



Du
12
SEPT.
2022
au
08
DÉC.
2022

09h00
-
18h00

2022-T3 GEOMETRY & STATISTICS IN DATA SCIENCES

~~GESDA Long & Short Courses~~

INSCRIPTION

GESDA Long & Short Courses

Schedule



[Subscribe here to access to video records and course material](#)

Join Online

URL de la page : https://www.ihp.fr/fr/agenda/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, register [here](#) to get access to material)

- 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 (Register [here](#) to get access to material)

- 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](#)*



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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.