

MICCAI 2023 Workshop Event

Clinically-oriented and Responsible AI for Medical Data Analysis (Care-AI)

October 8-12, 2023 | Vancouver, Canada

About

In this MICCAI 2023 workshop event, we will examine the technical and research progress towards accountable and responsible AI in medical image analysis, computer-aided diagnosis, and computer assisted intervention systems. The workshop will bring researchers and scientists from diverse communities, such as computer science, machine learning, medicine, social science, and security & privacy community, into one place to overcome the challenges of developing responsible AI-based clinical decisions, and discuss possible extensions of current notations and methods of explainability, robustness, privacy, and fairness toward clinically-oriented and responsible AI in healthcare.

Topics of interest include, but are not limited to:

- Theoretical and technical approaches for explainability/interpretability, fairness, privacy, robustness toward clinically-oriented and responsible AI
- Developing trustworthy AI-based approaches for medical image analysis, clinical decision and computer assisted intervention
- Integrating insights from clinical domain expertise into the design, deployment, and maintenance of ML-based clinical decision-making systems
- Medical machine learning under robustness constraints such as adversarial attacks, distribution shift, environment changes, etc.

Submission Instructions

Both short and full-length papers covering the topics of interest are welcomed.

Extended Abstracts

We encourage short paper (2-4 pages) submission describing new, previously, or concurrently published

research or work-in-progress. Accepted papers will be highlighted in the workshop webpage and presented as posters.

Full Length Papers

We encourage full length paper (max. 8 pages + 2 pages of references) submission describing new work that has not been previously published, accepted for publication, or submitted for review at another venue during our review period. Accepted papers will be presented as orals and published with MICCAI 2023 Satellite Joint Event Proceedings in the Springer LNCS Series.

Please carefully read the [Submission Guidelines](#) when preparing your manuscript.

Submission Website

<https://cmt3.research.microsoft.com/CAREAI2023/>

Important Dates

- Paper submissions due: **June 25, 2023**
- Notification of paper decisions: **July 16, 2023**
- Camera ready papers due: **July 30, 2023**

Organizers

Md Sirajus Salekin, Amazon
Ghada Zamzmi, National Institutes of Health
Joshua Levy, Amazon
Huzefa Rangwala, Amazon
Annika Reinke, German Cancer Research Center
Diya Wynn, Amazon
Bennett Landman, Vanderbilt University

Workshop Website

<https://mlcse.github.io/careai2023/>