Reconciliation Action Plan](#) (RAP), Prof Watson says there are plans in place to achieve good numbers of Aboriginal graduates across all disciplines.

"To achieve that we need to ensure that Aboriginal people are able to engage in a higher education sector in which there is a positive image of Aboriginal people and their future," she says.

"In our Stretch RAP, we've outlined areas that are important like creating a culturally safe place – a place where Aboriginal students can thrive; and bring with them and or access their ancient knowledges of Aboriginal culture, creating a more inclusive space.

"This plan will help to build a space in which there is greater visibility of Aboriginal peoples and our knowledges and cultures, while also creating a vibrant curriculum that continues to grow in its Aboriginal content."



UniSA has become the first university in South Australia to develop a Stretch RAP, following approval of the plan by University Council in late August and endorsement by Reconciliation Australia in early September.

The Stretch RAP is guided by Universities Australia's Indigenous Strategy for 2017 to 2020; and builds on UniSA's previous [RAP](#) which extended UniSA's proud history in Aboriginal education by embedding real and measurable actions into the organisation.

RAP co-chair and UniSA Dean of Aboriginal Engagement and Strategic Projects, [Professor Peter Buckskin](#), says the plan will foster a stronger two-way relationship with Aboriginal peoples.

"Our plan is both aspirational and innovative, and is built on the principles of inclusion, engagement, respect and reciprocity," Prof Buckskin says.

"A significant aspect of the plan is ensuring Aboriginal knowledges, histories and cultures will be acknowledged and celebrated in our programs.

"The plan actively seeks Aboriginal voices to position UniSA as the 'University of Choice' for Aboriginal peoples."

The Stretch RAP acknowledges the three key pillars of Reconciliation Australia's RAP Framework which are relationships, respect and opportunity and has its own five themes of Place and Language; Aboriginal Knowledges, Culture and Engagement; Aboriginal Education; Aboriginal Research; and Aboriginal Governance, Evaluation and Reporting.

These themes came from consultation with Aboriginal Elders, community members and organisations; and the development of the plan has involved the input of many UniSA people.

RAP co-chair, [Professor Esther May](#), says she's been impressed with the enthusiasm and commitment of our staff and students in preparing the plan.

"We are looking forward to seeing how the Stretch RAP will be used effectively within the University community," Prof May says.

The RAP has determined sets of actions for each of the five themes.

Prof Watson is currently working on the Aboriginal Research theme with UniSA's Deputy Vice Chancellor of Research, [Professor Tanya Monro](#).

"We are developing an Aboriginal research strategy that comes from a notion of a two-way approach that will give Aboriginal people a voice in determining the kinds of research that best suits Aboriginal community development," Prof Watson says.

"This two-way approach is important in all of the five themes. It's important that we not only take up the challenge of meeting targets but do so by engaging with Aboriginal people from a standpoint of reciprocity.

"Overall, this new plan gives us targets for how we might achieve greater equity and parity for Aboriginal peoples who are in a position to engage with higher education."

The Stretch RAP can be viewed [online](#).



Students try their hand at weaving at City East Campus during National Reconciliation Week celebrations.

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'Real steel' but takes 90 per cent less energy to make

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by Adam Joyce



SCIENCE AND TECHNOLOGY

Associate Professor Nikki Stanford with an electron microscope, which is used to analyse samples of steel.

Steel can be made using 90 per cent less energy than in the most common production process, but very few companies are pursuing this more environmentally-friendly method because the science behind it has not been well understood.

But Associate Research Professor with the [Future Industries Institute](#) (FII) [Nikki Stanford](#) is changing that through research that explains the exact behaviour of steel made using thin strip casting.

The method involves turning liquid steel directly into thin strips up to 3mm thick, rather than the traditional process which involves steel casting, hot and cold rolling (including reheating), coil coating and strip processing.

"This new method of thin strip casting was originally developed in Australia but is only used by two plants in the USA and reduces the energy consumption involved in turning liquid into thin steel by 90 per cent," Assoc Prof Stanford says.

A gigatonne of steel sheeting (1000 million tonnes) is made every year for use in roofing, fencing, car doors and general construction – and that figure is growing.

"So if we can change to this new method, it's a massive environmental benefit," Assoc Prof Stanford says.

While the traditional process, of repeatedly forging and rolling steel into the required shape, is well understood, the same cannot be said of the thin strip casting method. In strip casting, the steel is cast between two water-cooled rolls, producing directly a strip. This results in very rapid cooling and high production speeds.

"We need to expand the kinds of alloys that can be made using this process," Assoc Prof Stanford says. "What happens in this process is that the steel goes solid really quickly and behaves strangely so it's more difficult to make in this way."

“You have to make it with enough speed at the exact right rate, at the exact right time, so that the steel doesn’t harden and break the caster. It requires very stringent process control.

“The work we are doing explains what occurs and why – how the alloy chemistry changes the outcome. At present, the outcome is not predictable.”

However, even once the research findings are published, it will be a slow process to encourage more manufacturers to adopt the strip casting method because steel plants have 50-year or longer life cycles.

The strip casting method can also make stronger steel, requiring less steel in finished products, reducing weight and associated costs.

Assoc Prof Stanford was appointed as part of a new \$2m fellowship program aiming to increase the number of female researchers in UniSA’s Future Industries Institute. In partnership with UniSA and University College London’s (UCL) Faculty of Engineering, Santos has provided \$2 million to fund the research fellowships.

“It’s a great opportunity to do something with impact – my research has always been very practical,” Assoc Prof Stanford says. “And it’s also an opportunity to do new things with new people and to apply my skills to other people’s projects.”

The fellowship program also supports UniSA’s role in Australia’s [Science in Australia Gender Equity \(SAGE\)](#) project. Modelled on the UK’s Athena Swann Charter, SAGE is a partnership between the Australian Academy of Science and the Australian Academy of Technological Sciences and Engineering, to address the systemic barriers to women’s career advancement.

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The joy of missing out: How to stop your social media addiction

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by Rebecca Baker, *The Advertiser*



HUMANITIES

There's increasing recognition about the benefits of limiting the time you spend on digital devices.

> [Tips to disconnect](#)

It's official: We're getting better at caring less about what others post on their social media feeds — or at least we're trying, according to Adelaide academics.

UniSA digital literacies lecturer [Jennifer Stokes](#) says there's growing local interest in the global phenomenon JOMO (joy of missing out).

"JOMO is a pushback against FOMO (fear of missing out) ... people are stepping back and deliberately disconnecting from their devices, they are saying 'I don't care what people are doing, I am happy with my own life ... I can go out into nature and don't need to document and share it'," Stokes says.

"We've seen a lot of research around FOMO and its link to increased levels of anxiety and depression as people constantly try to compare their lives to others on social media ... (the issue is) they're not looking at realistic depictions of other people's lives but rather the best bits, a highlights reel, if you like."

As part of her course work at [UniSA College](#), Stokes provides students with strategies to help them manage life in an age of constant connectivity, including simple things such as swapping a smartphone alarm with an actual bedside clock, leaving their mobile in another room.

It is something Gabrielle Kelly, who heads up SAHMRI's Wellbeing and Resilience Centre, sees value in.



UniSA lecturer Jennifer Stokes was interviewed about JOMO on the Nine Network's *Weekend Today*.

“It’s true to say everyone we talk to — and we talk to thousands of South Australians about wellbeing — share their stresses and the strains of being subject to global flows of information arriving on their desktop and telephone,” she said.

“(Many people) are feeling overwhelmed and stressed and unable to cope with all these inputs coming in, (so) are deciding to limit digital media as a way of building life satisfaction. There is growing evidence people are reassessing their digital use, particularly around social media and how much time they want to invest in (it).”

In the workplace too, there are moves to disconnect.

“We are seeing some really progressive moves in this space — in France, a ‘right to disconnect’ law means workers don’t check work emails outside certain hours,” Stokes says.

“It would be positive to see a similar sort of thing here ... hopefully, over time, we’ll see a shift where people will be able to say ‘this is my time when I am going to be disconnected and when I come back, I’ll be refreshed.’”

UniSA lecturer [Dr Silvia Pignata](#), whose background is in work and organisational psychology, agrees. She wants organisations to come up with policies and procedures that limit the amount of time people spend on digital devices for work, outside office hours.

“There is a recognised important need for people to be able to detach and switch off from work so they are not constantly ruminating about an issue at work or thinking about what they need to do tomorrow — or didn’t get done today,” she said.

“There shouldn’t be an expectation employees will always be available ... it is important for managers and supervisors to really clarify their expectations regarding how much employees should be using their devices in non-work hours.” Dr Pignata said it was counter-productive to be “switched on” for work 24/7.

“It’s really important for people psychologically to be able to switch off from work — to exercise, spend time with their family and just do whatever they want — to be able to recover from the stresses during the week and feel a lot more able to face the next work day,” she said.

“Around the world work stress is increasing ... it is the pressure of internationalisation, new technologies, competition, mergers — and trying to do more with less staff.

“People are feeling insecure in their work so they are feeling pressured to answer those emails, check their phones ... that level of job insecurity is growing in so many organisations across the globe.”

Dr Pignata is hoping, along with colleagues interstate, to look more closely at what is now happening in workplaces across Australia — according to a recent survey by professional-networking site LinkedIn, 70 per cent of employees say they never disconnect from work, even on holidays.

“We are hoping to look at what companies are doing and see if it is effective, from there we can start building up some strategies, perhaps even interventions, and processes for workplaces to use,” she said.

Technology giants also appear to be recognising the growing trend to temporarily “turn off” with companies such as Google and Apple adding features to help users track their digital use.

While emerging technologies, including new phone-call only mobiles designed to be used “as little as possible”, and social media movements such as “Screen free Saturdays” and “Quit Facebook Day” are also increasingly popular.

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The Advertiser feature article, 21 August 2018.

Tips to disconnect

By [Jennifer Stokes](#), UniSA lecturer in digital literacies

- Keep your phone out of your bedroom at night to avoid the temptation of checking emails/messages.
- Get an old-fashioned alarm clock for your bedside table, to avoid having to use the one on your smartphone.

- Turn off notifications — rather than having the technology dragging you in all the time, make it your choice when you connect with the technology.
- Focus on creativity. If you don't disconnect it becomes very hard to come up with original concepts ... you'll find some of your best ideas will come when doing something repetitive and physical, such as going to the gym or a walk, even housework.

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news

September 2018

> from the University of South Australia

From the Chancellery

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Will they, or won't they? You've got to go back to 1987 and Scott and Charlene to find a greater question of our time: Will UniSA and Adelaide University merge, or won't they? When we released the [discussion paper](#) in August we set about exploring whether creating a new university through merger was a good idea. What we need to do, and what we are currently working through is asking, is it the right idea?

We have, in front of us, a great opportunity to determine the future course of our University. And a merger is not, by any stretch of the imagination, the only answer. That's why we have asked for your input. What you think is of great importance in this matter. You know UniSA from the inside out – what we do well and what we could possibly do better.

You understand exactly how we educate our students for professional careers and how our research, inspired as it is by global challenges and opportunities, delivers economic and social benefits and which informs our teaching. You help us open the door to socially disadvantaged students who, after graduating, go on to make enormous contributions to their communities. You've got the inside track on what makes UniSA the great institution it is. You've probably got a view about its future.

I'm extremely proud of the culture of our University and the fact that our staff work **for** UniSA, not just **at** UniSA. It is because of you that we are Australia's University of Enterprise, known for relevance, equity and excellence. I'm equally proud of the fact that we can and do have open and robust conversations and debate about how we chart our future course and how we construct those futures together.

So whether you think that that future is the creation of a new university through merging with Adelaide University or it's the ramping up of solo excellence through [Enterprise25](#), it's time to share your view. This merger exploration was and is open to everyone and we want to hear what you think. You have until 5pm on 21 September to make your views known via newuniversity.nousgroup.com.au.

Take the opportunity, have your say – it means a lot – your voice, your vision for UniSA ... wait ... didn't we use that back in 2013 ...?

Professor David Lloyd
Vice Chancellor and President

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 **University of South Australia**

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ACHIEVEMENTS

Prof Lloyd Sansom receives one of pharmacy's highest honours

UniSA [Emeritus Professor Lloyd Sansom](#) has been awarded one of pharmacy's highest international honours – the International Pharmaceutical Federation's (FIP) André Bédard Award.

Prof Sansom, one of Australia's most distinguished pharmacists, received the award at the opening of the 78th World Congress of Pharmacy and Pharmaceutical Sciences in Glasgow, UK.

The André Bédard Award is the International Pharmaceutical Federation's highest pharmaceutical practice award and is given every two years. It's awarded to a pharmacist who is an outstanding practitioner and who has made significant contributions to pharmacy at the international level.

Prof Sansom says he was honoured to be recognised by the International Pharmaceutical Federation and to join previous recipients of the award.

"But like all recipients, it is also recognition of all pharmacists who continue to develop pharmaceutical practice for the betterment of the health of consumers," he says.

"It is a privilege to be a part of this profession."

Prof Sansom has played a major role in the development of Australia's National Medicines Policy and was the chair of the Australian Pharmacy Advisory Council from 1990-2000. He has sat on numerous government and industry advisory groups, including as chair of the Pharmaceutical Benefits Advisory Committee from 2001 to 2012.

Prof Sansom was head of UniSA's School of Pharmacy and Medical Sciences before retiring in 2000. In 2002 he was made an Officer in the Order of Australia for contributions to pharmaceutical education and research and to the development of Australia's National Medicines Policy.

Among his other roles, Prof Sansom is chair of the Medication Reference Group of the Australian Safety and Quality Commission. He is a Fellow of the Pharmaceutical Society of Australia and an honorary member of the Royal Pharmaceutical Society of Great Britain.



Professor Lloyd Sansom receiving the International Pharmaceutical Federation's (FIP) André Bédard Award in Glasgow.

 FIP @FIP_org [Following](#)

Lloyd Sansom (Australia) awarded FIP's André Bédard Award for his outstanding contribution to #pharmacy at an international level.
#FIPcongress #FIP2018



12:49 AM - 3 Sep 2018

The International Pharmaceutical Federation

Prof Jana Matthews named in list of 100 Women of Influence

tweet about Professor Lloyd Sansom's award.

The director of UniSA's Australian Centre for Business Growth, [Professor Jana Matthews](#), has been named as one Australia's 100 women of influence by a leading business and finance publication.

Prof Matthews, who is also ANZ Chair in Business Growth, has been named in the 2018 [The Australian Financial Review 100 Women of Influence](#).

The list features women working across a spectrum of industries demonstrating a strong sense of commitment to a cause. This year's list was chosen from a record 850 entries.

Prof Matthews says she was honoured to be selected as one of the 2018 AFR 100 Women of Influence.

"My personal mission is to help CEOs understand how to lead companies that will enable employees to perform at their best, deliver products and services that customers value, grow and create jobs, generate wealth, and contribute to healthy communities," she says.

"In four years, we've worked with more than 600 Australian CEOs of small and medium companies (5 - 200 employees) and helped a very high percentage of them achieve sustainable growth. Since there are more than 250,000 companies in our target market, there is still a lot of work to do!"

UniSA Pro Vice Chancellor (Business and Law) [Professor Marie Wilson](#) says Prof Matthews' selection is a great achievement.

"Our ANZ Chair in Business Growth, Professor Jana Matthews, is enabling business growth throughout the country and leading new conversations regarding the policy and support that growing organisations require," Prof Wilson says.



UniSA research assistant wins scholarship to attend World Hospital Congress

UniSA Research Assistant [Jayden Nguyen](#) will take part in the 42nd World Hospital Congress in October after winning a national scholarship for early career health professionals.

Jayden is currently working on a study, led by [Professor Alex Brown](#), to understand why diabetes is so prevalent in South Australia's Aboriginal community and what markers can be identified to predict complications associated with Type 2 diabetes.

He is based in the [Wardliparingga Aboriginal Research Unit](#), which is a joint project between the South Australian Health and Medical Research Institute and UniSA. Nguyen, who is of Narrungga (Point Pearce) and East Arrente (East of Alice Springs) descent on his mother's side, and Vietnamese descent on his father's side, is the Metropolitan Coordinator for the [Aboriginal Diabetes Study](#).



"My work as a Research Assistant over the past two years has given me the opportunity to learn and better understand approaches to Aboriginal and Torres Strait Islander health research," Nguyen says.

"It has also given me exposure to the many social and health disparities that Aboriginal people are challenged with in their day-to-day lives, and how research can make a difference through addressing these social inequities for Aboriginal people and their communities."

Nguyen has been awarded a 42nd World Hospital Congress [Scholarship](#) for Aboriginal and Torres Strait Islander Early Career Health Professionals.

The scholarship helps develop the careers of up and coming Aboriginal and Torres Strait Islander health professionals through the opportunity to participate in the [42nd World Hospital Congress](#) from 10 to 12 October 2018 in Brisbane.

"I am very excited to attend my first international conference," Nguyen says. "I believe that I will gain invaluable experience from attending the conference and I'm really eager to take this opportunity to listen to international

presenters speak about the areas of my interest in; Indigenous health, health economics and health technology.”

The scholarship was made possible by the Australian Healthcare and Hospital Association (AHHA), HESTA Australia and the Lowitja Institute.

The World Hospital Congress brings hospital and health service leaders from around the globe together to share views and experiences, network and develop excellence in healthcare and hospitals leadership.

Student successes at World University Championships

UniSA students competing at World University Championship events across the world have won three medals.

Occupational Therapy student Lauren Kildare and Exercise Physiology Honours student Alice Gregory won silver in the Rugby Sevens' Championships in Namibia, Africa.

Human Movement / teaching student Caitlin Adams won a bronze medal in the mixed team relay at the World University Cross Country Championship in St Gallen, Switzerland.



UniSA students Lauren Kildare and Alice Gregory won silver in the in the Rugby Sevens' Championships in Namibia, Africa.

With those students claiming two of the 10 medals earned by Australian student-athletes across 22 championship events in 2018, it signifies a very successful year for UniSA.

Lauren and Alice competed in the World Uni Sevens' Championships in July this year, winning game one against Belgium 17-10 followed by a 36-0 win over Brazil. Although they stumbled against the favourites, France, it was still enough to secure them a place in the semi-final, in which they beat South Africa 21-10 to gain a place in the grand final.

Despite Alice scoring a try in the final, it wasn't enough to beat France. They went down 7-24 and received the silver medal.

In April this year, Caitlin competed in the women's cross country event, where she ran 10km along a course full of hills, log barriers and potholes.

Caitlin finished 14th out of 60 competitors and was the second placed Australian.

“I was very proud of this result as I know that I raced tough and left everything out on the course,” she said.

“Being my first open age international event, I have learnt a lot from the experience as an athlete and am very hungry for the next opportunity.”

Australia won the team bronze medal with the first two male and female finishers from each country being awarded points in that category.

All three students received an [Amateur Athlete Grant](#) from UniSA Sport to help fund their travels to compete.

Order of Australia for Alice Rigney

Australia's first Aboriginal school principal and lifetime campaigner for better models for Aboriginal education, Dr Alice Rigney, has been posthumously awarded an Order of Australia at Government House this month in recognition of her outstanding contribution to education.

Dr Rigney was in the first cohort of Aboriginal teachers to graduate from the Delissa Institute and established the first Urban Aboriginal School in Australia where children were taught in their own language as well as English and where Aboriginal culture was also on the curriculum.

An Elder of the Kaurna and Nurungga Aboriginal nations, she was the first Aboriginal person to join the professional ranks of the South Australian Department of Education.

Post teaching, she took on significant roles in the South Australia's Guardianship Board and Aboriginal Education, Training and Advisory Committee, and nationally, as Ambassador for the Commonwealth Department of Education, Science & Training's National Indigenous English Literacy and Numeracy Strategy.

She was awarded an Honorary Doctorate from UniSA in 1998.



UniSA granted more than \$2.5m to improve the food and mining industries

UniSA is part of two new research consortia to transform the mining and food industries with funding from the State Government's [Research Consortia Program](#).

Transforming South Australia's mining actor

The \$14.6m *Unlocking Complex Resources* through Lean Processing research consortium, aims to create a more efficient mineral processing chain.

UniSA has been granted \$1.6m over four years and is providing \$400,000 cash support in addition to in-kind support, with the funds being used to recruit and train five PhD students and one post-doctoral researcher.

A major challenge in mineral processing is the variable characteristics of ore. Research at UniSA will focus on the use of sensors to better characterise ore in real-time and to monitor key stages of processing. This will lead to more efficient processing.

The research consortium will involve a variety of end-users including BHP and OZ Minerals and the University of Adelaide as a key research partner.

The UniSA investigators include [Professor William Skinner](#), [Associate Professor David Beattie](#), [Professor David Lancaster](#) and [Dr Marta Krasowska](#).

Turning food waste into valued products

The \$10.9m *Agricultural Product Development* research consortium aims to transform agricultural waste into high value products

UniSA has been granted more than \$1m over four years and is providing more than \$200,000 cash support in addition to in-kind support, with the funds being used to recruit and train two post-doctoral researchers.

Waste generated in the agricultural sector is often disposed of at cost to the producer. The research will focus on converting biological compounds in agricultural waste into commercial products. The value of these products is diverse; some compounds could be used for their medicinal potential, while others are useful for their structural properties.

The research consortium involves 18 partners based in South Australia, interstate and around the world. UniSA will work with the University of Adelaide and CSIRO as key research partners.

The UniSA investigators include [Associate Professor David Beattie](#) and [Dr Marta Krasowska](#).

ANNOUNCEMENTS

UniSA helps space startups in the State's first space incubator

Five startup companies in the space sector have been chosen to participate in the State's first space incubator program ([Venture Catalyst Space](#)), delivered by UniSA's [Innovation & Collaboration Centre](#).

The following five companies will work closely with the ICC's Entrepreneur in Residence, [Kirk Drage](#), and a network of expert advisers, over six months to test their ideas and develop their businesses.

- Ping Services (SA)
- ResearchSat (SA)
- Wright Technologies (SA)
- Safety from Space (SA)
- Tekuma (NSW).



Vikranth Minhas and Raviteja Duggineni from the space startup ResearchSat.

The companies will receive a series of workshops, one-on-one mentoring, workspace, a stipend and the opportunity to pitch for a fully-funded overseas tour to network with relevant space industry primes, investors and other startups.

More information is available on the [ICC website](#).

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University of
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Researcher dishes the 'dirt' on potential obesity cure

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by Annabel Mansfield



HEALTH

New research suggests refined clays could be used to soak up digested fats and oils present in foods we eat.

> [Could eating soil from the garden stop you getting fat?](#)

Investigating how clay materials can improve drug delivery, UniSA researcher and PhD candidate Tahnee Denning serendipitously discovered that the clay materials she was using had a unique ability to “soak up” fat droplets in the gut.

Denning says this accidental discovery could potentially be a cure for obesity.

“It’s quite amazing really,” Denning says. “I was investigating the capacity of specifically clay materials to improve the oral delivery and absorption of antipsychotic drugs, when I noticed that the clay particles weren’t behaving as I’d expected.

“Instead of breaking down to release drugs, the clay materials were attracting fat droplets and literally soaking them up.

“Not only were the clay materials trapping the fats within their particle structure, but they were also preventing them from being absorbed by the body, ensuring that fat simply passed through the digestive system.

“It’s this unique behaviour that immediately signalled we could be onto something significant – potentially a cure for obesity.”

Being overweight can cause serious health conditions such as cardiovascular disease, Type 2 diabetes, and some cancers.

According to the [Australian Institute of Health and Welfare](#), obesity is increasing with almost two in three adults, and one in four children, now overweight or obese. And if its prevalence continues, nearly [half the world's population is expected to be overweight or obese by 2030](#).

With few effective drugs existing to counteract obesity, many companies are investing huge amounts to discover and develop alternative treatments for obesity.

Using rats fed a high-fat diet, Denning’s research compared the effects of montmorillonite – a natural clay material, purified from dirt; laponite – a synthetic clay; a placebo; and a leading weight loss drug – orlistat. Monitoring over a two-week period, she found that while both of the engineered clay formulations and orlistat delivered weight loss effects, the clay material outperformed the drug.

Denning says the findings offer new insights for obesity and weight management, particularly when used in combination with the commercial drug, where there is potential for synergy.

“Our processed clay has an unusually high surface area which means it has a huge capacity to interact with and soak up digested fats and oils present in the foods we eat,” Denning says.

“Orlistat on the other hand, is an enzyme inhibitor that blocks up to 30 per cent of dietary fat digestion and absorption, which leads to weight loss, but has unpleasant side effects such as stomach aches, bloating, flatulence and diarrhoea, which limits its use in weight loss as people choose to stop using it.

“What we’re researching now is a synergistic approach with both the clay material and orlistat: the orlistat blocks the enzyme that digests fat molecules, and the clay particles trap these fats so they’re excreted out of the body without causing gastrointestinal disturbances.

“We’re essentially attacking fat digestion and absorption in two different ways and we hope this will lead to greater weight loss with fewer side effects.”

UniSA [Professor Clive Prestidge](#), who is Denning’s research supervisor, says the research has already captured the attention of potential investors.

“This is a significant discovery that provides new and exciting avenues for weight loss research which naturally attracts potential commercial partners,” Prof Prestidge says.

“With a finding like this, people will naturally be keen to find out when they can try it. Given that the material is generally considered safe and is widely used in food and nutraceutical products, it is feasible that human clinical trials could start reasonably soon.

“Watch this space.”

Could eating soil from the garden stop you getting fat?

No. And it’s also unsafe.

Denning says the ‘dirt’ used in her research was a type of natural clay, montmorillonite, and a synthetic clay, laponite, both of which have been manufactured and purified to meet strict regulatory requirements. This process ensures it is safe for human use.

“Common garden soils do not possess the same absorbent properties as montmorillonite and laponite clay materials and thus will not cause a weight loss effect,” Denning says.

“Eating dirt is likely to be dangerous as soil can contain worms, animal faeces, fungi and heavy metals including lead.”

People who eat it also risk contracting parasitic and bacterial infections.

Our great big “dirty” problem

Watch Tahnee Denning talk about her research in UniSA’s Three Minute Thesis (3MT) grand final.

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More academics needed to fuel growth in online study

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by Amy Tran



COMMUNITY

UniSA is recruiting for a range of new Online Course Facilitator positions.

> [Educating professionals in the digital era](#)

In the last five years, Australia has seen tremendous growth in online education, with one in five students now choosing to study online. As UniSA Online enters its second year of operation, a recruitment drive is under way to scale up the academic team to meet the demand of increasing student numbers.

UniSA Online Academic Director, [Associate Professor Barbara Parker](#), says the team is looking to attract experienced academics and industry professionals who are passionate about educating students in the digital era.

"We're recruiting to fill a range of new Online Course Facilitator positions and these academics will play a key role in leading the delivery of our 100 per cent online degrees, across varied disciplines," Assoc Prof Parker says.

"We're looking for people with expertise covering a wide range of areas, such as accounting, social work, public health, building surveying, communications, law, software engineering and digital media."

Assoc Prof Parker says UniSA Online degrees cater to a different type of student demographic.

"Our online students come from a different stage of life compared to our on-campus students. A majority are

aged in their 30s and 40s, have family commitments and are working while juggling their study. In addition to this, over half of the student cohort live interstate – so having an enhanced support offering has been really critical.

“The importance of a quality student experience is at the heart of UniSA Online – and experienced academics with strong industry links are a critical part of that,” she says.

UniSA Online offers 100 per cent online degrees designed specifically for online learning in key areas including business, health, construction, communications and media and information technology.

For more information on the roles currently advertised, visit the [UniSA Online vacancies website](#).

Educating professionals in the digital era

Having taught face-to-face for a number of years, Online Course Facilitator (OCF) for UniSA Online’s Communication degree, [Kim Burley](#), says online learning is a great opportunity to use different methods and media to engage with students.

“I’ve been a lecturer and course coordinator at tertiary institutions in Adelaide, Melbourne and Vietnam for on-campus degrees for nearly 10 years, but it wasn’t until 2014 where my passion in online teaching began when I started developing and delivering online courses for UniSA’s Graduate Diploma in Communication (Public Relations),” Burley says.

“When the OCF roles came up, I was keen to develop my online teaching skills and knowledge further, and since I had worked with a number of members of the UniSA Online team already, I thought they would be wonderful, knowledgeable and hardworking teammates to have.”

Burley says UniSA Online is doing some really innovative things in the online learning space.

“We’ve created media-rich course materials, including high-quality videos and interactive quizzes – and we’ve carefully structured the courses so that students can scaffold their learning and engage with material on a regular basis.

“The benefit of online learning is that you can access the material 24/7, and we dedicate a lot of time to ensuring our students feel connected and supported.

“As OCFs, we make sure students are really engaging with the material in a way that suits their learning styles – and we use the range of technology available to us to help facilitate this engagement,” she says.

Having worked as a communication manager for the Australian Government, as well as in marketing in the corporate sector with organisations such as KPMG, Burley says her industry experience has helped her understand some of the professional backgrounds from which students come.

“Many of our students are currently working in the industry and want to upskill to elevate their career,” she says.

“I’ve been able to connect students with my industry network and professional associations in Adelaide and Melbourne. Other students have also been interested in attending industry association events such as the Public Relations Institute of Australia events and Social Media Marketing day.

“I think students really value having academics who can provide opportunities and expand their professional network while they’re studying.

“It’s been wonderful getting to know the students, and I think they’ve appreciated getting to know me too.”

Visit the [UniSA Online website](#) for more information.



Online Course Facilitator (OCF) for UniSA Online’s Communication degree, Kim Burley.

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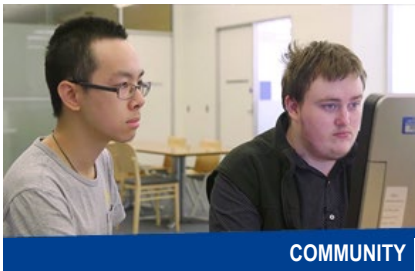
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New Chancellor advocates UniSA's can-do spirit

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by Susan Lamont



Chancellor Pauline Carr says there's an inherent pride in all the people she's come across at UniSA, who are determined to do everything to the best of their ability and want to make a difference.

UniSA's new Chancellor is disciplined, outcomes-focused and likes getting things done.

Pauline Carr has built a 30+ year career bringing her executive experience, business improvement, governance, compliance and risk management consultancy services to a range of companies in the resources, construction and superannuation sectors.

She was invited onto UniSA's [Council](#) in 2010 and was appointed Chancellor last month. She has been chair of the Council's [Audit and Risk Committee](#) and a member of both the Finance Committee and the [Senior Remuneration Committee](#). Throughout her time on Council she has had an oversight role over the University's rapid growth through two chancellors, two vice chancellors and several changes at senior management level to an imminent will they/or won't they merger discussion with Adelaide University.

During her eight years so far, she is happy to report that the institution has remained energetic, youthful and way ahead of where it might be (she dislikes the phrase "punching above its weight").

The University got to where it is through hard work, discipline and planning and implementing good decisions, a regimen that Carr, a firm believer in the business-case – evidence as the foundation of good decisions – intends to continue.

"Getting things done, making a difference is easiest to achieve in organisations that are young and tend to have those attributes," she says.

"I think that agility, that responsiveness, that openness to the idea that 'we can always do it better, we have the discipline and the skillsets to implement it better and we can do it sooner than anybody else' is actually very appealing and is an incredibly important part of what makes UniSA so special."

Although UniSA is only 27 years old, Carr believes the University will still be as strong and vibrant – and as enterprising – on its 127th birthday.

In many ways Pauline Carr's life mirrors that of a UniSA student. She is a country girl, born on the east coast of the Eyre Peninsula, and was the first in her family to attend university. Because her local school only went to Year 11, she moved to Adelaide to finish high school. Itchy feet then took her on to Canberra, to Australian National University (ANU) where she took a bachelor's degree in economics.

She was part of the graduate intake into oil and gas giant Esso Australia (now Exxon Mobil) in Sydney where she worked as a financial analyst. American companies tend to put their best people into internal auditing and there she went, fast-tracked to management. She became an accountant looking after among other things, community relationships, sponsorships and government relations.

Seven years and a lot of travel later she returned to Adelaide to a role with Normandy Mining, making the adjustment from the large multinational entity that Esso was, to the young, agile and ambitious Normandy Mining Limited. Carr was a member of the executive team and an integral part of the company's growth and international expansion through mergers and acquisitions, which led Normandy to become Australia's largest gold mining company, the fifth largest in the world. She eventually took an executive role with Newmont Mining Corporation, the world's largest gold miner, which took over Normandy.

In her career, which has included several board positions – she is chairman of National Pharmacies, a non-executive director of ASX-listed Highfield Resources Limited, a board member of the SA Government's Minerals and Energy Advisory Council and the deputy chair of the South Australian Minerals and Petroleum Expert Group – Carr has come across her fair share of institutions that might “do planning exceptionally well, but find the real challenge lies in implementing those plans”.

That is not what she found at this University.

“There is an inherent pride in all the people I've come across at the University who do want to do everything to the best of their ability and do want to actually make a difference,” she says.

“They have the discipline, the foresight and the courage to do something well, and then review the results to learn from them.”

No surprise then that the three words that she chose to live by, now embedded into the DNA of [Pridham Hall](#), are Plan. Do. Review. However, she credits vice chancellors and senior management with walking the talk and cascading an appropriate culture down throughout the organisation.

“The University has always had such wonderful values, particularly its commitment to access and equity and these are values that are truly shared across the board throughout the institution,” she says.

Given her areas of expertise in governance, compliancy and risk management she has a very high attention to detail and likes things done exceptionally well.

“The role of the Council and the Chancellor is not only to make properly informed decisions that support our charter, particularly the need to provide education programs to those who may be disadvantaged, but to provide a mentoring role, to act as a bridge between the University, the business world and the broader state and national communities,” Carr says.

One of the highlights of her new role as Chancellor, she says, will be officiating in graduations where she will, on any given graduation event, personally award 300 or more parchments to graduating students.

“Graduations is an absolute highlight,” she says. “I think we go out of our way to make it a truly special experience for graduands. And the joy on their faces is amazing. I love it. And I tell graduating students who might think of giving the ceremony a miss how special it is, how they'll always remember that day. I think it's important that they celebrate the moment because we really don't celebrate enough in modern life.”

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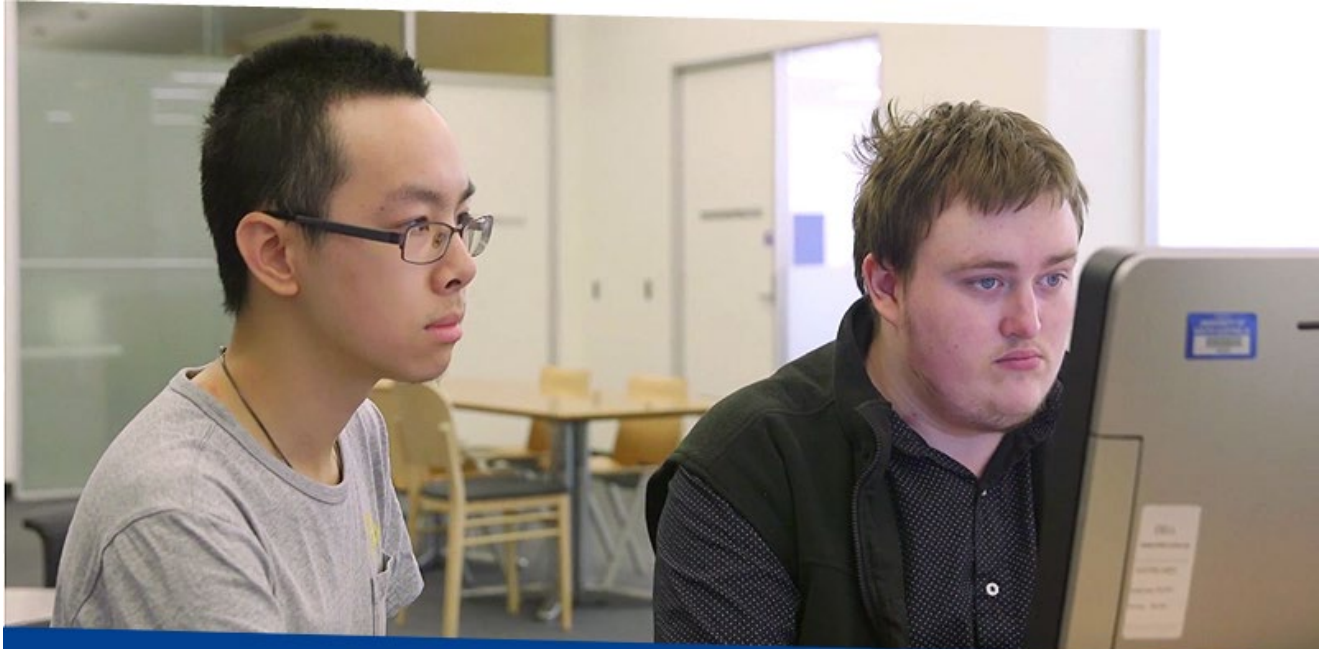
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Program to boost job prospects for neurodiverse students

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by Candy Gibson



COMMUNITY

UniSA Mechanical Engineering (Honours) student Carlos Tam and IT (Games and Entertainment Design) student Brandon Cooney-Day took part in the Dandelion Program with DXC Technology. The program allows candidates on the autism spectrum to showcase their skills and strengths by programming a NAO robot.

Tertiary students with autism and other neurological conditions will be supported to find employment thanks to a new partnership between UniSA and one of the world's leading IT services companies.

UniSA and [DXC Technology](#) have signed an agreement to establish a [neurodiversity hub](#) which will help prepare targeted students for careers and work environments suited to their personalities.

The hub will focus on UniSA students on the autism spectrum and those with post-traumatic stress disorder, dyslexia, anxiety and other related conditions, finding them work experience and internships in a range of IT organisations.

UniSA joins Curtin University, the University of Queensland, Swinburne University of Technology and Macquarie University – and is the only South Australian university – to establish a neurodiversity hub in collaboration with DXC Technology.

The neurodiversity hubs have evolved from DXC Technology's (formerly Hewlett Packard) [Dandelion Program](#) which was launched in 2014 to integrate people with autism into their workforce, capitalising on their IT strengths.

UniSA Pro Vice-Chancellor: Student Engagement and Equity, Dr Laura-Anne Bull, says people with autism have



Students from The Heights School, who are on the autism spectrum, interact with a robot programmed by UniSA students as part of the Dandelion Program, which focuses on building the careers and skills of people on the autism spectrum into a number of IT roles.

long been overlooked in the workplace.

“This is partly due to the challenges some of them have with communication and social interaction,” she says.

“These challenges overlook the fact that nearly half of those diagnosed with autism have above-average intelligence, excellent visual perception and are task-focused. This makes them ideally suited to many jobs in the IT sector, including cyber security, testing and data science.”

In Australia, just 34 per cent of people on the autism spectrum are employed, compared to 53 per cent of people with physical disabilities.

The hub will be run by UniSA’s Student Engagement Unit, helping to build a pipeline of graduates for neurodiverse-friendly employers and to further research in neurodiversity.

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White wine may be clouding your head and the environment

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by **Candy Gibson**



SCIENCE AND TECHNOLOGY

Know that hazy feeling you get after drinking a few glasses of white wine? Well, the environment is feeling it too – to the tune of 250,000 tonnes of carbon dioxide each year.

That's the annual amount of CO₂ being released into the atmosphere due to inefficient production processes involved in making white wine, according to UniSA doctoral candidate Brian Murphy.

Murphy, who won the 2018 UniSA Three Minute Thesis (3MT) grand final in August, says the haze-forming proteins in white wine are well known, but the removal processes are still stuck in centuries-old traditions.

"A simple glass of white wine has a production inefficiency equivalent to New Zealand's entire annual white wine production," says Murphy, a PhD student in UniSA's School of Engineering.

"In the white wine-making process, certain proteins are exposed to heat, causing an otherwise clear white wine to go hazy. If this occurs after the bottling process it becomes a major concern for producers who stand to lose millions of dollars in lost sales."

Murphy is experimenting with new nano-engineered materials to remove those haze-forming proteins, so consumers can enjoy a crystal-clear glass of white wine, safe in the knowledge they are helping the environment as well.

"Essentially, I'm creating surface active agents – molecules called micelles – and integrating them with a simple

Making white wine crystal clear

Watch the winning Three Minute Thesis by UniSA doctoral candidate Brian Murphy.

particle of sand to remove the proteins at the nano level. By re-engineering the surface of these particles, we can improve the production process, removing any risk of haziness.”

He says early results are promising, showing not only that proteins can be removed using this process but – more importantly – the quality and taste of the wine is not adversely impacted.

“It’s a win-win situation all round,” he says. “Production processes are improved, saving time, money and the environment, and consumers can be guaranteed of crystal clear white wine.”

Murphy was one of eight finalists who pitched their research in three minutes to a packed audience at UniSA’s City West campus on 23 August. The event was co-hosted by [The Bob Hawke Prime Ministerial Centre](#).

He won not only the judges’ vote, collecting \$3000, but also the \$1000 People’s Choice Award, rewarding him with a \$4000 research travel grant in total and a place in the Asia-Pacific 3MT national finals to be held on 27 September.

The second placegetter was Tahnee Dening, who is researching a potential solution to tackle obesity using clay, which absorbs fats. Equal third place went to Jeff Ansah (using social media to predict protest events) and Joe O’Leary (accurate tracking of GPS satellites).

Dean of Graduate Studies, [Professor Pat Buckley](#), says the audience was very appreciative.

"Important research, told compellingly by smart researchers, is a winning formula," she says.

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MOD. through the eyes of a 20-year-old

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by Geena Ho



COMMUNITY

Geena Ho, 20, at MOD. on North Terrace (MOD. is located next to Morphett Street bridge).

This is the second in a series of articles looking at UniSA's new futuristic museum of discovery, MOD., through the eyes of people of different ages – particularly younger audiences. MOD.'s first exhibition, MOD.IFY, prompts visitors to think about one of the big questions – what is it to be human?

We asked third-year UniSA journalism student Geena Ho to explore MOD., and capture her reactions to the current exhibition.

Name: Geena Ho

Age: 20

Studying: Bachelor of Journalism and Professional Writing; and Bachelor of Arts (English and Creative Writing)

Interests: Anything related to food or puppies.

Hobbies: I love blogging, photography, and playing piano in my spare time.

Career aspirations: I aspire to enter the journalism and media world in the online or social media landscape.

First impressions

As I walk through the glass sliding doors into MOD. and step into the hustle and bustle of the lobby, the clanking of the coffee jugs from [Food Lore](#) and indistinct chatter fill the large room.

I take a pamphlet from the stand welcoming me at the entrance of MOD. with 'IT'S NOT WHAT YOU KNOW' prompting my mind into a marathon of thoughts.

Purle Munaintya

I look around and notice the crowd of visitors dense towards my right where the long corridor is decorated by a never-ending black screen with nothing but a glowing handprint tempting my curiosity.

I tentatively lay my left hand on the handprint, unsure what to expect, when the glowing outlines of the print disperse cinematically into thin air and a woman appears on the screen.

I continue down the hall with visions of her enchanting tale of the stars still reflecting in my eyes.

Our Sky

Down the hall, I'm met with the haunting sight of our Earth rotating slowly in the centre of the room.

In this moment, I am alone and have the chance to look around and take in the constellations that surround me.

I look back at the giant display in the centre of the room. Is our Earth really that big? No, it's bigger.

Epiphany's Genesis 2

As I'm about to make my way back to the lobby to head upstairs, a patch of unexpected greenery catches my eye to the left.

Sitting on the artificial grass are three large, grey pods. I start to walk over slowly to inspect, before I realise they are chairs. Curious, once again, I sit down in the first one.

Swallowed by the chair's walls, my mind begins to wonder as I listen in on a conversation that seems to surround my entire being.

Where is the sound coming from? All around me.

Birds & Bees

The silence that envelops me as I'm walking up the stairs and heading down yet another long corridor is interrupted suddenly by the laughter and chatter of some uniformed children who are no doubt here on a school trip. They run around the first floor looking here and peeking there and I find myself following their antics to a hidden room down the end of the corridor.

I peer into the dark room, lit only by an omniscient neon purple light. I step in cautiously, careful not to knock into (or be knocked into by) one of the schoolchildren dashing around the room. I didn't have to worry for much longer, though, as they are quickly distracted and take off to the next exhibition.

"I feel like you just have to keep going forever," I hear one of them say as they zoom past me out of the room. What could she be talking about? Ah – this.

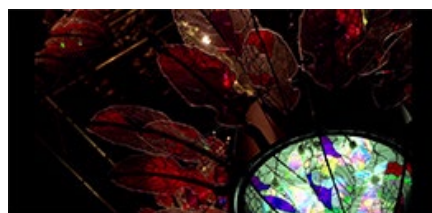
The room houses a long tunnel of striped lights. I step in, looking around, before slowly realising what's happening around me. When I look to my left, the wall of vertical striped lights makes it feel like time is fleeting by, but when I look to my right, the horizontal striped lights slows time right down to almost a halt. Almost.

Feeling Human

I wander into yet another dark room, once again, lit only by a few select neon lights.

This room is eerily quiet, as if it's waiting for something.

I look around slowly at the displays – a large flatscreen TV with a man



talking about something quite passionately, a podium with a square light projected on the ground beside it, and two futuristic-looking chairs deeper into the long room with a long light column extending from each, right into the ceiling.

I slowly make my way around the room studying every display. There is a deep silence, accompanied by the faint whirring noise of something.

These chairs are what fascinates me the most. Here to test my pain tolerance and interpretation. Yet I'm too scared to use them. What exactly is my interpretation of pain? I guess I'll never know.

As I walk through the glass sliding doors out of MOD. and step into the hustle and bustle of the city, the soft revving of car engines and faint tram bells fill the world around me.

I take out the pamphlet from the stand that welcomed me at the entrance of MOD. with 'IT'S NOT WHAT YOU KNOW' prompting my mind into a marathon of thoughts.



Would I recommend it?

I definitely recommend MOD. for curious-minded people of all age groups as there is something there to interest everyone.

The immersive and interactive nature of the exhibitions are enough to stimulate anyone's mind.

Visit MOD.

[MOD.](#) is open midday - 6pm Tuesdays to Thursdays; midday - 8pm Fridays; and from 10am - 4pm on weekends. Admission is free.

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New Books

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[Asia Literacy in a Global World: An Australian Perspective](#)

Understanding Ponzi schemes: can better financial regulation prevent investors from being defrauded?

A Ponzi scheme is one of the simplest, albeit effective, financial frauds to engineer – and new schemes keep coming forward. Despite this, people continue to invest in them. How are we to account for the seemingly never-ending lure of such schemes?

In *Understanding Ponzi schemes: can better financial regulation prevent investors from being defrauded?*, [Professor Mervyn Lewis](#) examines the cases of 11 of history's most infamous Ponzi scheme fraudsters, from Bernard Madoff to Allan McFarlane to Charles Ponzi himself.

It is through the discussion of these fraudsters and their tactics that Prof Lewis tackles the overarching questions: *How do Ponzi schemes work and why are they successful?* and *Can better financial regulation prevent investors from being defrauded?*

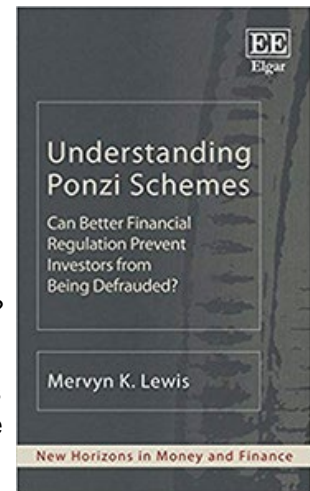
"My interest in the subject began with the shock discovery that many of my neighbours and acquaintances in the town in South Australia where I have lived for 47 years, were victims of a Ponzi operation perpetrated by a trusted and respected member of the community," Prof Lewis says.

Prof Lewis further analyses the different aspects of Ponzi schemes and how they differ from other financial arrangements such as pyramid schemes.

Eventually creating a list of eight main concluding points, Prof Lewis's *Understanding Ponzi schemes: can better financial regulation prevent investors from being defrauded?* provides an interesting and accessible insight into the minds of Ponzi schemers and their victims.

"Over-trusting, rather than gullible, is the perfect description of the victims, while unmitigated – yet plausible – scoundrel best applies to the fraudster," Prof Lewis says.

Published by Edward Elgar Pub, the book is available [online](#).



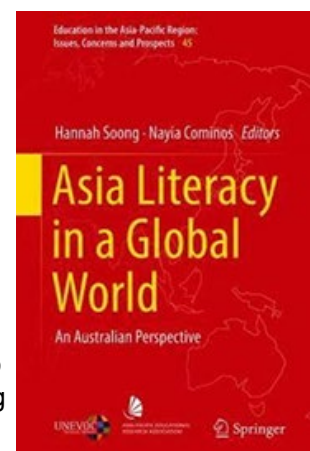
Asia Literacy in a Global World: An Australian Perspective

How much do we know about our Asian neighbours and the enormous economic, social and political influence they weave on our lives? How much do we see Asia as part of our national identity?

Not as much as we should, it appears – particularly given that Asian migrants now form 10 per cent of Australia's population and 71 per cent of our exports are destined for that region.

A new book co-edited by UniSA academics [Dr Hannah Soong](#) and [Dr Nayia Cominos](#), examines the role that Australia's education system can play to develop a deeper understanding of Asia – its languages, cultures, histories, and beliefs.

Asia Literacy in a Global World: An Australian Perspective offers a counter narrative to the neoliberal ideology of Asia literacy and encourages a more nuanced understanding of the world's fastest growing region.



The book is a nod to the education strategy that Australian schools embraced in 2012 after the release of a Federal Government [White Paper](#). The paper called for schools to incorporate Asian studies and languages in their curriculum, reflecting the nation's cultural and linguistic diversity.

This volume by Dr Soong and Dr Cominos is the latest in a [Springer book series](#) focusing on education in the Asia Pacific region, which accounts for 63 per cent of the world's seven billion people.

With Asia emerging as a global economic powerhouse fuelled by the purchasing power of a rapidly increasing middle class, it is crucial for Australians to engage more directly with the region, the editors argue.

"Around 27 per cent of Australia's population is born overseas, with people from Asia forming the largest ethnic group in our country, yet Australia's lack of social and cultural interaction with our Asian neighbours stands out," the editors write.

Representing Asia as a homogenous block tied to Australia's economic fortunes is problematic, the editors say, proposing some alternative strategies to engage with our neighbours.

The second half of the book presents a series of case studies analysing how successfully (or not) Australia's schools are integrating Asian knowledge into the curriculum via such things as student exchanges and teacher training.

Unsurprisingly, one of the biggest disappointments is the failure of Australian students to study an Asian language. In 2000, 24 per cent of Year 12 secondary students were studying Japanese, Chinese, Korean or Indonesian. This figure had slumped to just six per cent in 2014.

Analysing feedback from three student focus groups, the authors show that many Australian students are grappling with the significance of Asian identity, values, language and their future in a globalised world. Part of Asia literacy involves helping students to navigate this territory.

Asia Literacy in a Global World: An Australian Perspective is published by Springer and is available [online](#).



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Highlights from the Media Centre

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Adelaide's addiction to cars; the challenge of defence personnel transitioning back into everyday life; and the need for everyone to take responsibility for the protection of children – these are some of the latest stories from our [Media Centre](#):

[Adelaide needs to 'walk the talk' to become carbon neutral](#)

If Adelaide is to realise its goal of becoming the world's first carbon neutral city, residents and visitors need to cut down their car use and embrace public transport, walking and cycling.

That's the message from two UniSA urban planners, Professor Ali Soltani and Dr Andrew Allan, who are researching the transport habits of Adelaide's CBD residents and commuters.



A recently published report by the two academics shows some major obstacles towards achieving the carbon neutral goal – most notably the proliferation of CBD car parking spaces, which are also relatively cheap compared to other capital cities, and the lack of safe cycling routes.

[UniSA helps defence personnel to get their StoryRight](#)

They spend years in training, experience some of the most stressful decision-making conditions on the planet and understand both teamwork and self-sufficiency in ways that are never similarly tested in civilian life – but once they leave the forces, Australian Defence Force personnel can find it hard to get a job and settle back into everyday life.

UniSA has just entered an important partnership with the organisation [StoryRight](#), to deliver ex-service members training in the transition to civilian life and employment.

The StoryRight program offers one-day communication and presentation workshops, networking opportunities and mentoring by younger veterans who have, themselves, transitioned successfully back to "civvy street".



[Protecting children from abuse and neglect is everyone's business](#)

Australia needs a new approach to keep children safe from child abuse and neglect, according to UniSA's Deputy Director of the [Australian Centre for Child Protection](#) (ACCP), Associate Professor Tim Moore.

Assoc Prof Moore's focused on the importance of children's participation and the need for everyone to take responsibility for the safety and wellbeing of children – not just parents and carers.

"With one in four children reported to child protection services before the age of 10 in Australia, we need to look at what can be done differently in the future to keep our children safe," Assoc Prof Moore says.



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[Magill @ Twilight](#)

[Mawson Lakes Campus Day](#)

Magill @ Twilight

More than 400 people visited UniSA's Magill campus on 29 August for Magill @ Twilight. Prospective students and their families toured the facilities, spoke with lecturers and current students, viewed student work and enjoyed a bite to eat.







Mawson Lakes Campus Day

On 28 August hundreds of prospective students and their families attended the annual Mawson Lakes Campus Day. Mawson Lakes Campus Day provides students with an opportunity to find out more about engineering, information technology, environmental science, science, aviation, and mathematics at UniSA. It also gave students an insight into all that UniSA's Mawson Lakes campus has to offer including state-of-the art facilities such as the Minerals and Materials Building.







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