

2024 International Annual Conference on Complex Systems and Intelligent Science (CSIS-IAC)



September 20~22, 2024, Guangzhou, China

E-mail: csisiac@gmail.com

Call for Papers

CSIS-IAC 2024 aims to showcase cutting-edge research outcomes, address emerging challenges, and foster discussions on trends within the realms of Complex Systems and Intelligent Science.

<http://www.csisiac.org>

<http://www.conference123.org/csisiac2024/>

1. Complex Systems and Complexity Science

Artificial systems
Autonomous systems
Bifurcation analysis
Bio-molecular and cellular systems
Chaos and fractals
Complex networks
Ecological systems
Economic systems
Energy, environment, and sustainability
Hybrid systems
Industrial systems
Intelligent transportation systems
Mathematical, physical and chemical systems
Neurodynamics and brain dynamics
Physiological and psychological systems
Social computing
Social systems
Switching systems

3. Intelligent Science and Technology

Adaptive dynamic programming and reinforcement learning
Affective computing
Artificial intelligence
Big data and analytics
Brain-inspired computing
Computational intelligence
Computational linguistics
Data mining
Data science
Deep learning
Embodied intelligence
Evolutionary computation
Fuzzy sets and fuzzy logic systems
Genetic algorithms
Human-in-the-loop learning
Hybrid intelligence
Incremental/Active learning
Intelligent optimization
Knowledge representation and reasoning
Machine learning
Metaheuristics
Natural language processing
Neural networks
Support vector machines
Swarm intelligence

2. System Analysis and Integration

Catastrophe theory
Chaos and synchronization
Cognitive modeling
Complexity in biology and health sciences
Computation and information processing in complex systems
Computational simulation and experiments
Cybernetics
Data-based methods
Dissipative structure theory
Dynamic programming
Emergence and complexity
Functional evolution and prediction
Game theory
Information theory
Self-organization
Structural modelling and dynamics of complex systems
Synergetics
System of systems

4. Intelligent Systems and Applications

Autonomous control
Autonomous driving
Brain-machine interface
Cognitive computing
Computer vision
Decision-making analysis and methods
Games
Image/Video processing
Intelligent control
Intelligent medicine
Internet of things
Learning control and optimization
Machine translation
Metaverse, meta learning and metacontrol
Multi-agent systems
Nature-inspired computing
Neuromorphic computing
Parallel control and parallel management
Pattern formation and pattern recognition
Robotics, navigation and control
Smart environmental protection
Smart grids
Smart sensors
Supervised, semi-supervised and unsupervised learning
Unmanned aerial vehicles



Important Dates

Deadline for paper submission:

July 15, 2024

Acceptance notification:

August 12, 2024

Deadline for final paper submission:

August 27, 2024

Deadline for author registration:

August 27, 2024

With the esteemed technical sponsorship of IEEE, we are committed to upholding elevated standards in technical excellence. CSIS-IAC 2024 conference proceedings are slated for submission to IEEE Xplore for inclusion and EI for indexing, ensuring the widespread dissemination of invaluable insights and research findings.

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Authors are invited to submit full-length papers (6 to 8 pages) by the submission deadline. Special session organizers are invited to enlist six or more papers with cohesive topics to form special sessions. When submitting papers, please follow the online paper submission guidelines posted at:

<http://www.conference123.org/csisiac2024/Submission.html>