

International Workshop: "Dynamics of Coupled Oscillator Systems"

November 19 – 21, 2018

Weierstrass Institute
for Applied Analysis and Stochastics
Mohrenstrasse 39
10117 Berlin

Organizers

M. Wolfrum (WIAS Berlin)
S. Yanchuk (TU Berlin)

Program

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

**Deadline for submission of abstracts:
October 15, 2018.**

Conference Fee

The conference fee of 80 € covers break refreshments, the conference dinner, and the booklet of abstracts.

Contact

dcos18@wias-berlin.de
www.wias-berlin.de/workshops/DCOS18

The dynamics of coupled oscillators plays an important role in a variety of systems in nature and technology. Their ability to display complex self-organized dynamical phenomena makes them an important tool to explain fundamental mechanism of emergent dynamics in coupled systems. Beyond the classical synchronization paradigm, the workshop will cover pattern formation, signal propagation, complex network structures, stochastic phenomena, and extensive chaos in oscillator systems. The workshop is intended to discuss recent theoretical approaches from dynamical systems theory, statistical physics, and stochastics, as well as applications in various fields of science.

Invited Speakers

- I. Belykh, Atlanta
- I. Franović, Belgrade
- V. Klinshov, Nizhny Novgorod
- K. Krischer, Munich
- S. Olmi, Sophia Antipolis
- O. Omel'chenko, Berlin
- D. Pazó, Santander
- T. Pereira, Sao Paulo
- A. Pikovsky, Potsdam *
- O. Popovych, Julich

* to be confirmed

Support



Weierstrass Institute for
Applied Analysis and
Stochastics



SFB 910: Control of
self-organizing nonlinear
systems



International Research
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