

From

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SEP.

2022

to

80

DEC.

2022

09h00

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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

Video stream link: <u>Omnilive</u>

• Chat link: <u>here</u> (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

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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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