

VISIONARY LECTURES

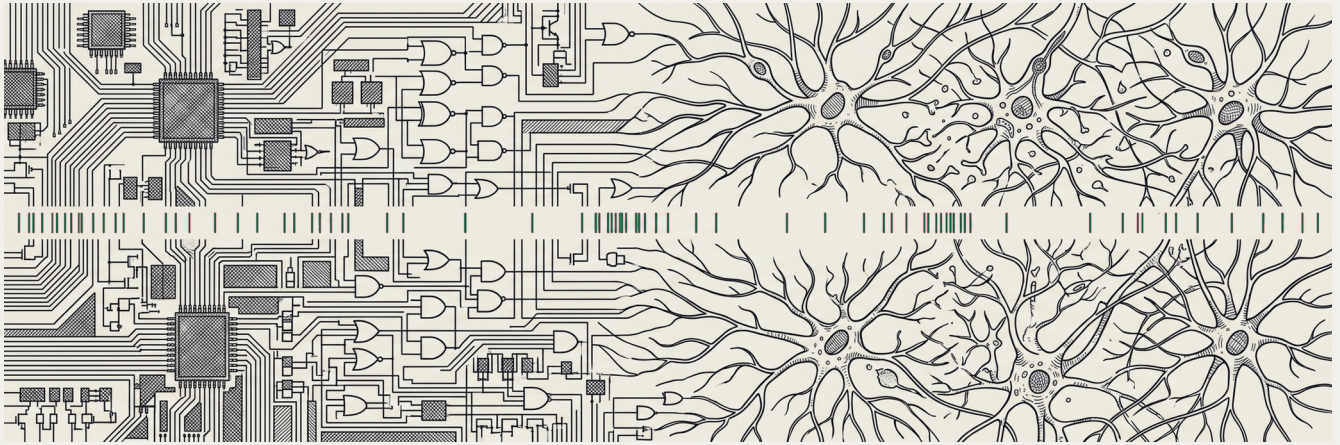
AS26

SDN.00003 · CURRENT TOPICS IN DIGITAL NEUROSCIENCE

UNIVERSITÉ DE FRIBOURG

NEUROMORPHIC / 08

SESSION 08 OF 13



ELISA
DONATI

Institute of Neuroinformatics · University
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From Neural Encoding to Neuromorphic Applications

Spiking networks and mixed-signal neuromorphic hardware for real-time, low-power processing of neural and biomedical signals. Spiking autoencoders that learn from streaming data with local rules instead of backpropagation, demonstrated on event-based audio, EMG for prosthetic control, and motor cortex recordings.

DATE

03.11.2026

TIME

10:15 – 12:00

VENUE

PER 21 · E140