GDR MIA Thematic Days on High-Dimensional Data Analysis

October 21-22, 2021

FRUMAM St Charles, Marseille, FRANCE

Summary

The analysis of high-dimensional data sets is now ubiquitous in many applications and blends tools from probability theory, machine learning, geometry, graph theory, statistics and optimization. The objective of this two-day event is to gather researchers from different backgrounds to explore recent advances in this field and to stimulate discussions. Special attention will be given to young researchers who are encouraged to participate with an introductory lecture on the first day and dedicated funding for their travel and accommodation.

Format

The event is organized into two parts:

Thursday, October 21st Introductory lecture on "Measure concentration and statistics in high-dimension: an introduction" by Aurélien Garivier (ENS Lyon).

Friday, October 22nd Research talks

Participants will be able to attend both physically and virtually.

Venue

The event will be held at:

Frumam, St Charles
Aix-Marseille Université
3, place Victor Hugo - MARSEILLE Cedex 03

(5min walk from the railway station St Charles)
Virtual participation will also be possible via Zoom (the link will be sent by email to participants).

Registration

Registration is free but *mandatory*. To register, please fill the form:
https://framaforms.org/gdr-mia-thematic-day-on-high-dimensional-data-analysis-1626874509.

Program

Day 1 - Doctoral course

"Measure concentration and statistics in high-dimension: an introduction" by Aurélien Garivier (ENS Lyon).
This course is dedicated to students and any person willing to acquire a background in measure concentration.

Day 2 - Research talks

Speakers (confirmed):

- Elsa Cazelles (CNRS IRIT, Toulouse)

- Agnès Desolneux (CNRS Centre Borelli, Paris)

- Lénaïc Chizat (CNRS, Orsay)

- Nicolas Keriven (CNRS GIPSA, Grenoble)

- Olga Mula (CEREMADE, Paris)

- François-Xavier Vialard (LIGM, Marne-la-Vallée)