

International Workshop: “Dynamics in Coupled Network Systems”

November 20 - 22, 2023 Berlin

WIAS Berlin

Organizers

T. Pereira (São Carlos)

M. Wolfrum (Berlin)

S. Yanchuk (Potsdam/Cork)

Program

Lectures are scheduled from Monday morning until Wednesday evening. Apart from the invited talks, there will be a limited number of contributed talks and a poster session on Monday evening.

Deadline for submission of abstracts:

October 1st, 2023

Conference Fee

The conference fee are of €70 for early bird or €100 (payment after November 1st). Conference fee is waived for invited speakers and WIAS members.

Contact

dcns@wias-berlin.de

<https://www.wias-berlin.de/workshops/dcns23>

The dynamics of coupled oscillators plays an important role in a variety of systems in nature and technology. The workshop will bring together mathematicians and experts from various fields of applications (neuronal systems, power grids, chemical oscillations) to discuss recent developments and further perspectives from an interdisciplinary perspective. A specific focus will be on:

- adaptive networks
- structured networks: symmetries and beyond
- emergent collective dynamics
- heterogeneous networks and homogenization
- networks with multiple time scale dynamics

Support

DFG Deutsche Forschungsgemeinschaft



Invited Speakers

- Andreas Amann (Cork)
- Christian Bick (Amsterdam)
- Oleksandr Burylko (Kyiv)
- Áine Byrne (Dublin)
- Maximilian Engel (Berlin)
- Deniz Eroğlu (Istanbul)
- Bastien Fernandez (Paris)
- Georg Gottwald (Sydney)
- Thilo Gross (Oldenburg)
- Frank Hellmann (Potsdam)
- Hildeberto Jardón-Kojakhmetov (Groningen)
- Katharina Krischer (München)
- Leonhard Lücken (Oldenburg)
- Eddie Nijholt (London)
- Oleh Omel'chenko (Potsdam)
- Diego Pazó (Santander)
- Arkady Pikovsky (Potsdam)
- Bob Rink (Amsterdam)
- Michael Rosenblum (Potsdam)
- Isabelle Schneider (Berlin)
- Matteo Tanzi (London)
- Ralf Tönjes (Potsdam)
- Dmitry Turaev* (London)
- Marius Yamakou (Erlangen-Nürnberg)
- Anna Zakharova (Berlin)
- Michael Zaks (Berlin)

*to be confirmed



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www.wias-berlin.de