



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



Hands-On Research in Complex Systems School

DESCRIPTION:

The School provides early stage researchers with interactive experiences of hands-on research involving table-top experiments with computer data acquisition and modeling. Participants will also take part in professional development of improved scientific communication in English.

MORE INFORMATION:

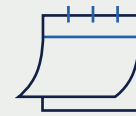
An intensive programme of laboratory experiments, computational modeling, and lectures gives participants immersive experiences with complex systems in the physical and life sciences. Additionally, participants will present their own research in talks and posters with extensive faculty feedback to enhance the presentation quality. The faculty are eminent scientists who have conducted frontier table-top research published in leading international scientific journals.

TOPICS:

- Biological Physics
- Optical Physics
- Modeling of Biological Systems
- Soft Matter Physics
- Turbulence/Flow Instabilities
- Machine Learning and Artificial Intelligence
- Numerical Modeling
- Maker Movement Techniques
- Image Analysis

SPEAKERS:

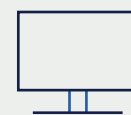
Fernan Federici, Pontifical Catholic University of Chile, Chile
Jenny Molloy, University of Cambridge, UK
Debjani Paul, Indian Institute of Technology Bombay, India
Bruce Rodenborn, Centre College, USA
Evelyn Sander, George Mason University, USA



3 - 14 August 2026



Trieste, Italy



**Deadline:
19 April 2026**

DIRECTORS:

Pietro Cicuta, University of Cambridge, UK
Maria Liz Crespo, ICTP, Italy
Eric Kostelich, Arizona State University, USA
Teuta Pilizota, University of Edinburgh, UK
Michael Francis Schatz, Georgia Institute of Technology, USA
Mark David Shattuck, The City College of New York, USA

LOCAL ORGANIZER:

Maria Liz Crespo, ICTP, Italy

FURTHER INFORMATION:

E-mail: smr4230@ictp.it

Web: <https://indico.ictp.it/event/11156/>

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.

