



arc training
centre for
**information
resilience**

2022

**information
resilience
PhD school**

ORGANISED BY ARC TRAINING CENTRE
FOR INFORMATION RESILIENCE (CIRES)



**12TH - 14TH SEPTEMBER 2022
THE UNIVERSITY OF QUEENSLAND
ST LUCIA CAMPUS**

ABOUT CIRES

Headquartered at The University of Queensland (UQ) in Brisbane, the ARC Centre for Information Resilience (CIRES) is built on strong foundations of responsible data science research, in collaboration with Swinburne University of Technology, and industry partners Aginic, Astral, Allianz, Health & Wellbeing Queensland, Max Kelsen, Department of Education, Queensland Health, Queensland

Police Service. The centre brings together end-users, technology providers, and cutting-edge research, to reduce the socio-technical barriers to data driven transformation and develop resilient data pipelines capable of delivering game-changing productivity gains that position Australian organisations at the forefront of technology leadership and value creation from data assets.

WHO SHOULD ATTEND?

Are you an Australian-based PhD candidate, or planning to commence a PhD in Australia? Is your research data oriented? Are you aiming to address any of the following challenges?

- » **Low data quality**, i.e., how to handle issues like missing entries, false information, lack of samples, class imbalance?
- » **Limited insights obtained from data**, i.e., how can we maximize the value of “big data” with advanced techniques?
- » **Unknown reliability and trustworthiness of data analysis tools**, i.e., is the automated decision process transparent and interpretable?
- » **Anything that hinders resilient application of your research**, e.g., ethics, privacy, cyber security, generalisability, efficiency, adoption etc.

If yes, then the Information Resilience PhD School is the right place for you! The Information Resilience PhD School offers a 3-day program from 12 September to 14 September at the St Lucia Campus of The University of Queensland for current or prospective PhD students interested in exploring and understanding cutting-edge data science practices, pathways towards academic or industry careers, and prospects of next-generation research in the field. The Information Resilience PhD School brings research students from Australian universities together with leading national and international researchers to enhance and invigorate research education, offering an opportunity to share and discuss research with both peers and mentors.



WHAT DOES INFORMATION RESILIENCE PHD SCHOOL DELIVER?

KNOWLEDGE SHARING AND ACQUISITION IN DATA-DRIVEN RESEARCH

A series of interactive activities including a keynote, tutorial, open discussion, and poster session will be hosted. Internationally renowned scholars will present techniques that enable, advance, and shape many research areas and applications today. These activities will cover the following topics (selectively listed):

- » Data management and engineering
- » Data Profiling
- » Information retrieval and predictive analytics
- » Data privacy and security

SPECIAL GUEST INTERNATIONAL SPEAKERS & TOPICS

Exploring and Analyzing Change

The Janus Project - Dr Divesh Srivastava, AT&T Labs-Research, USA

Data Profiling

Extracting Metadata from Tables - Prof Felix Naumann, Hasso-Plattner-Institut, Germany

MENTORSHIP FROM BOTH ACADEMIA AND INDUSTRY

Information Resilience PhD School will feature industry leaders and world-class researchers sharing their experience in digital transformation, stories of data-driven R&D practices, and visions on next-generation information technologies. The dedicated activities include:

- » Guest talks
- » Roundtable sessions hosted by industry leaders and academics
- » Mentoring and advising on research and professional development
- » Experience sharing by recently graduated PhDs

SOCIAL NETWORKING

The Information Resilience PhD School offers opportunities to engage with guest speakers, build connections with peers with common research interests and establish interdisciplinary collaborations with experts across domains. Our social networking events include:

- » Interactive poster and presentation sessions with awards
- » Guided tour
- » Banquet

HOW TO APPLY

To be considered for a place at the 2022 Information Resilience PhD School, please submit the online application by 7 AUGUST. The Information Resilience PhD School is an **in-person event and open only to Australian based students**. Capacity is limited to 50 attendees only. Attendees will be selected based on the relevance of their research backgrounds and interests to School topics.

You will receive notification after 15 AUGUST. If accepted, you will also receive additional information about attending the PhD School.

There is NO registration charge to attend the Information Resilience PhD School.

ONLINE APPLICATION

<https://cires.org.au/cires-phd-school-2022>

DEADLINE: 7 AUGUST 2022

CIRES TRAVEL GRANTS

Up to 25 CIRES Travel Grants are available for Australian based students who live outside Brisbane, to subsidise travel and accommodation costs to attend the PhD School. The grants are worth up to

a maximum of \$1,000 and would be reimbursed based on receipts. You may indicate your interest to be considered for a CIRES Travel Grant via the online application form.

APPLY NOW

<https://cires.org.au/cires-phd-school-2022>

IMPORTANT DATES

7 August 2022

Applications Due

15 August 2022

Successful Applicants Notified

12-14 September 2022

Information Resilience PhD School 2022

CONTACT INFORMATION

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