

# Call For Papers

**Special Session:** Intelligent control and estimation in engineering field

**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>

Big data mining, deep learning, and reinforcement learning can effectively handle the uncertainty issues with the model structures, parameters and inputs of control systems, caused by randomness, fuzziness, and chaos in engineering field. This special session focuses on data mining, deep learning, and other intelligent methods that target the theoretical and practical problems of uncertainty in the process of self-learning, self-reasoning, and self-decision. Also included in this special session are subjects of the estimation and control with incomplete measurement, image-based target autonomous detection, recognition and tracking, multi-agent collaborative control, process optimization, resource allocation of complex systems, identification and control of smart actuators, etc.

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

- Data mining algorithm
- Deep learning algorithm
- Reinforcement learning algorithm
- Autonomous control and estimation for unmanned System
- Target autonomous detection, recognition and tracking

## **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*