

Call For Papers

Special Session: Machine Learning in Healthcare

Conference: The 2022 International Conference on Cyber-physical Social Intelligence (ICCSI)

Date: October 21-24, 2022

Meeting mode: Hybrid

Location: Nanjing, China

Web site: <https://iccsi2022.agist.org>

Machine learning (ML) has found increasingly wide applications in healthcare and is helping patients and clinicians by overcoming industry challenges. In radiology, for example, ML algorithms can help identify complex patterns automatically, and allow radiologists make intelligent decisions reviewing images such as conventional radiographs, CT, MRI, PET images and radiology reports based on the insights that are generated. The performance of ML-based automatic detection and diagnosis systems has shown to be equivalent to that of an experienced radiologist. It is also reported that Google's ML applications in healthcare that are trained to detect breast cancer have achieved 89% of accuracy. There are many other areas that ML plays a great role. This special session aims to report recent advances, challenges, and trends of ML in healthcare.

The topics of the session include but are not limited to:

- ML in diagnosis and disease identification
- Medical image processing
- Healthcare data analytics
- Patient care personalization
- Drug discovery
- ML challenges in healthcare data

Important Dates:

- May 15, 2022, Full paper submission
- July 1, 2022, Acceptance/Rejection notification
- August 31, 2022, Final camera-ready papers due

Special Session Co-chairs:

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Submission Guidelines:

- All the instructions for paper submission are included in the conference website:
<https://iccsi2022.agist.org/>
- Please specify the special session when you submit your paper.