

Spring College on the Physics of Complex Systems



25 February - 22 March 2019
Trieste, Italy

Further information:
<http://indico.ictp.it/event/8644/>
smr3274@ictp.it

Many complex systems in physics, biology, engineering and economics are characterized by a large number of interacting degrees of freedom, giving rise to a non-trivial collective behavior.

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. It consists of 5 courses of 9 lectures each, followed by final written tests.

The Spring College is part of the Master programme in the Physics of Complex Systems, but it is open to a limited number of well-qualified students at the Master's and PhD levels.

Lecturers and Courses:

Deepak DHAR (IISER, Pune, India)
Self-Organized Criticality

Henri ORLAND (CEA, France)
Electrostatic Interactions in Soft and Biological Matter

Shahin ROUHANI (Sharif U., Tehran, Iran)
Statistical Mechanics of Two Dimensional Critical Curves

Mukund THATTAI (NCBS, Bangalore, India)
Randomness in biology

Bence TOTH (Capital Fund Management, Paris, France)
Elements of Quantitative Finance

Organizers:

A. Braunstein (Politecnico, Turin, Italy)
S. Franz (LPTMS, Orsay, France)
A. Gambassi (SISSA, Trieste, Italy)

Local Organizer:

M. Marsili (ICTP, Trieste, Italy)

How to apply:

Online application:
<http://indico.ictp.it/event/8644/>

Female scientists are encouraged to apply.

Please read carefully the rules for participation at:
<http://indico.ictp.it/event/8644/>

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.

Deadline:

1 November 2018



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The Abdus Salam
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