

Minisymposia

(MS.01) The Kuramoto Model with Inertia in Complex Networks

Simona Olmi, Thomas K. DM. Peron, Peng Ji

MS.01.01 Synchronization of Pendula: from Huygens to Chimeras

Tomasz Kapitaniak

MS.01.02 Solitary states in oscillatory networks

Yuri Maistrenko

MS.01.03 Nonlinear transient waves in coupled phase oscillators with inertia

David Jörg

MS.01.04 Dynamics of fully coupled rotators with unimodal and bimodal frequency distribution

Simona Olmi, Alessandro Torcini, Adrian Navas, Stefano Boccaletti

MS.01.05 Finding the role of time delays

Wei Lin

MS.01.06 Nonequilibrium first-order phase transitions in the Kuramoto model in presence of inertia and noise

Shamik Gupta

MS.01.07 Impact of network topology on synchrony of oscillatory power grids

Martin Rodhen, Andreas Sorge, Dirk Witthaut, Marc Timme

MS.01.08 The 2nd order Kuramoto model in a future power grid

Sabine Auer, Jürgen Kurths

MS.01.09 Uncovering stability from sync basin in the Second-order Kuramoto model

Peng Ji, Wenlian Lu, Norbert Marwan, Jürgen Kurths

(MS.02) New trends in chimera states

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- MS.02.01 Tweezer control for chimeras in small networks
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- MS.02.02 Controlling chimera states through pinning
Mattia Frasca
- MS.02.03 Intermittent chaotic chimeras for coupled rotators
Alessandro Torcini, Simona Olmi
- MS.02.04 Alternating chimera states and other peculiar coherence-incoherence patterns in globally coupled oscillatory media
Katharina Krischer
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Anna Zakharova, Nadezhda Semenova, Vadim Anishchenko, Eckehard Schöll
- MS.02.06 Delayed-feedback chimera states: Forced multiclusters and stochastic resonance
Vladimir V. Semenov, Anna Zakharova, Yuri Maistrenko, Eckehard Schöll
- MS.02.07 Linked and knotted chimera filaments in oscillatory systems
Joern Davidsen
- MS.02.08 Twisted chimera states and multicore spiral chimera states on a two-dimensional torus
Edgar Knobloch
- MS.02.09 Self-propelled chimeras
Heinz Koeppl
- MS.02.10 SQUID chimeras: lions, goats and snakes
Johanne Hizanidis, Nikos Lazarides, Giorgos P. Tsironis

(MS.3) Structure and Dynamics of Future Energy Systems: Power Grids as Complex Dynamical Systems

Frank Hellmann, Martin Rohden, Benjamin Schäfer, Paul Schultz

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Antonio Scala
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Alexey Snezhko, James E. Martin

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Miguel Cornelles Soriano

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Anna Zakharova, Alexey Zaikin

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(MS.08) Consistency and chaos in complex photonic systems

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Joma Nakayama, Kazutaka Kanno, Atsushi Uchida

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Thomas Jüngling, Xavier Porte, Neus Oliver, Miguel C. Soriano, Ingo Fischer

MS.08.03 Global and cluster synchronization in multi-nodal semiconductor laser network

Apostolos Argyris

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(MS.9) Advanced time-series analysis: Novel tools for studying dynamical networks and complex systems

Cristina Masoller, Ulrich Parlitz

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Nicolás Rubido

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Jose Casadiego, Dimitra Maoutsa, Marc Timme

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Michael Dellnitz

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Andreas Denner, Oliver Junge, Clancy Rowley

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C. Hartmann, O. Kebiri, G.A. Pavliotis, W. Zhang

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MS.12.08 Instabilities in Non-hermitian Photonic Structures

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S. Mehdi Vaez Allaei

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Robert Whitney