

The 30th International Conference on Neural Information Processing (ICONIP 2023)

November 20 — 23, 2023, Changsha, China



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Welcome to ICONIP2023

The 30th International Conference on Neural Information Processing (ICONIP2023) will be held in Changsha, China, November 20-23, 2023. ICONIP is the annual flagship conference of Asia Pacific Neural Network Society (APNNS).

Changsha, the capital of Hunan province, which is the leading city of Changsha-Zhuzhou-Xiangtan city cluster and the second-largest city in central China. Changsha is new information-based economic center. Hunan is noted for its spicy food with copious use of chillies. There is plenty of tourist sites in Hunan, such as Wulingyuan Scenic Area (Zhangjiajie), Feng Huang City, Mount Heng, Shaoshan and so on. Among them, Zhangjiajie has a spectacular mountain view, with jagged sandstone pinnacles rising in the mist and green vegetation at the top, which was the inspiration for James Cameron's film Avatar.

Call for Papers

ICONIP 2023 aims to provide a high-level international forum for scientists, researchers, educators, industrial professionals, and students worldwide to present state of research results, address new challenges, and discuss trends in neural information processing and applications. ICONIP 2023 will invite world-renowned scholars in the areas of neural network theory and applications, computational neuroscience, machine learning and others. In addition to regular technical sessions with oral and poster presentations, the conference program will include special sessions and tutorials on topics of current interest.

ICONIP 2023 features plenary/keynote and panel discussion sessions by the world's leading researchers as well as awards to honour outstanding papers presented at this conference. Welcomes proposals for invited sessions reporting innovative research results on focused topics and tutorials and workshops on novel emerging research topics. Please submit invited sessions and tutorial/workshop proposals to the conference Secretariat at iconip2023@126.com by April 10, 2023. For more information about the conference, please refer to the conference website for details.

Prospective authors are invited to contribute high-quality papers to ICONIP2023. Topics of interest include but are not limited to:

A. Theory and Algorithms

Causality and explainable AI
Computational intelligence
Control and decision theory
Constraint & uncertainty theory
Machine learning
Neurodynamics
Neural network models
Optimization
Pattern recognition
Time series analysis

B. Cognitive Neurosciences

Affective and cognitive learning
Biometric systems/interfaces
Brain-machine interface
Computational psychiatry
Neuroeconomics
Neural data analysis
Reasoning and consciousness
Sensory perception
Social cognition

C. Human Centred Computing

Bioinformatics
Biomedical information
Healthcare
Human activity recognition
Human-centred design
Human-computer interaction
Neuromorphic hardware
Recommender systems
Social networks
Sports and rehabilitation

D. Applications

Big data analysis
Computational finance
Image processing & computer vision
Data mining
Information security
Information retrieval
Multimedia information processing
Natural language processing
Robotics and control
Web search and mining

Important Dates

- ◆ **Paper Submission Deadline:** Jun. 10, 2023
- ◆ **Notification of Acceptance:** Jul. 31, 2023
- ◆ **Camera ready & Registration:** Aug. 20, 2023
- ◆ **Conference Date:** Nov. 20–23, 2023

Contact Us

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Conference Website

<http://www.iconip2023.org>



Asia Pacific Neural Network Society