

## Programm der Sitzung

28. Juni 2026 bis 2. Juli 2026



**ICNCE 2026**

***Technical Session (Brussel Hall)***

Eurogress Aachen, Europa Hall

# Mo., 29. Juni

13:30

## Technical Session (Brussel Hall): Technical Session (Brussel Hall)

Sitzung | Ort: Eurogress Aachen, Brussel Hall | Vorsitzender: Melika Payvand

13:30–13:50 Uhr **NUMA balancing hampering performance of spiking network simulations**

**Sprecher**

Melissa Lober

13:50–14:10 Uhr **Artificial Neurogenesis for Adaptive Continual Learning**

**Sprecher**

Karthik Charan Raghunathan

14:10–14:50 Uhr **Learning algorithms for spiking and physical neural networks**

**Sprecher**

Friedmann Zenke

14:50–15:10 Uhr **Learning to Remember, Learn, and Forget in Attention-Based Models**

**Sprecher**

Djohan Bonnet

15:10–15:30 Uhr **When One Fault Breaks the SNN: the Critical Role of the Spike Routing NoC**

**Sprecher**

Davide Bertozzi

15:30

## Di., 30. Juni

10:50

### Technical Session (Brussel Hall)

**Sitzung** | **Ort:** Eurogress Aachen, Brussel Hall | **Vorsitzender:** Federico Corradi

10:50–11:30 Uhr

#### What we can learn from the hierarchical organization of brain networks for efficient AI

**Sprecher**

David Kappel

11:30–12:10 Uhr

#### Do Large-Scale Neuromorphic LLMs Make Sense?

**Sprecher**

Jason Eshraghian

12:10–12:30 Uhr

#### Fully asynchronous neural network for multi-core neuromorphic processor

**Sprecher**

Herr Laurent Chen, Guangzhi Tang

12:30

## Mi., 1. Juli

13:40

### Technical Session (Brussel Hall)

**Sitzung** | **Ort:** Eurogress Aachen, Brussel Hall | **Vorsitzender:** Stephan Menzel

13:40–14:00 Uhr

#### Revisiting mismatch in neuromorphic neurons through input dynamics

**Sprecher**

Herr Loris Mendolia

14:00–14:20 Uhr

#### CMOS-Integrated Nanoscale MoS<sub>2</sub> Memristors with Low-Voltage Operation

**Sprecher**

Jimin Lee

14:20–15:00 Uhr

#### Memory-Centric Devices and Architectures for Efficient Attention Computation and Continual Learning at the Edge

**Sprecher**

Tania Roy

15:00–15:20 Uhr

#### Uncertainty-aware forecasting model of HfO<sub>x</sub>-memristive devices using mixture density networks

**Sprecher**

Thiemo Benthien

15:20