

Evolutionary Graph Theory

Wednesday 16 October 2024

Session: 1 (10:35 - 12:30)

-Conveners: Arne Traulsen

time	[id] title	presenter
10:35	[1] 20th Anniversary of Evolutionary Amplifiers	HAUERT, Christoph
11:25	[3] Discussion: A brief overview of EGT + 2 questions.	SHARMA, Nikhil

Session: 2 (13:30 - 15:20)

-Conveners: Nikhil Sharma

time	[id] title	presenter
13:30	[4] Fixation times of the Moran process	TKADLEC, Josef
14:20	[5] Fixation time in Moran process under strong selection	KOPFOVA, Lenka
14:33	[6] Fixation times on directed graphs	BREWSTER, David
15:00	[7] Amplifiers of selection for the Moran process with both Birth-death and death-Birth updating	SVOBODA, Jakub

Session: 3 (16:00 - 18:00)

-Conveners: Jakub Svoboda

time	[id] title	presenter
16:00	[8] Maximizing the Fixation Probability: Optimization Problems in EGT	PAVLOGIANNIS, Andreas
16:50	[9] Seed Selection in the Heterogeneous Moran Process	PETSINIS, Petros
17:10	[27] Mathematical modeling of spatial evolution: biomedical applications	KOMAROVA, Natalia

Thursday 17 October 2024

Session: 4 (09:00 - 10:50)

-Conveners: Diogo Pires

time	[id] title	presenter
09:00	[12] Mutant fate in deme-structured populations on graphs	BITBOL, Ann-Florence
09:50	[13] Spatial structure facilitates evolutionary rescue by cost-free drug resistance	FRUET, Cecilia
10:10	[14] Bridging Wright-Fisher and Moran models	ALEXANDRE, Arthur
10:30	[15] Mutant dynamics in spatially structured populations: the role of non-mixing and mixing transfer strategies	BERRÍOS-CARO, Ernesto

Session: 5 (11:30 - 12:40)

-Conveners: Arthur Alexandre

time	[id] title	presenter
11:30	[16] Network topology accelerates adaptive evolution and increases genetic parallelism in experimental metapopulations of <i>Pseudomonas aeruginosa</i>	KASSEN, Rees
12:20	[17] An extension to the Moran Process to account for variable population sizes	BERRY, George

Session: 6 (13:40 - 14:30)

-Conveners: Cecilia Fruet

time	[id] title	presenter
13:40	[10] Invasion of cooperative parasites in structured host populations	POKALYUK, Cornelia

Session: 7 (19:00 - 19:50)

-Conveners: George Berry

time	[id] title	presenter
19:00	[20] Clonal interference, genetic variation and the speed of evolution in structured populations	CARJA, Oana

Friday 18 October 2024

Session: 8 (09:00 - 09:50)

-Conveners: Natalia Slyeptsova

time	[id] title	presenter
09:00	[21] The role of deleterious mutations in spatial and graph-structured populations	KRUG, Joachim

Session: 9 (14:00 - 15:50)

-Conveners: David Brewster

time	[id] title	presenter
14:00	[22] Evolutionary graph theory: when is an evolutionary process equivalent to the Moran process?	BROOM, Mark
14:50	[23] Multiplayer cooperation in networks of communities	PIRES, Diogo
15:10	[24] Natural death rate drives star graphs from amplifiers to suppressors of natural selection	SLYEPTSOVA, Natalia
15:30	[25] Evolutionary bet-hedging in structured populations	SHARKEY, Kieran