



From
12
SEP.
2022
to
08
DEC.
2022

09h00
-
18h00

2022-T3 GEOMETRY & STATISTICS IN DATA SCIENCES

GESDA Long & Short Courses

GESDA Long & Short Courses

Schedule

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[Subscribe here to newsletter and announcements](#)

Join Online

URL of the page: https://www.ihp.fr/en/events/gesda-long-short-courses&is_pdf=true

- Video stream link: [Omnilive](#)
- Chat link: [here](#) (only for text and audio chat)
 - Meeting ID: 896 4904 3130
 - Password: 761157

Course Material

Long Courses (Dedicated Pages)

- Quentin Mérigot (LMO, Orsay)
 - *[Optimal Transport](#)*
- Ery Arias-Castro (UC San Diego) and Eddie Aamari (U Paris Cité & Sorbonne U)
 - *[Embedding for Data Analysis : Multidimensional Scaling and Manifold Learning](#)*
- Eric Klassen (Florida State)
 - *[Geometry of Shape Spaces of Curves and Surfaces](#)*
- Wolfgang Polonik (UC Davis)
 - *[Statistical Topological Data Analysis](#)*

Mini-Courses

- Joseph Yukich (Lehigh University)
 - *[Asymptotic Analysis of Statistics of Random Geometric Structures](#)*
- Nicolas Charon (John Hopkins)
 - *[A Few Applications of Geometric Measure Theory to Shape Analysis](#)*
- Mikhail Belkin (UC San Diego)
 - *[Mathematical Aspects of Deep Learning](#)*
- Yusu Wang (UC San Diego)
 - *[Some Theoretical Aspects of Graph Neural Networks \(and Higher Order Variants\)](#)*
- Kathryn Hess (EPFL)
 - *[Topological Approaches to Neuroscience](#)*
- Stephen Preston (Brooklyn College)
 - *[Riemannian Geometry on Lie Groups](#)*



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.