

August 01 - 11
2023

Statistical physics & machine learning back together again

The past decade brought a revolution to machine learning: algorithms are now able to deal with tasks and amounts of data that seemed to be science fiction only a decade ago. The statistical physics community and the machine learning ones were connected and indeed many concepts and algorithms of machine learning have roots in physics. It is time to revive and strengthen this connection

Registration fee :

The school and workshop cost is 1100 euros per participant, covering accommodation, lunches and breakfasts

Important dates

The deadline for application is March, 31st 2023.

Organizer

Damien Barbier (EPFL, IdePhics Lab.)
Vittorio Erba (EPFL, SPOC Lab.)
Florent Krzakala (EPFL, IdePhics Lab.)
Bruno Loureiro (ENS Paris)

Lenka Zdeborova (EPFL, SPOC Lab.)

Speakers

Yasaman Bahri (Google)
Gérard Ben Arous (NYU)
Guy Bresler (MIT)
Joan Bruna (NYU)
Ahmed El Alaoui (Cornell)
Marylou Gabrié (Polytechnique Paris)
David Gamarnik (MIT)
Cedric Gerbelot (NYU)
Surbi Goel (UPenn)

Sebastian Goldt (SISSA Trieste)
Alice Guionnet (ENS Lyon)
Suriya Gunasekar (Microsoft)
Boris Hanin (Princeton)
Samuel Hopkins (MIT)
Roberto Imbuzeiro Oliveira (IMPA)
Julia Kempe (NYU)
Yue Lu (Harvard)
Antoine Maillard (ETH Zurich)
Marc Mézard (Bocconi)
Theodor Misiakiewicz (Stanford)
Remi Monasson (ENS Paris)
Christopher Moore (Santa Fe Institute)
Giorgio Parisi (La Sapienza Roma)
Cengiz Pehlevan (Harvard)

Galen Reeves (Duke)
Cindy Rush (Columbia)
Andrew Saxe (UCL)
Mark Sellke (Harvard)
Guilhem Semerjian (ENS Paris)
Subhabrata Sen (Harvard)
Allan Sly (Princeton)
Haim Sompolinsky (Harvard & HUJI)
Nathan Srebro (TTIC)
Pragya Sur (Harvard)
Eric Vanden-Eijnden (NYU)
Soledad Villar (Johns Hopkins)
Matthieu Wyart (EPFL)
Ilias Zadik (MIT)
Riccardo Zecchina (Bocconi)

Information

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