

School on Information, Noise, and Physics of Life



19 - 30 September 2022
Niš, Serbia

Further information:
<http://indico.ictp.it/event/9826/>
smr3736@ictp.it

Complex signals are ubiquitous in non-equilibrium physics, biophysical processes, and in the noise of measurement devices.

The school will provide advanced tools from information theory, statistical physics and machine learning to offer participants key knowledge on stochastic analysis and modelling.

Topics:

- Control theory
- Entropy foundations
- Mean field theory and inference methods
- Information theory
- Stochastic thermodynamics
- Biophysics

Directors:

E. ROLDAN (ICTP, Trieste, Italy)
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Volunteers:

Bogdan DJORDJEVIĆ (MISANU, Belgrade, Serbia)
Katarina DJORDJEVIĆ (PMF, University of Niš, Serbia)

Speakers:

Ada ALTIERI (Paris Diderot University, France) – online –
Andre C. BARATO (University of Houston, USA) – online –
John BECHHOEFER (Simon Fraser University, Canada)
Raphael CHETRITE (Universite Cote d'Azur, Nice, France)
Andjelka HEDRIH (Mathematical Institute of SASA, Belgrade, Serbia)
Jan KORBEL (Complexity Science Hub Vienna, Austria)
Jelena MANOJLOVIC (University of Niš, Serbia)
Juan MR PARRONDO (Universidad Complutense de Madrid, Spain)
Dimitri PETRITIS (Univeristy of Rennes, France) – online –
Edgar ROLDAN (ICTP Trieste, Italy)
Iva TOLIĆ (R. Boskovic Institute Zagreb, Croatia) –online colloquium–

How to apply:

Online application:
<http://indico.ictp.it/event/9826/>

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:

7 August 2022



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