

Spring College on the Physics of Complex Systems



19 February - 16 March 2018
Trieste, Italy

Further information:
<http://indico.ictp.it/event/8299/>
smr3189@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 program. It consists of 5 courses of 9 lectures each, followed by final written tests.

The Spring College is part of the Master program 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. See <http://indico.ictp.it/event/8299/> for more details.

Courses and Lecturers:

- Antonio Celani (ICTP, Trieste, Italy)
Reinforcement Learning
- Maurizio Fagotti (ENS, Paris, France)
Nonequilibrium Behavior of Quantum Statistical Systems
- Chris Mathys (SISSA, Trieste, Italy)
Hierarchical Inference
- Angelo Rosa (SISSA) and Mario Nicodemi (U. of Naples, Italy)
Polymer Physics of Chromosome Folding
- Gregory Schehr (LPTMS, Orsay Cedex, France)
Statistics of Extremes in Correlated Systems

Organizers:

Andrea Gambassi (SISSA, Trieste, Italy)
Silvio Franz (LPTMS Orsay Cedex, France)
Alessandro Pelizzola (Politecnico di Torino, Italy)
Matteo Marsili (ICTP, Trieste, Italy)

How to apply:

Apply online at
<http://indico.ictp.it/event/8299/>

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.

Deadline:

30 November 2017



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The Abdus Salam
**International Centre
for Theoretical Physics**

www.ictp.it
Strada Costiera 11, 34151 Trieste, Italy

