

Call For Papers

Special Session: Trusted Machine Learning and Applications

Conference: The 2023 International Conference on Cyber-physical Social Intelligence (ICCSI)

Date: October 20-23, 2023

Meeting mode: In-person

Location: Xi'an, China

Web site: <https://agist.org/iccsi2023>

One of the most fascinating areas of computing nowadays is machine learning (ML). In recent decades, ML has successfully been applied to address real-world issues and has established itself as a part of daily life. Machine learning has a wide range of applications in a variety of fields, including engineering, business, industry, finance, and medical. The term "machine learning" (ML) refers to a wide range of learning algorithms, from more established ones like support vector machines and neural networks to more recently developed ones like deep learning and boosted tree models. Classical learning algorithms include linear regression, k-nearest neighbours, and decision trees.

The development of cybersecurity systems to defend cyberphysical infrastructure from hostile actors is heavily reliant on artificial intelligence and machine learning. It is crucial to secure machine learning and artificial intelligence from new cyber dangers because we rely so heavily on these technologies in our daily lives. A substantial amount of application-specific, high-quality data was used to construct machine learning models.

This Special Issue focuses on the use of ML models across numerous domains and issues. Application papers should include conceptualization of a problem, data representation, feature engineering, ML models, critical comparisons with existing techniques, and result interpretation. They should also report substantial outcomes on a variety of learning methods. Recent ML innovations like deep learning and boosted tree models will receive particular focus. The research community will gain from this special topic by identifying problems and sharing the most recent approaches and solutions for reliable intelligent systems.

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Important Dates:

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| March 31, 2023, | Letter of intent for paper contribution |
| May 15, 2023, | Full paper submission |
| July 1, 2023, | Acceptance/Rejection notification |
| August 31, 2023, | Final camera-ready papers due |

Special Session Co-chairs:

Assoc. Prof Dr. Gururaj H L (Manipal Institute of Technology, Bangalore),

gururaj.hl@manipal.edu

Prof. Francesco Flammini (Mälardalen University), francesco.flammini@ln.se

Soundarya B C (Alva's Institute of Engineering and Technology), soundarya@aiet.org.in

All inquiries about the session, including the letter of intent, should be sent to any of the co-chairs above