

TOPICS AND FORMAT

- A.** Foundations and theoretical aspects of classical, quantum and relativistic statistical physics and thermodynamics.
- B.** Mathematical aspects and methods: formalism, rigorous results, exact solutions, connections with the methods of high energy physics, string theory, mathematical statistics and information theory.
- C.** Nonequilibrium systems: classical, quantum and relativistic transport theory, Boltzmann and Fokker-Planck kinetics, nonlinear kinetics, dynamical systems, relaxation phenomena, random systems, chemical reactions, pattern formation etc.
- D.** Applications to physical systems: quantum systems, soft condensed matter, plasmas, fluids, surfaces and interfaces, disordered and glassy systems etc.
- E.** Interdisciplinary applications of statistical physics: biophysics, econophysics, social systems, networks, traffic flow, algorithmic problems, complex systems, etc.
- F.** Numerical Physics: Numerical methods and computer simulations in statistical physics, condensed matter, complex systems etc.

The conference will be organized in symposia/sessions dealing with general aspects and applications of statistical physics.

The following thematic workshops on:

- Biophysics (F. Seno)
- Complex Networks (G. Caldarelli and A. Scala)
- Econophysics and Sociophysics (P. Argyrakis and S. Solomon)
- Mathematical Physics (P. Damianou and C. Sophocleous)
- Nanophysics (F. Kusmartsev)

will cluster talks dedicated to special topics and will be organized as parallel events.

Poster Sessions: The conference will include also some poster sessions covering all the topics of statistical physics.

The Annual Meeting of the EPS-SNP (European Physical Society - Statistical and Nonlinear Physics Division) will be held during the Conference.

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 Andrade Jr J.S. (Universidade Federal do Ceará, Brazil)
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 Fernandes R. (Instituto Superior Tecnico, Lisbon, Portugal)
 Ferrier M. (CNRS, University of Paris, France)
 Fagedby H. (Aarhus University, Denmark)
 Fiasconaro A. (Centro Univ. de la Defensa de Zaragoza, Spain)
 Fromhold M. (Nottingham University, UK)
 Gabrielli A. (Istituto dei Sistemi Complessi - CNR, Roma, Italy)
 Gammaitoni L. (NIPS Laboratory, Università di Perugia, Italy)
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 Gudowska-Nowak E. (Jagellonian University, Poland)
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