



STATPHYS
2025 FLORENCE
JULY 13 – 18, 2025

29

THE 29TH
INTERNATIONAL
CONFERENCE
ON STATISTICAL
PHYSICS - STATPHYS





- 5/9 (55%) W (plenaries)
- 18/58 (31%) W (invited)

PLENARY SPEAKERS

Alice Guionnet
(ENS-Lyon, France)
Kirone Mallick
(CEA Saclay, France)
Pasquale Calabrese
(SISSA Trieste, Italy)
Srikanth Sastry
(JNCASR, Bangalore, India)
Aleksandra Walczak
(ENS Paris, France)

Emanuela del Gado
(Georgetown University, USA)
Massimo Cencini
(ISC-CNR Rome, Italy)
Ginestra Bianconi
(Queen Mary University of London, UK)
Lenka Zdeborova
(EPFL Lausanne, Switzerland)

INVITED SPEAKERS

TOPIC 1

General and mathematical aspects

Slava Rychkov (IHES, Paris, France)
Thierry Bodineau (IHES, Paris, France)
Tridib Sadhu (TIFR, Mumbai, India)
Wei Zhu (West Lake University, China)
Sabine Jansen (University of Munich, Germany)
Rajesh Ravindran (Institute of Mathematical Sciences Chennai, India)

TOPIC 2

Out-of-equilibrium statistical physics

Felix Ritort (University of Barcelona, Spain)
Leonie Canet (University of Grenoble, France)
Aljaz Godec (Max Planck Institute for Multidisciplinary Sciences, Göttingen, Germany)
Andrea Gambassi (SISSA, Trieste, Italy)
Debra Bernhardt Searies (University of Queensland, Australia)
Antonio Politi (University of Aberdeen, UK and ISC-CNR, Florence, Italy)

TOPIC 3

Quantum many-body systems and quantum fluids

Benjamin Doyon (King's College London, UK)
Nicole Yunger-Halpern (NIST and University of Maryland, USA)
Adam Nahum (ENS, Paris, France)
Janet Anders (University of Exeter, UK)
Jae Dong Noh (Seoul University, Republic of Korea)
Ronnie Kosloff (Hebrew University of Jerusalem, Israel)

TOPIC 4

Disordered and glassy systems

Ludovic Berthier (University of Montpellier, France)
Kirsten Martens (University of Grenoble, France)
Sarika Bhattacharyya (Polymer Science and Engineering Division, CSIR-National Chemical Laboratory, India)
Marco Tarzia (Sorbonne University, France)
Tommaso Rizzi (CNR Nanotech, La Sapienza, Italy)
Edan Lerner (University of Amsterdam, The Netherlands)

TOPIC 5

Biological physics

Irene Giardina (University of Rome La Sapienza, Italy)
Rosalind Allen (Friedrich Schiller University, Jena, Germany)
Mukund Thattai (NCBS, Bangalore, India)
Dapeng Bi (Northeastern University, USA)
Jacopo Grilli (ICTP, Trieste, Italy)
Evelyn Tang (Rice University, USA)

TOPIC 6

Soft matter

Julia Yeomans (University of Oxford, UK)
Corentin Coullais (University of Amsterdam, The Netherlands)
Samridhi Sankar Ray (ICTS, Bangalore, India)
Eleni Katifori (University of Pennsylvania, USA)
Chantal Valeriani (Universidad Complutense de Madrid, Spain)
Alex Hansen (NTNU, Norway)

TOPIC 7

Nonlinear physics

Gregory Eyink (Johns Hopkins University, USA)
Freddy Bouchet (ENS LMD, Paris, France)
Takeshi Matsumoto (Kyoto University, Japan)
Astero Provata (National Center for Scientific Research Demokritos, Greece)
Patrick Louodop (University of Dschang, Cameroun)
Pablo Mininni (University of Buenos Aires, Argentina)

TOPIC 8

Interdisciplinary and complex systems

Amos Maritan (University of Padova, Italy)
Hernán Makse (City College of New York, USA)
Linyuan Lu (University of Electronic Science and Technology of China)
Richard Blythe (University of Edinburgh, UK)
Diego Garlaschelli (IMT, Lucca, Italy)
Tiago de Paula Peixoto (Central European University, Austria)
Jefferson Arenzon (UFRCs, Brazil)
Katarzyna Sznajd-Weron (Wrocław University of Science and Technology, Poland)

TOPIC 9

Statistical physics of machine learning and information

Riccardo Zecchina (Bocconi University, Italy)
Eric Vanden Eijnden (Courant NYU, USA)
Ahmed El Alaoui (Cornell University, USA)
Marta Sales-Pardo (Universitat Rovira i Virgili, Tarragona, Spain)
Dmitry Krotov (IBM Research, USA)
Gabriel Marylou (Ecole Polytechnique, Paris, France)
Yoshiyuki Kabashima (University of Tokyo, Japan)
Pan Zhang (Chinese Academy of Sciences, China)

MARK THE IMPORTANT DEADLINES

- Date of the Conference**
July 13-18 2025
- Location**
Florence
- Early Bird Registration fee**
April 15th

For detailed registration info scan QR



FINANCIAL SUPPORT

- Application deadline**
April 14th

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries

For detailed information and application scan QR



USEFUL CONTACTS

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ENDORSEMENTS



Florence warmly welcomes all scientists to StatPhys29, a conference dedicated to the sharing, equity and advancement of science worldwide.



	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00-10:00	Plenary	Plenary	IUPAP	Plenary	Plenary
10:00-10:30	Coffee break			Coffee break	
10:30-11:30	Parallel (x8)	Parallel (x8)		Parallel (x8)	Parallel (x8)
11:30-12:30	Parallel (x8)	Parallel (x8)		Parallel (x8)	Parallel (x8)
12:30-14:00	Lunch break				
14:00-15:00	Plenary	Plenary	FREE	Plenary	Plenary
15:00-16:00	Parallel (x8)	Plenary		Parallel (x8)	Parallel (x8)
16:00-16:30	Coffee break			Coffee break	
16:30-17:30	Parallel (x8)	Parallel (x8)		Parallel (x8)	Parallel (x8)
17:30-18:30	Posters			Posters	



9 plenaries
 58 invited
 364 contributed orals
 1200-1400 posters

Stefano Ruffo
 ruffo@sisa.it

29 satellite events

5 of them organized jointly with people in the Florence Theory Group

- *Fluctuations in self-interacting and learning processes* [L Buffoni]
- *Complex flows and complex fluids* [S Lepri, A Politi]
- *Enrico Fermi e gli sviluppi della meccanica statistica in Italia*
[F Bagnoli, G Pacini, P Politi, R Livi]
- *Long-range interactions and dynamics in complex quantum systems* [S Ruffo]
- *Non-equilibrium statistical physics: mathematical and physical advances* [FC]

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Enjoy!