From
03
OCT.
2022
to
07
OCT.
2022

08h00
-
18h00

2022-T3 GEOMETRY & STATISTICS IN DATA SCIENCES

Non-Linear and High Dimensional Inference

Institut Henri Poincaré
Amphithéâtre Hermite
11 rue Pierre et Marie Curie 75005 Paris

Non-Linear and High Dimensional Inference

3-7 October 2022 - IHP, Paris

In statistical learning and modern statistics, it is usually assumed that although data is observed in very high dimension, it actually live on — or near — a geometric structure of low dimension. The knowledge of such a low-complexity structure is of fundamental importance to improve both theoretical and computational aspects of a learning procedures.

Program and Abstracts

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Invited Speakers

- Peter Bartlett (UC Berkeley)
- Mikhail Belkin (UC San Diego)
- Denis Belomestny (Duisburg-Essen)
- Clément Bérenfeld (CEREMADE, Dauphine)
- Gilles Blanchard (LMO, Orsay)
- Alexander Cloninger (UC San Diego)
- Adeline Fermanian (Mines ParisTech)
- Damien Garreau (U Côte d'Azur)
- John Harlim (Penn State)
- Claire Lacour (Paris-Est, Marne-la-Vallée)
- Sophie Langer (TU Darmstadt)
- Marina Meila (University of Washington)
- Franck Picard (ENS Lyon)
- Wolfgang Polonik (UC Davis)
- Judith Rousseau (Oxford)
- Botond Szabó (Bocconi)
- Johannes Schmidt-Hieber (Twente)
- Claudia Strauch (Aarhus)
- Vasiliki Velona (Hebrew University of Jerusalem)
- Nicolas Verzelen (Inrae Montpellier)

INSTITUT HENRI POINCARÉ

Sorbonne Université / CNRS
11 rue Pierre et Marie Curie
75231 Paris Cedex 05

TIMETABLE

The institute:
• Monday to Friday from 8:30am to 6pm,
• closed on public holidays.

The museum - Maison Poincaré :
• Monday, Tuesday, Thursday and Friday
from 9:30am to 5:30pm,
• Saturday from 10am to 6pm,
• closed on Wednesday and Sunday.

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