****

Call for Papers

CXAI 2023 - the ICDM 2023 Workshop on Causal and Explainable Artificial Intelligence
In conjunction with IEEE ICDM 2023, Shanghai, China, 4 Dec 2023
Key dates: abstract registration by 27 Aug and paper submission by 3 Sept
https://cxai2023.pyai.au

****

AIM & SCOPE

Over the last decade, machine learning (ML) and Artificial Intelligence (AI) have been increasingly adopted in various domains, such as healthcare, finance, and transportation. However, the lack of transparency and interpretability in AI/ML models has resulted in a growing demand to make them more understandable to humans. This is crucial for ensuring effective collaboration between humans and AI systems, and for ensuring regulatory compliance. Therefore, the upcoming CXAI workshop aims to address these challenges by providing a platform for AI/ML researchers and practitioners from various countries to share their recent research outcomes and experiences in causal inference/discovery and interpretable/explainable AI. The workshop will take place on 4 Dec 2023 and will focus on improving transparency and interpretability in AI/ML models for real-world applications.

TOPICS OF INTEREST

Topics of interest include, but are not limited to:

- Structure learning and causal discovery
- Causal inference and Bayesian networks
- Counterfactual reasoning
- Interpretable machine learning
- Explainable methods
- Model interpretability
- Feature importance
- Prediction interpretation and justification
- Responsible and trustable AI
- Ethical AI
- Causal models and other methods for ML model interpretation and justification
- Model visualisation and conveying decisions to end users
- Applications of causal and explainable AI in the environment, agriculture, energy, engineering, education, finance, marketing, medicine, health and other domains.

SUBMISSION GUIDELINES

Authors are invited to submit original papers with a limit of 8 pages maximum plus a possible 2 extra pages for references and appendices, in the IEEE 2-column format. All submissions will be triple-blind reviewed. More detailed information can be found in the IEEE ICDM 2023 Submission Guidelines. Accepted workshop papers will be published in the dedicated ICDMW proceedings published by the IEEE Computer Society Press.
Manuscripts must be submitted electronically on the online submission system (https://wi-lab.com/cyberchair/2023/icdm23/scripts/submit.php?subarea=S10).

SPECIAL ISSUE

Authors of accepted papers will be invited to submit extended versions for possible inclusion in a Special Issue on Causal and Explainable Artificial Intelligence in the Applied Sciences journal (https://www.mdpi.com/journal/applsci/special_issues/TCEA528X18).

ATTENDANCE

At least one author of each accepted paper must complete the ICDM 2023 conference registration and present the paper at the conference, in order for the paper to be included in the proceedings and conference program. The exact format of the conference (in-person, online, or hybrid) will be decided later and be announced on the ICDM 2023 website.

IMPORTANT DATES

27 Aug 2023: Abstract registration
3 Sept 2023: Paper submission deadline
24 Sept 2023: Notification of acceptance
1 Oct 2023: Camera-ready deadline
4 Dec 2023: Workshop date
All dates are listed in Beijing Time.

WORKSHOP CHAIRS

Yanchang Zhao	CSIRO, Australia
Ainura Tursunalieva	CSIRO, Australia
Yun Sing Koh	The University of Auckland, New Zealand
Yan Liu	University of Southern California, USA
Gilad Francis	University of Technology Sydney, Australia

CONTACTS

Yanchang Zhao <yanchang.zhao (at) csiro.au>
Ainura Tursunalieva <ainura.tursunalieva (at) csiro.au>