

# Spring College on the Physics of Complex Systems



**22 February - 19 March 2021**  
**An ICTP Virtual Meeting**  
**Trieste, Italy**

Further information:  
<http://indico.ictp.it/event/9442/>  
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ICTP and SISSA, in collaboration with the partner institutions of the International Master Course in Physics of Complex Systems, organize the Spring College on the Physics of Complex Systems from 22 February to 19 March 2021.

## Description:

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.

The Spring College is part of the Master programme in the Physics of Complex Systems. The 2021 Spring College will be held online and it is open to qualified Master and PhD students.

## Directors:

A. BRAUNSTEIN, Politecnico di Torino, Italy  
A. ROSA, SISSA, Italy

## Local Organizer:

M. MARSILI, ICTP, Italy

## Lecturers and Courses:

D. BUETI, SISSA, Italy  
“The Neuroscience of Space, Time and Number”

M. DALMONTE and A. RODRIGUEZ GARCIA, ICTP, Italy  
“Data Mining the Many-body Problem”

M. MARSILI, ICTP, Italy  
“Introduction to Mathematical Economics”

E. ROLDAN, ICTP, Italy  
“Stochastic Thermodynamics”

G. SANGUINETTI, SISSA, Italy  
“Probabilistic Modeling and Bayesian Inference”

## How to apply:

Online application:  
<http://indico.ictp.it/event/9442/>

Female scientists are encouraged to apply.

## Grants:

There is no registration fee.

## Deadline:

**31 January 2021**



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