



2022 Adelaide Summer Research Scholarships.

The following Researchers are interested in supervising students for Summer Research Scholarships in the [Faculty of Sciences, Engineering and Technology](#).

Eligible students are encouraged to contact Researchers to discuss their research, research projects and potential supervision for a Summer Research Scholarship.

Australian School of Petroleum and Energy Resources:

Researcher:	Discipline/Research Area:	Available Projects:
Alireza Salmachi	Hydrogen in geological formations, Wellbore decommissioning and integrity, and CO2 storage in depleted coal seam gas reservoirs	Contact researcher
Carl Spandler	Critical minerals	Contact researcher

School of Agriculture, Food & Wine:

Researcher:	Discipline/Research Area:	Available Projects:
Rachel Burton	Plant science and molecular biology	Contact researcher
Kerry Wilkinson	Edible insects	Contact researcher
Shervin Kabiri	Soils & PFAS remediation	Contact researcher
Olena Kravchuk	Biometry and Statistical Modelling	Contact researcher
Tatiana Soares da Costa	Herbicides, Antimicrobials	Contact researcher
Katja Hogendoorn	Native bees	Contact researcher
Jenny Mortimer	Plant science	Australian duckweeds: the world's smallest flowering plants and a future astronaut food
Ismail Ismail	Fungicide resistance	Contact researcher
Matt Knowling	Decision Agriculture and Modelling	Contact researcher
Amanda Able	Plant physiology, plant pathology or science education	Contact researcher



Helen Morris	Food waste	Contact researcher
Mahima Krishnan	Weed science	Contact researcher
Cathryn Todd	South Australian Research and Development Institute (SARDI) - <i>external</i>	Disease diagnostics in horticulture Botrytis on grapes

School of Animal and Veterinary Sciences:

Researcher:	Discipline/Research Area:	Available Projects:
Gustavo Ferlini Agne	Equine internal medicine	Contact researcher
Alexandra Whittaker	Animal welfare & law	Contact researcher
Bridgette Shackelford	Parasitology	Contact researcher
Ryan O'Handley	Parasitology	Contact researcher
Marina Salles Munerato	Anaesthesia	Contact researcher
Caitlin Evans	Ram thermoregulation and fertility	Contact researcher
William van Wettere	Ram thermoregulation and fertility	Contact researcher
Samantha Franklin	Equine health & performance	Contact researcher
Rachel Norris	Veterinary and comparative anatomy	Contact researcher

School of Architecture and Built Environment:

Researcher:	Discipline/Research Area:	Available Projects:
Ehsan Sharifi	Urban development	Cooling capacity of urban greenery
Larissa Arakawa Martins	Urban design	Developing resilient housing for low socio-economic older people".

School of Biological Sciences:

Researcher:	Discipline/Research Area:	Available Projects:
Michelle Guzik	Evolutionary Biology	Contact researcher
Bob Hill	Ecology & Evolutionary Biology	Contact researcher
David C. Paton	Ecology & Evolutionary Biology	Contact researcher
Ivan Nagelkerken	Ecology, Marine biology, Climate change, Animal behaviour, Fish biology	Contact researcher
Erinn Fagan-Jeffries	Taxonomy/Entomology	Contact researcher
Emma Sherratt	Evolutionary Morphology,	Contact researcher



Patrick O'Connor	Ecosystem Services Economics	Contact researcher
Danny Wilson	Molecular and Biomedical Sciences	Contact researcher

School of Chemical Engineering & Advanced Materials:

Researcher:	Discipline/Research Area:	Available Projects:
Philip Kwong	Sustainable energy and waste management	Contact researcher
Abel Santos	Materials science	Contact researcher
Diana Tran	Mineral materials	Contact researcher
Shaobin Wang	Nanomaterials	Nanomaterials for solar energy conversion and pollutant degradation.
Huayang Zhang	Chemical engineering	Contact researcher
Philip van Eyk	Brewery engineering	Contact researcher
Pei Lay Yap	Modification of 2D materials for environmental applications.	Contact researcher
Giuseppe Tettamanzi	Advanced materials	Effect of spin-orbit coupling on time-dependent phenomena in semiconductor quantum wells Electron dynamics in superconductor--graphene systems Phenomenological modelling of weakly coupled superconductors with effective field theories Optimisation of superconducting devices using computational techniques
Woei Saw	Thermal conversion technologies	Contact researcher
Yan Jiao	Molecular modelling to design energy materials	Contact researcher

School of Civil, Environmental and Mining Engineering:

Researcher:	Discipline/Research Area:	Available Projects:
Martin Lambert	Water engineering and hydraulics	Contact researcher
Holger Maier	Civil, environmental and mining Engineering	Contact researcher
Abdul Sheikh	Computational structural engineering and mechanics	Contact researcher



School of Computer Sciences:

Researcher:	Discipline/Research Area:	Available Projects:
Wei Zhang	Computer Sciences	Leveraging topical-aware knowledge graph for multi-document summarization
Yifan Liu	Computer Sciences	Edge wise distillation for semantic segmentation
Hung Nguyen	Defence, Cyber & Space	Active Directory Security - Models and Algorithms Scalable Metagraph Algorithms for Provable Network Security
Faheem Ullah	Engineering software technology	Big Data Analytics for Climate Change Analysis Machine Learning for Detecting Data Exfiltration Attacks
Feras Dayoub	Computer Sciences	Programming a Quadruped robotic dog to greet people

School of Electrical & Electronic Engineering:

Researcher:	Discipline/Research Area:	Available Projects:
Withawat Withayachumnankul	Terahertz technology	Contact researcher
Hong Gunn Chew	Electrical & electronic engineering	Contact researcher
Ali Pourmousavi Kani	Power system, Smart grid and Electricity market	Contact researcher
Nghia Nguyen-Trong	Electromagnetics	Contact researcher
Andy Boes	Electrical & electronic engineering	Contact researcher
Said Al-Sarawi	Biomedical engineering and Electrical and electronic engineering	Contact researcher

School of Mathematical Sciences:

Researcher:	Discipline/Research Area:	Available Projects:
John Maclean	Data science	Contact researcher
Lewis Mitchell	Data science	Contact researcher
Finnur Larusson	Pure mathematics	Contact researcher



School of Mechanical Engineering:

Researcher:	Discipline/Research Area:	Available Projects:
Richard Kelso	Aerospace engineering, wind engineering and sports aerodynamics	Contact researcher
Siu Wai Ho	Teletraffic Research Centre	Contact researcher
Rini Akmeliawati	Robotics, Automation, Control and mechatronics systems	Contact researcher
Maziar Arjomandi	Mechanical engineering	Contact researcher
Benjamin Cazzolato	Acoustics or wave energy	Contact researcher
Rey Chin	Mechanical engineering	Contact researcher
Zhao Feng Tian	Solar energy	Contact researcher
Mergen Ghayesh	Mechanical Engineering, Civil Engineering, Biomedical Engineering, Medicine, Applied Mathematics	Prediction of heart attack via dynamics Nanotechnology for earthquake control Renewable energy for internet of things Stent design for heart attack prevention MEMS and NEMS design for targeted drug delivery MEMS and NEMS design for COVID detection
Eric Hu	Mechanical engineering	Measuring the coupled capillary and evaporative effect of resurfaced nylon polymer sheets
Ling Yin	Mechanical engineering	Additive Manufacturing in Dentistry. Advanced Manufacturing of Cutting-Edge Dental Materials.
John Codrington	Mechanical engineering	Contact researcher
Paul Medwell	Hydrogen, combustion, gas turbines, lasers	Contact researcher
Claire Jones	Biomechanics, Medical technology, Orthopaedics, Medical imaging	Spinal trauma biomechanics; traumatic brain injury mechanics; design of medical devices for research; spinal cord injury models



School of Physical Sciences:

Researcher:	Discipline/Research Area:	Available Projects:
Chris Perrella	Photonics and advanced sensing	Contact researcher
Bruce Dawson	High-energy astrophysics	Contact researcher
Peter Veitch	Gravitational waves, Optics & Photonics	Contact researcher
Rohan Glover	Atom Trap Trace Analysis (ATTA)	Contact researcher
Sarah Scholten	Photonics and advanced sensing	Contact researcher
Anthony Thomas	Subatomic physics & econophysics	Contact researcher
Anthony Williams	Theoretical particle and nuclear physics, and computational physics	Contact researcher
Thomas Chambers	Physical sciences	Contact researcher
Juraj Farkas	Biogeochemistry & non-traditional isotopes	Contact researcher
Gary Hill	Astroparticle physic	Contact researcher
Wenle Weng	Photonics	Contact researcher
Alan Collins	Tectonic Geology	Contact researcher
Cameron Shearer	Chemistry for Environmental Remediation	Contact researcher
Greg Metha	Chemistry	Contact researcher
David Ottaway	Photonics and Advanced Sensing	Contact researcher
Heike Ebendorff-Heidepriem	Photonics and Advanced Sensing	Contact researcher
Lucy McGee	Volcanology, Igneous petrology and Planetary geoscience	Contact researcher
David Huang	Theoretical and computational chemistry	Contact researcher
Jake Forster	Medical Physics	Contact researcher
Martin Hand	Geology, Geochemistry and Geophysics	Contact researcher
Ros King	Structural geology, Tectonics and Petroleum geomechanics	Contact researcher
Lee Arnold	Geochronology	Contact researcher
Stijn Glorie	Thermochronology	Contact researcher
Derrick Hasterok	Geochemistry and Data analytics	Contact researcher



Graham Heinson	Hydrocarbon and geothermal energy development	Contact researcher
Carl Spandler	Geochemistry	Contact researcher
Stephen Bell	Physical sciences	Contact researcher
Jonathon George	Chemistry	Contact researcher
Tak Kee	Physical sciences	Contact researcher