

# Non-Markovian Dynamics Far from Equilibrium



**4 - 6 May 2022**  
**An ICTP Hybrid Meeting**  
**Trieste, Italy**

Further information:  
<http://indico.ictp.it/event/9782/>  
[smr3697@ictp.it](mailto:smr3697@ictp.it)

Non-Markovian processes arise in many areas of statistical physics and often pose major theoretical challenges. Bringing together different communities, this conference fosters the exchange of recent advances in the description and understanding of non-Markovian dynamics.

## Description:

The focal point of this conference is the theoretical study of non-Markovian dynamics appearing in a broad range of physical problems across stochastic dynamics, active matter, and quantum systems. Through presentations, posters, scientific discussions, and informal interactions, the conference promotes dialogue among the communities to explore analogies between different physical theories from the perspective of non-Markovian dynamics, share physical insights, and methodological advances. A special focus are non-Markovian processes far from thermal equilibrium, which is a common frontier in various fields where additional challenges arise. The conference brings together international and interdisciplinary researchers to enhance cross-fertilization between the communities and lay the foundations for research collaborations. The conference further promotes the participation of students from developing countries.

## Topics:

- Non-Markovian dynamics in
- Stochastic processes
  - Soft condensed and active matter
  - Quantum systems

Participants are encouraged to submit research abstracts. A number of short oral presentation slots will be available for some of them upon selection, and a number of posters abstracts will be selected for poster session.

## How to apply:

Online application:  
<http://indico.ictp.it/event/9782/>

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.

## Directors:

S.A.M. LOOS, ICTP, Italy  
B. WALTER, SISSA, Italy  
A. GAMBASSI, SISSA, Italy

## Local Organiser:

E. ROLDAN, ICTP, Italy

## Speakers:

U. BASU, S.N. Bose National Centre for Basic Sciences, India  
G. BISKER, Tel Aviv University, Israel  
L. CUGLIANDOLO, Sorbonne University (LPTHE), France  
T. FRANOSCH, University of Innsbruck, Austria  
A. GODEC, Max Planck Institute for Biophysical Chemistry Göttingen, Germany  
R. HARRIS, Queen Mary University London, UK  
S. F. HUELGA, Ulm University, Germany  
S. MAJUMDAR, University Paris-Saclay (LPTMS), France  
N. MEGIER, International Centre for Theory of Quantum Technologies, Poland  
J. PIILO, University of Turku, Finland  
T. SANDEV, Macedonian Academy of Sciences and Arts, North Macedonia

## Deadline:

**1 April 2022**

To attend in person, and to contribute a poster/talk

**22 April 2022**

To attend only online, without a poster/talk



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**International Centre  
for Theoretical Physics**  
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Trieste, Italy

