

2024

information  
resilience  
PhD school

ORGANISED BY ARC TRAINING CENTRE  
FOR INFORMATION RESILIENCE (CIRES)



29-31 October 2024

The University of Queensland

## DAY 1 – TUESDAY 29 OCTOBER

| TIME    | ACTIVITY   |
|---------|--|
| 8:00am  | Tea, coffee, registration and poster set up  |
| 8:50am  | <i>Introduction to CIRES and the Information Resilience PhD School</i> (Presenter: Prof Shazia Sadiq, Director, ARC ITTC for Information Resilience, CIRES, The University of Queensland)<br><br><i>The evolving landscape and importance of PhD training in Australia across all research domains</i> (Presenter: Prof Virginia Slaughter, Dean, Graduate School, The University of Queensland) |
| 9:10am  | <b>Keynote:</b> <i>Data Quality Practices in the Age of AI</i><br>(Presenter: Prof Felix Naumann, Hasso Plattner Institute, HPI, Germany)  |
| 10:10am | Morning tea and poster browsing  |
| 10:30am | 3 Minute Thesis Session A  |
| 12:00pm | Lunch and poster browsing  |
| 1:00pm  | <b>Technical Tutorial:</b> <i>LLMs for Science, Education &amp; Interactive Apps</i><br>(Presenter: Dr Aneesha Bakharia, The University of Queensland)   |
| 1:45pm  | <b>Technical Tutorial:</b> <i>Automating Graph Machine Learning Workflows - A Data-Centric Perspective</i> (Presenter: Dr Xin Zheng, Griffith University)  |
| 2:30pm  | Afternoon Tea and poster browsing  |
| 3:00pm  | <b>Workshop:</b> <i>Reviewing and Responding to Reviewers' Comments</i><br>(Presenter: Prof Andrew Burton-Jones, The University of Queensland)   |
| 4:30pm  | <i>Seeking Project Data: Impact of PhD Placements on Research Careers in Industry</i><br>(Presenter: Tianwa Chen, Senior Research Assistant, CIRES)<br><br>Closing remarks & information about Wednesday program (Presenter: Prof Shazia Sadiq, Director, ARC ITTC for Information Resilience, CIRES, The University of Queensland)  |
| 4:45pm  | Group photo  |
| 5:00pm  | Close  |

## DAY 2 – WEDNESDAY 30 OCTOBER

| TIME    | ACTIVITY  |
|---------|---|
| 8:00am  | Tea & Coffee on arrival   |
| 8:45am  | Overview of Day 2 (Presenter: Dr Rocky Chen, PhD School Chair, The University of Queensland)  |
| 9:00am  | <b>Keynote:</b> <i>Towards Agentic Recommender Systems in the Era of LLMs</i><br>(Presenter: Prof Lina Yao, CSIRO Data61 & University of New South Wales)   |
| 10:00am | Morning Tea and Poster Browsing   |
| 10:30am | 3 Minute Thesis Session B   |
| 12:00pm | Lunch and Poster Browsing   |
| 1:00pm  | <b>Workshop:</b> <i>Industry engagement and entrepreneurship development</i><br>(Presenter: Prof Tim Kestelle, Andrew N. Liveris Academy for Innovation & Leadership, The University of Queensland) |
| 2:00pm  | Short Break   |
| 2:15pm  | <b>Interactive Session:</b> <i>Information Resilience Escape Room</i> (Presenter: A/Prof Hassan Khosravi, Institute for Teaching & Learning Innovation, The University of Queensland)               |
| 3:30pm  | Afternoon Tea and Poster Browsing   |
| 4:00pm  | <b>Panel:</b> <i>Choose Your Own Adventure – Research Careers in Industry</i><br>Presenters: Rakalene Condon [TechnologyOne], Lawrence Kusz [Chatstat], Dr Julien Monteil [Amazon]                  |
| 5:00pm  | Closing remarks & information about Thursday program<br>(Presenter: Dr Rocky Chen, PhD School Chair, The University of Queensland)  |
| 5:15pm  | Travel to Banquet venue via Citycat Ferry   |
| 6:30pm  | Banquet: Ciao Papi, Howard Smith Wharves  |

## DAY 3 – THURSDAY 31 OCTOBER

| TIME    | ACTIVITY   |
|---------|--|
| 8:00am  | Tea & Coffee on arrival  |
| 8:45am  | Overview of Half Day 3 (Presenter: Dr Rocky Chen, PhD School Chair, The University of Queensland)  |
| 9:00am  | <b>Interactive Session:</b> <i>Copyright and Gen AI</i><br>(Presenter: Dr James Lewandowski-Cox, Office of the University Librarian, The University of Queensland)   |
| 10:00am | Morning tea and take down posters  |
| 10:30am | <b>Panel:</b> <i>Career Development - Advice from Experienced Young Researchers.</i><br>Presenters: Dr Solmaz Abdi [Australian Energy Market Operator (AEMO)], Dr Lei Han [Queensland Police Service], Dr Ruihong Qiu [The University of Queensland], Kim Bente [The University of Sydney] |
| 11:30pm | Closing remarks, information sharing, and awards (Professor Shazia Sadiq, Centre Director, ARC ITTC for Information Resilience, CIRES, The University of Queensland)   |
| 12:00pm | Farewell Lunch   |
| 1:00pm  | Close  |

## KEYNOTES



### **Professor Felix Naumann**

*Data Quality Practices in the Age of AI*

**Felix Naumann** completed his PhD thesis in the area of data quality at Humboldt University of Berlin in 2000, followed by a PostDoc position at the IBM Almaden Research Center working on data integration topics. Since 2006 he holds the chair for Information Systems at the Hasso Plattner Institute (HPI) at the University of Potsdam in Germany. He has been visiting researcher at QCRI, AT&T Research, IBM Research, SAP, and now UQ. His research interests include data profiling, data quality and cleansing, and data integration, recorded in over 250 scientific publications.



### **Professor Lina Yao**

*Towards Agentic Recommender Systems in the Era of LLMs*

**Lina Yao** is a Senior Principal Research Scientist and Science Lead at CSIRO's Data61, alongside her academic role as a Conjoint Professor at the University of New South Wales. Her research endeavours are deeply rooted in the development of generalizable, transparent, and data-efficient methodologies within the domains of data mining and deep learning. One of her specialized focuses is recommender systems, where she strives to address challenges of data scarcity, interoperability, and complexity of human behaviours.

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## WORKSHOPS



### **Professor Andrew Burton-Jones**

*Reviewing and Responding to Reviewers' Comments*

**Andrew Burton-Jones** is a CIRES Chief Investigator, Future of Health Research Hub Lead & Professor, UQ Business School, The University of Queensland. He has extensive experience teaching IT governance and control, systems analysis and design, and digital health, undertaking research in three main areas: how effectively organisations use IT; improving methods to analyse and design IT systems; and improving theories and methods used by researchers in the Information Systems discipline.



### **Professor Tim Kastelle**

*Industry engagement and entrepreneurship development*

**Tim Kastelle** is Professor and Director of the Andrew N. Liveris Academy for Innovation and Leadership. Tim's research, teaching and engagement work are all based on his study of innovation management and has published widely in the leading innovation journals. Tim is deeply committed to translating research into practice to help people and organisations create value from ideas. To this end, he writes a well-regarded innovation blog for managers and he has worked to develop innovation and leadership programs in collaboration with a wide range of organisations.

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## TUTORIALS



### **Dr Aneesha Bakharia**

*LLMs for Science, Education & Interactive Apps*

**Aneesha Bakharia** began her journey as an electronics engineer before pivoting to a career in educational software development. Her diverse experience spans across the higher education and vocational education sectors, where she has excelled in various technical, innovation project management and learning analytics roles. As an early experimenter with generative AI, Aneesha pioneered the creation of a graphic novel using AI and explored the world of chatbot prompt engineering, demonstrating her commitment to pushing the boundaries of technology.



### **Dr Xin Zheng**

*Automating Graph Machine Learning Workflows: A Data-Centric Perspective*

**Xin Zheng** is currently a Lecturer in the School of Information and Communication Technology at Griffith University. Xin's research focuses on Data-centric Machine Learning and Automated Graph MLOps, with a particular emphasis on Graph Neural Networks. Her work has been featured in prestigious journals and conferences, such as IJCV, PR, NeurIPS, ICLR, ICDM, and WWW. She was also a recipient of the 2024 Postgraduate Publications Award from Monash University.

## **INTERACTIVE SESSIONS**



### **Associate Professor Hassan Khosravi**

*Information Resilience Escape Room*

**Hassan Khosravi** is a CIRES Chief Investigator and Associate Professor in Data Science and Learning Analytics at The University of Queensland. He is passionate about the role of artificial intelligence in the future of education, and draws on theoretical insights from learning science and exemplary techniques from the fields of human-computer interaction, learning analytics and explainable AI to design, implement, validate and deliver technological solutions that contribute to the delivery of learner-centred, data-driven learning at scale.



### **Dr James Lewandowski-Cox**

*Copyright and Gen AI*

**James Lewandowski-Cox** is a researcher in global Hip Hop studies, with a particular focus on Hip Hop in Australia and New Zealand. James completed his PhD in 2017 and currently works at The University of Queensland as the University's Copyright Officer.

## **PANEL**

### **Choose Your Own Adventure – Research Careers in Industry**

#### **Rakalene Condon**

*Group General Manager, Strategy & Governance, TechnologyOne*

#### **Lawrence Kusz**

*Founder and Managing Director, Chatstat*

#### **Dr Julien Monteil**

*Manager, Applied Science, Amazon*

## **PANEL**

### **Career Development – Advice from Experienced Young Researchers**

#### **Dr Solmaz Abdi**

*Senior Data Scientist, Australian Energy Market Operator (AEMO)*

#### **Kim Bente**

*The University of Sydney*

#### **Dr Lei Han**

*Queensland Police Service*

#### **Dr Ruihong Qiu**

*The University of Queensland*