

International Workshop: "Coupled Networks, Patterns and Complexity"

November 19 - 21, 2012

Weierstrass Institute
for Applied Analysis and Stochastics
Mohrenstraße 39
10117 Berlin

organizers

B. Fiedler (Freie Universität Berlin)
J. Kurths (Humboldt-Universität zu Berlin, PIK)
E. Schöll (Technische Universität Berlin)
M. Wolfrum (WIAS Berlin)
S. Yanchuk (Humboldt-Universität zu 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.

conference fee

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

contact

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www.wias-berlin.de/workshops/cnpc12

Dynamical networks appear in various interacting systems including atoms, neurons, lasers, as well as living organisms. An important question is the emergence of nonlinear collective behavior, patterns, or chaos due to the interaction of the elements. The workshop is intended to address and combine interesting theoretical aspects from the above application areas with recent development in corresponding mathematical methods from nonlinear dynamics, such as bifurcation theory, formation and interaction of patterns, and delay systems.

invited speakers

- F. Atay (Leipzig)
- D. Barkley (Warwick)
- W. Kinzel (Würzburg)
- T. Kolokolnikov (Halifax)
- Yu. Maistrenko (Kiev)
- A. Pikovsky (Potsdam)
- A. Politi (Florence/Aberdeen)
- J. G. Restrepo (Colorado)
- M. Timme (Göttingen)

support



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nonlinear systems



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