

## HDPa 2019 Summer School

	Mon 1	Tue 2	Wed 3	Thu 4	Fri 5
09:00-09:30	Welcome				
09:30-10:30	S. Bubeck (1)	J. Tropp (3)	S. Bubeck (5)	J. Tropp (6)	J. Tropp (8)
10:30-11:00	Break	Break	Break	Break	Break
11:00-12:00	S. Bubeck (2)	J. Tropp (4)	J. Tropp (5)	J. Tropp (7)	J. Tropp (9)
12:00-13:45	Lunch				
13:45-14:30	O. Klopp	N. Verzelen	L. Zdeborova	A. Carpentier	
14:30-15:30	J. Tropp (1)	S. Bubeck (3)	S. Bubeck (6)	S. Bubeck (8)	
15:30-16:00	Break	Break	Break	Break	
16:00-17:00	J. Tropp (2)	S. Bubeck (4)	S. Bubeck (7)	S. Bubeck (9)	
17:00-17:45	Y. De Castro	L. Massoulié			
18:00--			Buffet		

Lectures (amphi Rataud/Galois):

- **Sébastien Bubeck**: Some geometric aspects of randomized online decision making.
- **Joel Tropp**: Random matrix theory and computational linear algebra.

Talks (amphi Rataud/Galois):

- **Alexandra Carpentier**: Introduction to some problems of composite and minimax hypothesis testing.
- **Yohann De Castro**: Spectral convergence of random graphs and a focus on random geometric graphs.
- **Olga Klopp**: Sparse Network Estimation.
- **Laurent Massoulié**: Planting trees in graphs, and finding them back.
- **Nicolas Verzelen**: Clustering with the relaxed K-means.
- **Lenka Zdeborova**: Loss landscape and behaviour of algorithms in the spiked matrix-tensor model.

Coffee breaks: in Espace Cartan – Maths department (DMA)

Buffet: in the restaurant « patio » (or in « Cour Pasteur » if nice weather)

Lunch: not provided

Wifi: Eduroam (or ask the organizers for a special account)