



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 researchers 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**.

Organizing Committee

Honorary Chairs

- Jonathan H. Chan, KMUTT, Thailand
- P. N. Suganthan, NTU Singapore

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- M. Tanveer, IIT Indore, India
- Sonali Agarwal, IIIT Allahabad, India
- Seiichi Ozawa, Kobe University, Japan

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- Asif Ekbal, IIT Patna, India
- Adam Jatowt, University of Innsbruck, Austria

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- Pallavi Somvanshi JNU, New Delhi
- Yogendra Meena, University of Delhi, India
- M. Javed, IIIT Allahabad, India
- Vinay Kumar Gupta, IIT Indore, India
- Iqbal Hasan, NIC, MEITY, India

Special Sessions Chairs

- Kai Qin, Swinburne University of Technology, Australia
- Kaizhu Huang, Duke Kunshan University, China
- Amit K Singh, NIT Patna

Tutorial Chairs

- Swagatam Das, ISI Kolkata, India
- Partha Pratim Roy, IIT Roorkee, India
- Hussein Abbass University of New South Wales, Australia

Technical Chairs

- Shandar Ahmad, JNU, New Delhi, India
- Derong Liu, University of Chicago, USA

Finance Chairs

- Shekhar Verma, IIIT Allahabad, India
- Hayaru Shouno, University of Electro-Communications, Japan
- R. B. Pachori, IIT Indore, India

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- Chandan Gautam, A*STAR, Singapore

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- Nia Kurnianingsih, Politeknik Negeri Semarang, Indonesia
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- Sanjay Kumar Sonbhadra, Shiksha 'O' Anusandhan, Bhubaneswar, India
- Mufti Mahmud, Nottingham Trent University, UK
- Francesco Piccialli, University of Naples Federico II, Italy

Sponsorship Chair

- Asoke K Talukder, NIT Surathkal, India
- Vrijendra Singh, IIIT Allahabad, India

Website Chairs

- M. Arshad, IIT Indore, India
- Navjot Singh, IIIT Allahabad, India

Plenary Speakers



Yongduan Song
Chongqing University
China



DeLiang Wang
Ohio State University
USA



Irwin King
The Chinese University of
Hong Kong, Hongkong

Invited Speakers



Jonathan H. Chan
King Mongkut's University
of Technology Thonburi,
Bangkok



Jayadeva
Indian Institute of
Technology Delhi, India



Yudong Zhang
University of Leicester,
UK

Call for Papers

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](#). We are also negotiating with various journals to publish some selected papers in a special issue of an SCI indexed journal. Online Submission through EasyChair <https://easychair.org/conferences/?conf=iconip2022>

Topics of Interest

A. Theory & 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 & Cognitive Neuroscience

- 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

- Paper Submission: July 28, 2022
- Paper Notification Date: Sept. 15, 2022
- Camera Ready Submission: Sept. 30, 2022

Contact

For any queries kindly reach general chairs or email at iconip2022@gmail.com