ICONIP 2022
November 22-26, 2022, New Delhi, India

CALL FOR PAPERS

The 29th International Conference on Neural Information Processing (ICONIP 2022)
New Delhi, India, November 22 - 26, 2022 http://iconip2022.apnns.org/

The International Conference on Neural Information Processing (ICONIP) is an annual conference that brings together esearchers from different countries in the fields of pattern recognition, neuroscience, intelligent control, information security and brain-machine interface to exchange ideas and discuss possible collaborations. ICONIP is the annual flagship conference organized by the Asia Pacific Neural Network Society (APNNS). The 29th ICONIP 2022 is jointly organized by Indian Institute of Technology Indore, India and Indian Institute of Information Technology Allahabad, Prayagraj, India to provide a leading international forum for researchers, scientists, and industry professionals who are working in neuroscience, neural networks, deep learning, and related fields to share their new ideas, progresses and achievements.

ICONIP 2022 will be held in New Delhi, India during **November 22-26, 2022** (*in hybrid mode*).

Organizing Committee

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Topics of Interest

ICONIP 2022 will deliver keynote speeches, invited talks, full paper presentations, posters, tutorials, workshops, social events, etc. Topics include but are not limited to:

A. Theory and Algorithms
- Causality and explainable AI
- Computational intelligence
- Control and decision theory
- Constraint and uncertainty theory
- Machine learning
- Neurodynamics
- Neural network models
- Optimization
- Pattern recognition
- Time series analysis

B. Computational and Cognitive Neurosciences
- Affective and cognitive learning
- Biometric systems/interfaces
- Brain-machine interface
- Computational psychiatry
- Decision making and control
- 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 and computer vision
- Data mining
- Information security
- Information retrieval
- Multimedia information processing
- Natural language processing
- Robotics and control
- Web search and mining

Important Dates

Submission Deadline:	**11:59 PM (AoE), June 15, 2022**
Notification Date:	**11:59 PM (AoE), August 15, 2022**
Camera-Ready Deadline:	**11:59 PM (AoE), August 31, 2022**

Instructions for Authors

Papers should be written in English and follow the Springer LNCS format. The submission of a paper implies that the paper is original and has not been submitted under review or is not copyright-protected elsewhere and will be presented by an author if accepted. All submitted papers will be refereed by experts in the field based on the criteria of originality, significance, quality, and clarity. Like previous years, the Proceedings are proposed to be published in the Springer series of Lecture Notes in Computer Science (LNCS) and Communications in Computer and Information Science (CCIS). We are also negotiating with various journals to publish some selected papers in a special issue of an SCI indexed journal. Final papers after acceptance will normally be 10 pages with a maximum of 12 pages in length. The page count includes everything, including references and appendices. Please follow Springer's proceedings LaTeX templates provided in **Overleaf.** Online Submission through EasyChair

https://easychair.org/conferences/?conf=iconip2022
Contact us at **iconip.2022@gmail.com** for any query.

Asia Pacific Neural Network Society