



Du
30
SEPT.
2024
au
18
OCT.
2024

08h30
-
19h30

2024-PC2 RANDOM TENSORS AND RELATED TOPICS

Random tensors and related topics

IHP
11, Rue Pierre et Marie Curie
75005 Paris

INSCRIPTION

Thematic programme at the Institut Henri Poincaré, Paris

The conferences and courses of this programme will also be accessible online.

The main webpage of the event can be found at [this address](https://www.ihp.fr/fr/events/random-tensors-and-related-topics).

Registration is free but mandatory.

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URL de la page : <https://www.ihp.fr/fr/events/random-tensors-and-related-topics>

ABOUT THE PROGRAMME

Random tensors are expected to play a growing role in many areas of mathematics, physics, and computer science, but communities working with tensors have developed different approaches to their study, with different tools and results. This is the second event in a series of encounters (first one [here](#)) aimed at exploring the connections between these approaches at the technical and conceptual level, with an emphasis on mathematics and statistics, quantum information, condensed matter physics, and quantum gravity and discrete geometry.

SCHOOL : SEPTEMBER 30 - OCTOBER 4

>> The school will revolve around five mini lectures:

Gerard Ben-Arous * // Courant Institute, NYU // USA

Matthias Christandl // U of Copenhagen // Denmark

Sabine Harribey // Nordita // Sweden

Ion Nechita // CNRS - U of Toulouse // France

David Perez-Garcia // U Complutense de Madrid // Spain

MIDDLE WEEK: OCTOBER 7 - 11

>> There will be two doctoral courses during this week:

Guillaume Aubrun // U de Lyon 1 // France

Frédéric Holweck // U de Technologie de Belfort-Montbéliard // France

Mohamed El Amine Seddik // Technology Innovation Institute // Abu Dhabi

>> Other events to be announced

CONFERENCE : OCTOBER 14 - 18

Mari-Carmen Bañuls	Max Planck Institute of Quantum Optics	Germany
Sylvain Carrozza	U de Bourgogne	France
Gemma De les Coves	U of Innsbruck	Austria
Leticia Cugliandolo	Sorbonne U	France
Razvan Gurau	U Heidelberg	Germany
Joseph Landsberg	Texas A&M U	USA
Benjamin McKenna *	Harvard U	USA
Yoshiko Ogata *	Tokyo U	Japan
Carlos Palazuelos	Complutense U of Madrid	Spain
Valentina Ros	CNRS - U Paris-Saclay	France
Shinsei Ryu *	Princeton U	USA
Norbert Schuch	U of Vienna	Austria
Stanislaw Szarek	Case Western Reserve U & Sorbonne U	USA & France
Peter Vrana	Budapest U of Technology and Economics	Hungary
Michael Walter	Ruhr U Bochum	Germany

ORGANIZING COMMITTEE

- Benoit Collins (Kyoto U)
- Stéphane Dartois (U Paris-Saclay, CEA List)
- Cécilia Lancien (CNRS, U Grenoble Alpes)
- Luca Lionni (CNRS, ENS de Lyon)

This event is organized in partnership with the Clay Mathematics Institute



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HORAIRES

L'institut :

- lundi au vendredi de 8h30 à 18h,
- fermé les jours fériés.

Le musée - Maison Poincaré :

- lundi, mardi, jeudi et vendredi de 9h30 à 17h30,
- samedi de 10h à 18h,
- fermé le mercredi et le dimanche.