

July 3 - August 12
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)	Sebastian Goldt (SISSA Trieste)	Galen Reeves (Duke)
G�rard Ben Arous (NYU)	Alice Guionnet (ENS Lyon)	Cindy Rush (Columbia)
Guy Bresler (MIT)	Suriya Gunasekar (Microsoft)	Andrew Saxe (UCL)
Joan Bruna (NYU)	Boris Hanin (Princeton)	Mark Sellke (Harvard)
Ahmed El Alaoui (Cornell)	Samuel Hopkins (MIT)	Guilhem Semerjian (ENS Paris)
Marylou Gabri� (Polytechnique Paris)	Roberto Imbuzeiro Oliveira (IMPA)	Subhabrata Sen (Harvard)
David Gamarnik (MIT)	Julia Kempe (NYU)	Allan Sly (Princeton)
Cedric Gerbelot (NYU)	Yue Lu (Harvard)	Haim Sompolinsky (Harvard & HUJI)
Surbi Goel (UPenn)	Antoine Maillard (ETH Zurich)	Nathan Srebro (TTIC)
	Marc M�zard (Bocconi)	Pragya Sur (Harvard)
	Theodor Misiakiewicz (Stanford)	Eric Vanden-Eijnden (NYU)
	Remi Monasson (ENS Paris)	Soledad Villar (Johns Hopkins)
	Cristopher Moore (Santa Fe Institute)	Matthieu Wyart (EPFL)
	Giorgio Parisi (La Sapienza Roma)	Ilias Zadik (MIT)
	Cengiz Pehlevan (Harvard)	Riccardo Zecchina (Bocconi)

Information

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<https://iesc.universita.corsica>