

Programm der Sitzung

28. Juni 2026 bis 2. Juli 2026



ICNCE 2026

Technical Session (Europa Hall)

Eurogress Aachen, Europa Hall

Mo., 29. Juni

13:30

Technical Session (Europa Hall): Technical Session

Sitzung | Ort: Eurogress Aachen, Europa Hall

13:30–14:10 Uhr

While artificial neural networks represent a highly successful mapping from neuroscience AI,

Sprecher

Sander Bohte

14:10–14:30 Uhr

A piecewise approximation theory for spiking neural networks

Sprecher

Dominik Dold

14:30–14:50 Uhr

Test-Time Adaptation of Spiking Neural Networks for Intracortical Neural Decoding using Membrane Potential Alignment

Sprecher

Guangzhi Tang

14:50–15:30 Uhr

Online learning in cross-cortical self-attention circuits

Sprecher

Walter Senn

15:30

Di., 30. Juni

10:50

Technical Session (Europa Hall)

Sitzung | Ort: Eurogress Aachen, Europa Hall

10:50–11:30 Uhr

Noisy Synapses, Reliable Learning: Turning Uncertainty into a Neuromorphic Resource

Sprecher

Damien Querlioz

11:30–11:50 Uhr

Noise-Based Learning of Nonlinear Heterogeneity in Physical Kolmogorov-Arnold Networks

Sprecher

Jack Gartside

11:50–12:10 Uhr

No free lunch in analog Ising solvers: memory non-idealities, trapping and mitigation

Sprecher

Mohammad Hizzani

12:10–12:30 Uhr

Variability-Aware In-Memory Computation in 1T1R RRAM Arrays

Sprecher

Ankit Bende

12:30

Mi., 1. Juli

13:40

Technical Session (Europa Hall)

Sitzung | **Ort:** Eurogress Aachen, Europa Hall | **Vorsitzender:** Elisabetta Chicca

13:40–14:20 Uhr

From Neural Encoding to Neuromorphic Applications

Sprecher

Elisa Donati

14:20–14:40 Uhr

Neuromorphic Tactile Sensory Systems for Prosthetics and Digital Biomarker

Sprecher

Libo Chen

14:40–15:00 Uhr

EventPoseFormer: Event-Based Real-time 3D Human Pose Estimation

Sprecher

Gaurvi Goyal

15:00–15:20 Uhr

Fully-analog low-power spike-based processing pipeline for IoT sensory nodes

Sprecher

Herr Niels Burgler

15:20