Call for Papers

Special Session on

Recent Advances in Spiking Neural Networks

at the 32nd International Conference on Artificial Neural Networks ICANN 2023

The special session invites contributions on recent advances in spiking neural networks. Spiking neural networks have gained substantial attention recently as a candidate for low latency and low power AI substrate, with implementations being explored in neuromorphic hardware. This special session aims to bring together practitioners interested in efficient learning algorithms, data representations and applications.

SPECIAL SESSION TOPICS

Methodological as well as applied contributions are solicited, including topics like (non-exhaustive list):

- Spiking Neural Network Models
- Spike Response Models
- Temporal Codes
- Learning Algorithms for SNNs
- Neuromorphic Computing

SUBMISSION INSTRUCTIONS

Contributions (full papers or extended abstracts) have to be submitted through the regular ICANN submission system at

https://e-nns.org/icann2023/

Select track **ASNN 2023** (Recent Advances in Spiking Neural Networks Special Session). Accepted papers to the special session will appear in the proceedings of the ICANN 2023 conference.

IMPORTANT DATES

- Full paper and extended abstract submission: Apr. 9, 2023
- Notification of acceptance: 30th of June 2023
- Conference dates: 26 – 29 September 2023

PROGRAM COMMITTEE

Federico Corradi (TU Eindhoven, Netherlands), Gerrit Ecke (Mercedes-Benz, Germany), Aditya Gilra (CWI Amsterdam, Netherlands), Andre Grüning (UAS Stralsund, Germany), Pablo Lanillos (Radboud University, Netherlands), Robert Legenstein (TU Graz, Austria), Douglas McLelland (BrainChip, France), Dylan Muir (SynSense, Switzerland), Emre Neftci (FZ Jülich, Germany), Laurent Perrinet (Aix-Marseille University, France)

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