

# Call For Papers

**Special Session:** Fuzzy Modeling in Cyber-physical Systems

**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>

Fuzzy modeling is an important and timely designed methodology and algorithm in real-world systems. It aims to build a high level of abstraction of data originated by the physical environment. Cyber-physical systems are systems controlled by the integration of humans, computer algorithms and physical systems. Such the systems need frequently human-computer interactions, which are suitable to apply fuzzy modeling. Therefore, it is necessary to investigate the applications of fuzzy modeling in cyber-physical systems for improving the services of real-world systems. In this session, we would like to collect the recent studies of Fuzzy Modeling in Cyber-physical Systems. We also welcome high-quality studies in all theoretical and practical aspects of the fuzzy modeling.

***Interested topics include (but not limited to):***

- Fuzzy set modeling in cyber-physical systems
- Models for complex fuzzy scenarios
- Fuzzy modeling and controlling
- Fuzzy rule-based intelligent computing
- Granular fuzzy modeling
- Intelligent fuzzy decisions
- Fuzzy models for image processing
- Fuzzy rough sets in granular computing
- Fuzzy logic with computational modeling
- Fuzzy reasoning with data mining and intelligent control
- Fuzzy methods-based genetic algorithms
- Fuzzy applications in transfer learning
- Emerging fuzzy tools in quantum computing
- Human-centric computing in cyber-physical systems
- Granular data description of physical environment

**Important Dates:**

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:**

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