

International Workshop: "Collective dynamics in coupled oscillator systems"

November 24 - 26, 2014

Weierstrass Institute
for Applied Analysis and Stochastics
Mohrenstraße 39
10117 Berlin

organizers

M. Wolfrum (WIAS Berlin)
S. Yanchuk (Humboldt-Universität Berlin)

program

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

Deadline for submission of abstracts:
October 31, 2014.

conference fee

The conference fee of 75 € covers break refreshments, the conference dinner and a booklet of abstracts.

contact

don14@wias-berlin.de
www.wias-berlin.de/workshops/don14

Recent research showed that systems of coupled oscillators can exhibit a huge variety of collective behavior and complex dynamical regimes. The understanding of such phenomena, as e.g. the emergence of various types of coherence incoherence patterns, sometimes called "chimera states", implicates intriguing questions from various fields of mathematics. The workshop is intended to discuss approaches including dynamical systems theory, statistical physics, stochastic phenomena, applications, and experiments.

invited speakers

- D. Abrams (Northwestern)
- P. Ashwin (Exeter)
- F. Atay (Leipzig)
- Y. Duguet (Paris)
- K. Krischer (München)
- V. I. Nekorkin (Nizhny Novgorod)
- A. Pikovsky (Potsdam)
- O. Popovych (Jülich)
- K. Showalter (West Virginia)
- M. Timme (Göttingen)

support



Weierstrass Institute for
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SFB 910: Control of
self-organizing nonlinear
systems



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