Spring College on the Physics of Complex Systems

Description:

ICTP and SISSA, in collaboration with the partner institutions of the International Master Course in Physics of Complex Systems (PCS), and with the financial support of Politecnico di Torino and Université Franco Italienne, are organizing the Spring College on the Physics of Complex Systems from 19 February to 15 March 2024.

19 February - 15 March 2024

Trieste, Italy

Deadline:
10 December 2023

MORE DETAILS:

Many complex systems in physics, biology, engineering and economics are characterised by a large number of interacting degrees of freedom, giving rise to a non-trivial collective behaviour. The theoretical and computational tools for a quantitative analysis of complex systems are often rooted in modern theoretical physics. The Spring College on the Physics of Complex Systems aims to expose students to a selection of topics at the forefront of research during an intensive, 4-week programme.

The Spring College is part of the PCS Master programme and it is open to qualified Master and PhD students, and to young researchers. Please read carefully the rules for participation on the website.

LECTURERS AND COURSES:

J. M. RODRIGUEZ PARRONDO
Universidad Complutense de Madrid, Spain
"Thermodynamics of information"

I. PEREZ CASTILLO
Universidad Autonoma Metropolitana, Mexico
"Statistical mechanics of random matrices"

A. RAPOŠ BOŽIČ
Jozef Stefan Institute, Slovenia
"The Physics of RNA"

R. RAMASWAMY
Indian Institute of Technology Delhi, India
"Collective Dynamics in Complex Systems"

DIRECTORS:

J. GRILLI, ICTP, Italy
M. MARSILI, ICTP, Italy
A. ROSA, SISSA, Italy

FURTHER INFORMATION:

E-mail: smr3921@ictp.it
Web: http://indico.ictp.it/event/10459/
Female scientists are encouraged to apply.

GRANTS:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries. There is no registration fee.