

2020 University Awards for Outstanding Achievement – Award recipients

Excellence in Research

An award for an academic staff member

Professor Peng Shi

Professor of Electrical and Electronic Engineering, School of Electrical and Electronic Engineering, Faculty of Engineering, Computer and Mathematical Sciences

Professor Peng Shi's research achievement in automation and control systems design, network systems, autonomous and robotic systems and cyber-physical/security systems is truly outstanding. Among the international recognition received for his ground-breaking research, Professor Shi has been named the *Most Cited Researcher in the World* in the area of Electrical and Electronic Engineering by *Times Higher Education UK* (2018), a *Top 10 World Hottest Researcher* by Clarivate Analytics (2017), and a *Highly-Cited Researcher* by Clarivate Analytics/Thomson Reuters in both engineering and computer science (2014 to 2017 inclusive). Professor Shi's research performance and large number of high-impact outputs have significantly contributed to the ranking of the University's Electrical and Electronic Engineering subject field as top in Australia by the Australian Ranking of World Universities in 2020. Over 50 research students, research fellows and junior staff have benefited from Professor Shi's strong research leadership and mentorship, with many going on to pursue their own successful careers.

An award for a professional staff member

Ms Elodie Janvier

Strategic Research Development Manager, Institute of Photonics and Advanced Sensing, Division of Research and Innovation

Mrs Elodie Janvier has been a key member of the executive team for the Institute for Photonics and Advanced Sensing (IPAS) since 2017. She is an intuitive and visionary leader, whose superb talents are ultimately demonstrated through the upward trajectory of IPAS's income and research outputs. Through her role as IPAS Strategic Research Development Manager, she has identified and implemented innovative solutions which have directly led to a substantial increase in the success rate of grant applications, an enhanced prestige for the University and its staff through additional awards, and an increase in grant income and research outputs for the University. She has played a key role in forging new and stronger relationships with IPAS and other organisations including the strategic engagement of the CSIRO. Mrs Janvier's unwavering dedication has been the driver of IPAS's enhanced performance over the last three years.

An award for an early-career researcher

Dr Jiawen Li

Externally-funded Research Fellow (B), Adelaide Medical School, Faculty of Health and Medical Sciences

Dr Jiawen Li is a well-respected early career researcher who is highly regarded by her peers. She uses her expertise in optical engineering to build hair-sized endoscopes to explore the body's organs, leading to early and accurate diagnoses of various diseases. She has won nine research grants,

published one book chapter, three patents and 23 journal papers – 14 as first or senior author with the vast majority published in Q1 Journals. She currently leads two multi-disciplinary projects, and her innovations have been utilised by companies in North America and Asia including Terumo, Conavi, Vivo Light and InnerMedical. The integrated imaging technology she has developed is being used in clinical trials to guide the treatment of coronary artery diseases. Along with her exceptional record of research publications, media coverage and international recognition, Dr Li's achievements have been recognised by numerous Awards, including the Australian Optical Society Geoff Opat Early Career Researcher Prize and the South Australian Women in Innovation Engineering Award.

An award for an academic, professional or mixed team

The Australian Collaborative Cerebral Palsy Research Team

Adelaide Medical School, Faculty of Health and Medical Sciences

Team representative: Emeritus Professor Alastair MacLennan

Dr Jesia Berry

Dr Mark Corbett

Dr Clare van Eyk

Miss Dani Fornarino

Professor Jozef Gecz

Ms Kelly Harper

Dr Suzanna MacLennan

Professor Luis Perez-Jurado

Health and Medical Sciences Faculty Office, Faculty of Health and Medical Sciences

Dr Jimmy Breen

The Australian Collaborative Cerebral Palsy Research Group is a high functioning, multidisciplinary team who have achieved exceptional research performance and international recognition. The ground-breaking research they perform has caused a paradigm shift in the understanding of the causes behind cerebral palsy. The impact of their work is significant– it is changing genetic counselling and family planning in cerebral palsy families; will likely reduce inappropriate litigation of staff and hospitals; and, provides the strong potential for therapeutic interventions in some cases. The group has been nominated by members of the US National Institutes of Health (NIH) as one of the foremost teams involved internationally in cerebral palsy research, publishing “seminal” research in major international scientific journals. Currently led by Professor Jozef Gecz, the team has been awarded over \$8 million in competitive grants, and over its 25 year history has a strong record of successful students and ongoing community engagement.

An Enhanced Student Experience

An award for a professional staff member of professional team

Mr David Purdie

Manager, Student Services (RW), Student Operations, Division of Academic and Student Engagement

Mr David Purdie works tirelessly to provide an exceptional and sustained professional service for the students at Roseworthy Campus. His genuine, compassionate, empathetic, honest and professional approach has led to his ongoing success as a leader, mentor, and highly-respected College Head. Mr Purdie's duty of care to his students is of paramount importance, demonstrated by his availability to students with a wide variety of support needs, some of which include challenging mental health components. His duty and commitment, were acutely exhibited throughout the outstanding management he provided during the Pinery fires and, more recently, the COVID-19 pandemic. The enormity of the work Mr Purdie has undertaken during the pandemic to ensure that students remain supported, engaged and connected is incredible and is now an ongoing aspect of his role. Mr Purdie's passion and aptitude for improving student life, has shaped a campus culture of inclusivity, wellbeing, comradery, equity and academic success.

Stephen Cole the Elder Awards for Excellence – Vice-Chancellor and President's Award for Excellence

Associate Professor Lyndsey Collins-Praino

Associate Professor Lyndsey Collins-Praino has been awarded the *Vice-Chancellor and President's Award for Excellence* for outstanding and sustained demonstration of innovation in the teaching of neuroscience.

Associate Professor Collins-Praino finds innovative ways to enhance engagement and improve student outcomes in neuroscience. These techniques include custom-designed elearning resources, targeted at making the 3D nature of the brain come alive, as well as the novel incorporation of gamification. Students have responded extremely positively, as evidenced by her consistently excellent eSELT feedback and her multiple prestigious teaching awards. She is internationally recognised for these efforts, presenting her scholarly work at workshops and conferences worldwide.

A Culture of Impact and Excellence (accordion)

An award for an academic or professional staff member for exceptional leadership

Professor Rachel Gibson

Director, Allied Health, School of Allied Health Science and Practice, Faculty of Health & Medical Sciences

Professor Rachel Gibson's exemplary and inspiring leadership has fostered a cohesive, mutually supportive, and outcome-focused team culture that has driven the School's significant achievements. In less than 2 years, she has led the Allied Health initiative from a theoretical concept to a concrete reality, with the School now set to welcome students to three brand new programs in 2021. To this end, her ability to engage with industry has been critical, and she has built strong and constructive relationships with a variety of clinical placement providers. Professor Gibson is a strong and resourceful leader, role model and mentor with a genuine interest in the health, wellbeing and career progression of her team. She ensures team members feel valued, and fosters a collaborative, supportive and respectful culture. Professor Gibson is an authentic champion of University Values and she expects no less from all of her staff. The significant achievements of the School are testament to her dogged determination, resilience, decisiveness, unshakeable optimism, and ability to inspire the very best in her team.

An award for a professional staff member or professional team for service innovation and quality

Year 11 Results Alternative Entry Pathway Team

Marketing and Recruitment, Division of University Operations

Team representative: Mrs Kahlia Green

Mrs Peta Cleary

Mrs Michelle Coe

Miss Candice Davis

Mrs Maria Escobar

Mr Joel Driver

Mr Tony Duggan

Mr Timothy Harvey

Mr Adam Humphrey

Miss Laura Logan

Miss Tia Milohis

Mr Ben Osborne

Ms Nici Perriam

Miss Jess Perry

Ms Angelika Portolesi

Mrs Young-ae Taylor

Student Operations, Division of University Operations

Ms Naomi Sturgoen Mesa

Wirltu Yarlū Aboriginal Education, Division of Academic and Student Engagement

Mrs Louise Mitchel

External Relations Portfolio, Vice-Chancellor and President

Ms Elisa Black

In a challenging 2020 COVID-19 climate, the Year 11 Alternative Entry Pathway group demonstrated incredible foresight and commitment to the school leaver community through the detection, successful design and implementation of an entry pathway that sought to reassure and support year 12 students, parents and the impacted community. Moreover, the pathway significantly contributed to the overall success of the domestic student recruitment pipeline for 2021 entry, increasing market share and preference demand. The initiative, and its execution by the project team, has strongly reflected University Values, with two divisions and five teams coming together to collectively challenge the status quo and expertly deliver a responsive and progressive approach to university entry. As the first such initiative in the South Australian market, it will undoubtedly evolve and continue to have a measurable, positive impact on the University's financial and reputational position in coming years.

An award for an academic or professional staff member or team for excellence in safety innovation

Technical Services & Infrastructure Team

EC&MS Faculty Services, Faculty of Engineering, Computer and Mathematical Sciences

Team representative: Mr Ben Green

Mr Andrew Heathershaw

Mr Mark Innes

Mr Greg Linder

Mr Philip Schmidt

In response to an incident highlighting gaps in the safety management system in Innovation Studios, the Technical Services and Infrastructure team designed and built an economical solution for the locking of machinery, which prevents students from using equipment prior to assessment of their competency. As part of the project, and through the significant expertise brought by each member of the group, the Technical Services and Infrastructure team designed and executed new safety procedures and protocols, redeveloped physical infrastructure, redesigned training courses and resources to focus on continuous education and high student engagement, and consistently reinforced the importance of safe operations to staff and students. There continues to be an enthusiastic student uptake of Innovation Studios, and the implementation of the new measures has significantly reduced risks to safety by creating a more comfortable and safe environment for undergraduate students.

A Connected and Enriched Community (accordion)

An award for an academic or professional staff member or team for building a sense of community

Ms Jill Bauer

Scholarly Teaching Fellow, School of Agriculture Food and Wine, Faculty of Sciences

The experience and commitment Ms Jill Bauer brings to her role as a Scholarly Teaching Fellow, results in a relevant, motivating and cutting-edge teaching experience for her students. Due to Jill's strong links and industry involvement, she identified a clear gap between the University's teaching programs and the necessity to produce job-ready graduates. The result was an inspired initiative, 'Vintage Conversations', which reconnects wine industry alumni with the University, and facilitates networking opportunities for current students. This initiative has led discussions around career pathways and pitfalls, gender equity and developing the basic skills to grow a career, and has attracted sponsorship from an industry peak professional body, The Australian Society for Viticulture and Oenology. Ms Bauer's drive and passion to support education and the wider community was undoubtedly demonstrated by her selfless and dedicated response to the devastating Adelaide Hills bushfires in 2019, when she facilitated the coordination of volunteers, and herself worked as a volunteer, to assist fire-affected grape-growers and winemakers in need of immediate assistance.

An award for an academic or professional staff member or team for promoting a diverse and inclusive culture

Embedding Indigenous Knowledges Team

Adelaide Law School, Faculty of the Professions

Team representative: Associate Professor Laura Grenfell

Associate Professor Peter Burdon

Mrs Margaret Castles

Associate Professor Anne Hewitt

Dr Cornelia Kocj

Dr Anna Olijnyk
Dr David Plater
Professor Alexander Reilly
Associate Professor Matthew Stubbs
Mrs Kellie Toole
Mr Francesco de Zwart

The Adelaide Law School is very proud of its sustained engagement with the embedding of indigenous knowledges in the law curriculum. The project team crosses a broad range of courses, activities and year levels and builds on several years of fundamental projects to establish a meaningful and genuine understanding of how to map indigenous knowledges across the curriculum. At each step, Adelaide Law School staff have been aware of cultural and pedagogical issues that must be addressed with sensitivity and understanding. The success of this work is especially enhanced by the guidance and leadership provided by Wirltu Yarlu, and the connections and involvement of Aboriginal elders and others in the Aboriginal community as co-teachers and lecturers. This mode of teaching extends students outside of their comfort zone, challenges their preconceptions, creates instances of profound personal growth, and has caused students to consider new career paths and opportunities for greater engagement with indigenous communities.

An award for a titleholder for making an exceptional contribution

Dr Venkatesan Thiruvankatarajan

Clinical Senior Lecturer, Adelaide Medical School, Faculty of Health and Medical Sciences

As a Clinical Senior Lecturer and Consultant Anaesthetist, Dr Venkatesan Thiruvankatarajan provides an exceptional contribution to the University and broader community. He has published 29 journal articles, one book chapter, delivered two lectures at international conferences and presented four peer-reviewed conference papers, while maintaining his role as a full-time clinician. Inspired by the global medical research community and recognising that intubation and extubation are high aerosol-generating procedures, Dr Thiruvankatarajan saw an opportunity to directly improve the safety of anaesthetists on the front-lines of COVID-19, which has provided novel additions to the field and also resulted in three publications. He is a natural leader who takes a holistic approach to those he supervises, and his passion for teaching and learning is demonstrated through the high quality mentorship he has provided to countless junior medical staff and students. Dr Thiruvankatarajan has formed strategic relationships with universities and teaching hospitals nationally and internationally, as well as external medical technology companies.