arc training centre for **information resilience**

2023

information resilience PhD school

ORGANISED BY ARC TRAINING CENTRE
FOR INFORMATION RESILIENCE (CIRES)

30–31 OCTOBER 2023
MELBOURNE CONNECT
CARLTON, VICTORIA

CO-LOCATED WITH 2023 AUSTRALASIAN
DATABASE CONFERENCE

WHAT IS 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, IP Australia, Department of Education, Queensland Health, Queensland Police Service. The centre brings together end-users, technology providers, and cutting-edge research, to lift 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 data-driven analysis a major part of your research? In CIRES, we are pursuing the following goals concerning how data is acquired, managed, and utilised:

» **Data quality assurance**, which plays a central role in ensuring accurate, reliable, and consistent data, forming the foundation for informed decision-making and successful business operations and scientific discovery.

» **Responsible data modelling**, which involves conscientious and ethical practices, emphasizing transparency, privacy protection, and the ethical use of data to derive meaningful insights with societal considerations.

» **Creativity in value maximisation from data-driven research**, which lies in the ability to think outside the box and leverage innovative approaches to unlock hidden opportunities from the vast potential of data.

If any of our goals rings a bell, then the Information Resilience PhD School is the right place for you! The Information Resilience PhD School offers a 2-day program from 30 to 31 October 2023 at The University of Melbourne 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
» Misinformation detection and control
» Data and AI literacy
» The role of Generative AI, e.g., ChatGPT in today's data-drive research

SPECIAL GUEST SPEAKERS

Professor Gao Cong, Nanyang Technical University, Singapore
Professor Cong's research has made significant impact in the areas of geospatial and textual data management, point of interest recommendation and user preference modelling, and mining social networks. His research has opened a new sub-area of spatial databases and informational retrieval, and the technique has been used as a benchmark for subsequent work on spatial-keyword query processing.

Professor Jenny Zhang, RMIT University, Australia
Professor Zhang is a world leader in text mining, machine learning and social media data analytics. Her research has brought advances in mining social media against misinformation, including fake news mitigation for information recommendation and understanding user perception of information credibility.

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 and technical tutorials
» Panel sessions hosted by industry leaders and academics
» Mentoring and advising on research and professional development
» Experience sharing by early-career researchers

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
» Welcome Reception
» Banquet

HOW TO APPLY

To be considered for a place at the 2023 Information Resilience PhD School, please submit the online application **by 7th September**. 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 12th SEPTEMBER**. 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-2023
DEADLINE: 7th September 2023

CIRES TRAVEL GRANTS

Option 1: PhD School Only Travel Grants
Up to 20 x PhD School Only Travel Grants are available for Australian based students, who live outside Melbourne. The grants are worth up to a maximum of $1,000 and would be reimbursed based on receipts.

Option 2: ADC + PhD School Travel Grants
Up to 5 x ADC-PhD School Travel Grants are available for Australian based students who live outside Melbourne, to attend both the PhD School and the Australasian Database Conference. The grants are worth up to a maximum of $1,500 and would be reimbursed based on receipts. To be eligible, you must be a student author presenting at ADC.

IMPORTANT DATES

APPLY NOW

https://cires.org.au/cires-phd-school-2023

7 September 2023	**Applications Due**
12 September 2023	**Successful Applicants Notified**
30–31 October 2023	**Information Resilience PhD School 2023**

CONTACT INFORMATION

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THE UNIVERSITY OF QUEENSLAND
AUSTRALIA

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