Call for Papers, Special Sessions & Workshops

ICANN23

32nd International Conference on Artificial Neural Networks

https://e-nns.org/icann2023

Dates: 26th to 29th of September 2023

The International Conference on Artificial Neural Networks (ICANN) is the annual flagship conference of the European Neural Network Society (ENNS). In 2023 the School of Engineering of Democritus University of Thrace, Greece, will organize ICANN 2023. This will be held at Astoria Capsis Hotel at **Heraklion city, Crete, Greece** from **26th to 29th of September 2023**.

The conference will be organized as a **HYBRID** event.

CONFERENCE TOPICS

ICANN 2023 is a conference featuring tracks in Brain Inspired Computing, Machine Learning, and Artificial Neural Networks, with strong cross-disciplinary interactions and applications. A non-exhaustive list of topics includes:

Machine Learning:

Deep Learning, Neural Network Theory, Neural Network Models, Graphical Models, Bayesian Networks, Kernel Methods, Generative Models, Information Theoretic Learning, Reinforcement Learning, Relational Learning, Dynamical Models, Recurrent Networks, Ethics of AI

Brain Inspired Computing:

Cognitive Models, Computational Neuroscience, Self-Organization, Neural Control and Planning, Hybrid Neural-Symbolic Architectures, Neural Dynamics, Cognitive Neuroscience, Brain Informatics, Perception and Action, Spiking Neural Networks

Neural Applications for:

Bioinformatics, Biomedicine, Intelligent Robotics, Neurorobotics, Language Processing, Speech Processing, Image Processing, Sensor Fusion, Pattern Recognition, Data Mining, Neural Agents, Brain-Computer Interaction, Neuromorphic Computing and Edge AI, Evolutionary Neural Networks

CALL FOR CONTRIBUTED SCIENTIFIC COMMUNICATIONS

All scientific communications presented at ICANN 2023 will be reviewed and scientifically evaluated by a panel of experts. The conference will feature two categories of communications:

* oral communications (15'+5')
* poster communications.

CALL FOR SPECIAL SESSIONS AND WORKSHOPS

ICANN 2023 organizers cordially invite internationally recognized experts to organize Special Sessions and Workshops within the general scope of the conference. Please submit your Workshop / Special Session proposal by the deadline (see SUBMISSION DEADLINES) to ICANN 2023 organizing board by email at liliadis AT civil.duth.gr (Prof. Lazaros Iliadis, ICANN 2023 General co-Chair)

CALL FOR PAPERS

Authors willing to present original contributions in either oral or poster category may submit:

* A full paper of maximum 12 pages (including references) to be published in Springer-Verlag Lecture Notes in Computer Science (LNCS) series with individual DOI.
* An extended abstract of maximum 4 pages to be published in Springer-Verlag Lecture Notes in Computer Science (LNCS) series, without indexing.

SUBMISSION DEADLINES

* Special session and workshop proposal submission: **Feb. 28, 2023**
* Full paper and extended abstract submission: **Apr. 9, 2023**

BEST PAPER AWARDS

ENNS will sponsor a maximum of four best paper awards. All awards will be presented during the final ceremony.

TRAVEL GRANTS

The European Neural Network Society sponsors a number of Student Travel Grants covering part of the costs for attending ICANN. Details will be provided on the conference website.

Find more details at:
https://e-nns.org/icann2023