



# Recent Trends in Coupled Network Systems 2026

## List of posters

Please join our poster session with snacks and drinks on Monday January 12, from 6:00 pm until 8 pm. It will take place in the rooms 405 and 406 at the 4th floor of the building.

**Blaskovic Filip, Zuse institute Berlin**

Random walk based snapshot clustering for detecting community dynamics in temporal networks

**Burylko Oleksandr, Humboldt-Universität zu Berlin & NAS of Ukraine**

**Hrabovets Anastasiia, Institute of Mathematics of NAS of Ukraine**

Multistability in gradient oscillator model for frustrated spin system

**Eser Muhittin Cenk, Freie Universität Berlin**

Dynamic link switching induces stable synchronized states in sparse networks

**Kastendiek Nina, Potsdam Institute for Climate Impact Research**

Phase and gain stability for adaptive dynamical networks

**Krijgsheld Henrieke, University of Groningen**

Binary and fuzzy logic with networks of excitable neurons

**Lohse Alexander, Universität Hamburg**

**von der Gracht Sören, Universität Paderborn**

Systematic construction of hierarchical connection structures in phase space

**Maekawa Lucas Hideo, Vrije Universiteit Amsterdam**

Tba

**Nagel Sören, Zuse Institute Berlin**

Learning collective variables for time-evolving networks

**Roque Dos Santos Edmilson, Max Planck for the Physics of Complex Systems**

Learning spatiotemporal patterns from mean-field data

**Schöhs Yannick, Technische Universität München**

Origin of frequency clusters in globally coupled Kuramoto oscillators with inertia

**Sclosa Davide, King's College London**

What is the right limit?

**Souza Diogo, State University of Ponta Grossa & Potsdam Institute for Climate Impact Research**

Early-Warning and control of burst synchronization via silence in coupled neural systems

**Thomé Nicolas, Technische Universität München**

Bimodal amplitude patterns in globally coupled heterogeneous oscillatory media

**Yan Jin, WIAS Berlin**

Stable time-rotated crystals in coupled dissipative systems

**Zhao Dan, Potsdam Institute for Climate Impact Research**

Synchronization transitions and spike dynamics in a higher-order Kuramoto model with Lévy noise