

Summer School: Mathematics of Large Networks

Schedule (2022.05.30. - 2022.06.04.)

May 30, Monday

09:00 - 11:00	Ginestra Bianconi	Higher-order networks: An introduction to simplicial complexes
11:00 - 11:30	Coffee break	
11:30 - 12:30	Ginestra Bianconi (TA)	Higher-order networks: An introduction to simplicial complexes part 2
12:30 - 14:30	Lunch break	
14:30 - 16:30	Renaud Lambiotte	Modularity and Random Walks on Networks
16:30 - 16:50	Coffee break	
16:50 - 17:50	Renaud Lambiotte	Modularity and Random Walks on Networks
17:50 -	Wine & Cheese event	

May 31, Tuesday

09:00 - 10:00	Ginestra Bianconi	Higher-order networks: An introduction to simplicial complexes
10:00 - 11:00	Ginestra Bianconi (TA)	
11:00 - 11:30	Coffee break	
11:30 - 12:30	Kavita Ramanan	Dynamics on Sparse and Heterogeneous Networks
12:30 - 14:30	Lunch break	
14:30 - 15:30	Giorgio Cocomello – Ramanan (TA)	
15:30 - 16:30	Remco van der Hofstad	Local and global structure of random graphs and complex networks / Lecture 1: Real-world networks and random graphs
16:30 - 16:50	Coffee break	
16:50 -	Short talks	

June 1, Wednesday

9:00 - 10:00	Remco van der Hofstad	Local and global structure of random graphs and complex networks / Lecture 2: Local convergence of random graphs
10:00 - 11:00	Maitra – van der Hofstad (TA)	
11:00 - 11:30	Coffee break	
11:30 - 12:30	Kavita Ramanan	Dynamics on Sparse and Heterogeneous Networks
12:30 – 14:30	Lunch break	
	Free afternoon	

June 2, Thursday

09:00 - 11:00	Gergely Palla	Hyperbolic networks: models, embedding and community structure
11:00 - 11:30	Coffee break	
11:30 - 12:30	Remco van der Hofstad	Local and global structure of random graphs and complex networks / Lecture 3: The giant in random graphs is almost local
12:30 - 14:30	Lunch break	
14:30 - 15:30	Kavita Ramanan	Dynamics on Sparse and Heterogeneous Networks
15:30 - 16:30	Erik Hörmann – Lambiotte (TA)	
16:30 - 16:50	Coffee break	
16:50 -	Short talks	

June 3, Friday

09:00 - 11:00	Gergely Palla	Hyperbolic networks: models, embedding and community structure
11:00 - 11:30	Coffee break	
11:30 - 12:30	Erik Hörmann – Lambiotte (TA)	
13:20 - 14:30	Lunch break	
14:30 - 15:30	Giorgio Cocomello – Ramanan (TA) Neeladri Maitra – van der Hofstad (TA)	
15:30 - 16:30		
16:30 - 16:50	Coffee break	
16:50 -	Short talks	