



DISSIPATIVE QUANTUM CHAOS 2026

DATE
September 14
September 15

TIME
14:00 – 18:00
09:00 – 18:00

VENUE
**Spazio SOI, Clab S – via T. Gar
16/2, Trento**

Real quantum systems are never perfectly isolated: interactions with their environment profoundly reshape how chaos emerges, spreads, and decays. This workshop explores dissipative quantum chaos along three intertwined threads. The first concerns its fundamental characterization — from non-Hermitian random matrix theory and Lindbladian spectra to insights from holography and strongly interacting models. The second addresses many-body dynamics, asking how driven-dissipative systems thermalize, scramble information, or resist chaos altogether. The third connects theory to experiment, with platforms such as quantum fluids of light and complex photonic media where dissipation is not merely a nuisance but a resource. By bringing these perspectives together, DiQuaC2026 aims to chart a unified picture of chaos in open quantum systems.

INVITED SPEAKERS

- **Alessandro Silva**
SISSA, Italy
- **Lucas Sá**
University of Cambridge, UK
- **Federico Roccati**
University of Palermo, Italy
- **Alberto Biella**
CNR-INO, University of Trento, Italy
- **Julian Sonner**
University of Geneva, Switzerland
- **Leonardo Ricci**
University of Trento, Italy
- **Pietro Brighi**
University of Vienna, Austria
- **Iacopo Carusotto**
CNR-INO, University of Trento, Italy
- **Stefan Rotter**
TU Wien, Austria
- **Marco Schirò (TBC)**
Collège de France, France
- **Federico Balducci**
MPI-PKS Dresden, Germany

ORGANISERS

CONTACTS

Staff Dipartimento di Fisica
0461 28-1219-1504-1575-2042
df.supportstaff@unitn.it

SCIENTIFIC COORDINATORS

Andrea Legramandi
Leela Ganesh Chandra Lakkaraju
Philipp Hans Juergen Hauke



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