

AIML Newsletter — Summer 2025

# Australian Institute for Machine Learning



[Blog](#)

[Newsroom](#)

[Research](#)

## Community welcome

Greetings everyone and welcome to the Summer 2025 issue of the AIML newsletter.

In my 9 months as Communications Manager, I've had the absolute pleasure of getting to know so many of AIML's brightest stars and sharing their fantastic stories with our partners, stakeholders, and friends near and far. We know that some of the most brilliant minds out there call AIML home, and it's my privilege to help share their hard work and innovative excellence with the world.



Moving forward, I am excited to continue working with our members to bring their incredible efforts to the local, national, and international stages. We hope that you enjoy this and every issue of the AIML newsletter.

**Dana Rawls**

Communications Manager

## Launching the Responsible AI Research Centre

[Read more](#)



On December 9 2024 we announced the launch of the Responsible AI Research (RAIR) Centre, a \$20 million collaboration between AIML, CSIRO's Data61, and the Government of South Australia. Among its goals, RAIR will focus on advancing safe AI systems that can seamlessly interact with the physical world and combating misinformation by ensuring AI-generated content is traceable to trusted sources.



## Professor Javen (Qinfeng) Shi appointed RAIR Interim Director

AIML is pleased to announce the appointment of Professor Javen (Qinfeng) Shi as Interim Director of the RAIR Centre. Professor Shi also leads the Causal AI Group at AIML, with research interests in causation, AI, and metaphysics.

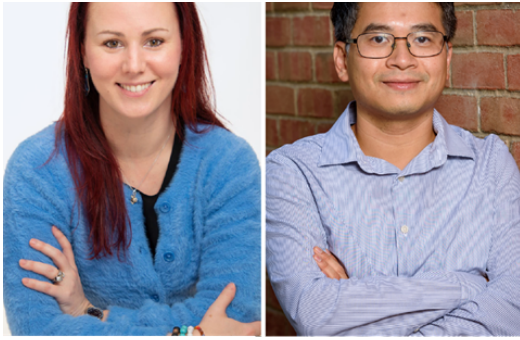
## Kate Klimeš joins AIML as RAIR Program Manager

[Read more](#)



AIML extends its warmest welcome to Kate Klimeš, our new Program Manager for the RAIR Centre. Previously at La Trobe University in Melbourne, Kate was Program Manager with the Innovation & Entrepreneurship team there and ran several accelerator programs for founders, startups, and established companies both within and outside of Australia.





## AIML academics appointed Deputy Directors

[Read more](#)

AIML is proud to announce the appointment of two of its esteemed academics, Dr Melissa McCradden and Professor Minh Hoai Nguyen, as Deputy Directors of the Institute.

## Funding awarded to establish responsible AI symposium

[Read more](#)



Dr Melissa McCradden, Associate Professor Qi Wu, Professor Dino Sejdinovic and Manager for Projects and Strategic Partnerships Jessica Cortazzo, along with CSIRO's Data61 colleagues Petra Kuhnert, Sarah Hartman, Emma Schleiger, Qinghua Lu, Rifat Ara Shams, Muneera Bano, Sarah Vivienne Bentley and Professor Aaron Quigley, have been awarded \$48,500 AUD to establish a symposium that fosters cross-disciplinary collaborations and advances the development of responsible AI. This initiative aligns with the recent launch of the RAIR Centre, also in partnership with CSIRO.



## Project CANAIRI takes flight

[Learn more](#)

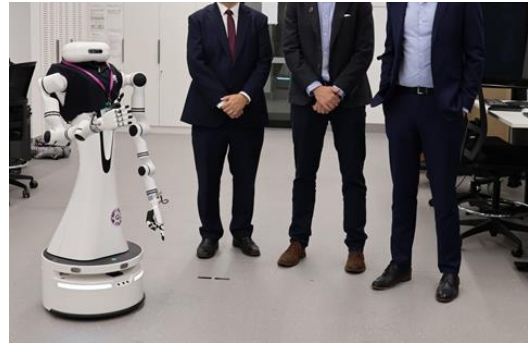
Project CANAIRI (Collaboration for trANslational AI tRIals) tests that artificial intelligence (AI) tools function effectively and ethically in real-world healthcare settings while meeting the needs of those who use them. The CANAIRI team brings together expertise in data science, bioethics, clinical research, and health economics, along with valuable insights from youth, caregivers, and Aboriginal community representatives.

## Michael Brown MP



## appointed Assistant Minister for AI and Digital Economy

Tune in for more



Congratulations to Michael Brown MP, member for Florey and friend of AIML, on becoming South Australia's Assistant Minister to the Premier for Artificial Intelligence (AI) and the Digital Economy. We look forward to our continuing collaboration with Minister Brown. In a recent interview with ABC Radio Adelaide, AIML Director Professor Simon Lucey discussed the SA Government's continuing prominence and commitment to AI's role in the growth of our economy and society.

Our people

Opportunities

Past events

## Navigating the path to fair and responsible AI in healthcare

Hosted by Deputy Director Dr Melissa McCradden, AI on the Ground is our monthly interdisciplinary seminar series focusing on the real-world issues of implementing AI- and ML-based tools in medical settings.

For our second seminar, we virtually welcomed Ismail Akrouf from the Machine Learning Lead at the Hospital for Sick Children to share his insights on 'Building Responsible AI for Healthcare: Navigating Challenges and Ensuring Fairness'.



Watch the seminar

### Interested in this series?

[Follow us on LinkedIn](#) to be informed of our next AI on the Ground seminar to be held in-person at AIML and online via Zoom.

## Industrial AI Program Scholarships

Industrial AI Program Scholarships are still available for students undertaking their honours or higher degree by research (HDR) studies in AI and machine learning. Funded by the state government, these scholarships are available for honours, master's by research, and PhD students.



For more information, including eligibility and application details, please refer to:

[Industrial AI Scholarship \(Honours\)](#)

[Industrial AI Supplementary Scholarship \(MPhil\)](#)

[Industrial AI Scholarship \(PhD\)](#)

AIML congratulates our most recent scholarship recipients:



### **Oliver Lack**

Oliver's research will be examining anthropomorphism—the attribution of human qualities in objects—and how humans perceive consciousness when interacting with AI that possesses human-like features. His project is a joint collaboration between AIML and the University of Adelaide's School of Psychology, supervised by Professor Carolyn Semmler, Professor Anton van den Hengel, Dr Jon Opie, and Dr William Ngiam.



### **Sarah Dickinson**

Sarah's research interests are in space exploration, stemming from her honours research in ML using techniques that measure gravitational waves. At AIML, she will be supervised by Professor Tat-Jun Chin and the AI for Space Group to analyse lunar craters using satellite position tracking and computer vision technologies.



### **Ethan Elms**

Ethan's research focus is on monocular event-only Visual Odometry (VO)—a process that determines the position and orientation of an object, such as a camera or a robot—and Simultaneous Localisation and Mapping (SLAM), a computational method for developing digital maps, in order to create new applications for space operations. Ethan is also supervised by Professor Tat-Jun Chin.

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## AIML blog recap

### [Advancing AI literacy: empowering educators and students to shape the future](#)

Dr Jinan Zou shares his insights as a participant in last year's AI in Education Conference in Brisbane. He also discusses strategies for integrating AI into classrooms, and for preparing students with the problem-solving skills they'll need to thrive in an AI-driven world.



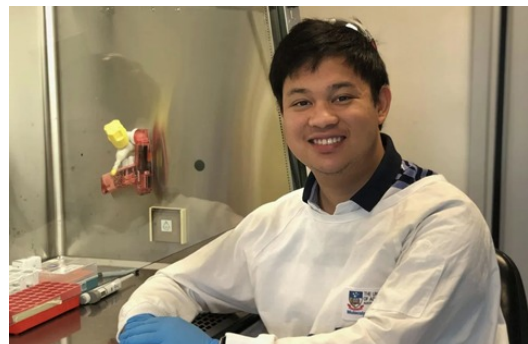
### [From intelligence to superintelligence: Navigating change and shaping the future with causal AI](#)

Professor Javen Qinfeng Shi discusses the importance of causal AI, an approach to artificial intelligence that focuses on understanding cause-and-effect relationships rather than relying solely on data correlations.



### [Pacing for progress: how to thrive in your HDR journey](#)

Dr Miguel Balbin, AIML's Digital Content Officer, shares practical advice from his PhD journey, comparing the HDR experience to running a marathon that demands ambition, pacing, endurance, and resilience.



## Follow us on Medium

Read more articles from AIML members by following the [AIML Medium page](#).



# AIML CHANNEL

## Our community's research in focus





## Analysing human behaviour

Professor Minh Hoai Nguyen develops machine learning algorithms to analyse human behaviour using images, videos, and wearable sensors. His research has broad applications in healthcare, surveillance, education, and entertainment by studying how humans interact with their environment.

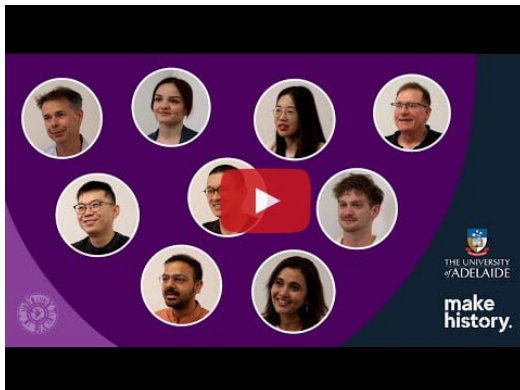
[Watch the interview](#)



## Matters of the heart

Dr Dhani Dharmaprani applies artificial intelligence, machine learning, and mathematical modelling to study complex and life-threatening heart conditions. By improving detection, diagnosis, and treatment methods, her work addresses one of the leading causes of death worldwide.

[Watch the interview](#)



[Watch the interviews](#)

## The Centre for Augmented Reasoning: a journey from research to impact

The Centre for Augmented Reasoning (CAR) at AIML is a four-year, \$20 million investment by the Australian Government's Department of Education in people and research, aimed at developing high-calibre machine learning expertise in Australia. In this compilation of short interviews, CAR's members share their insights, experiences, and visions for the future of augmented reasoning.

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