

Workshop on Stochastic Games: theory and computational aspects

Location: Social and Behavioral Sciences Building (SBS), 7th floor, Room N702

Building directly across the street from the Hilton Garden Inn

Organizers: Xavier Venel and Bruno Ziliotto

Friday, July 22, 2022

8:30 am - 9:00 am	Breakfast
9:00 am - 9:45 am	Sylvain Sorin (Mathematics Institute of Jussieu–Paris Rive Gauche): Operator Approach in 0-sum Stochastic Games
9:45 am - 10:30 am	Guillaume Vigeral (CEREMADE, Paris Dauphine University): Zero-sum Stochastic Games with Intermittent Observation of the State
10:30 am - 11:00 am	Coffee Break
11:00 am - 11:45 am	Jérôme Renault (Toulouse School of Economics): Splitting Games over Finite Sets
11:45 am - 12:30 pm	Raimundo Saona (Institute of Science and Technology Austria): Percolation games: A bridge between Game Theory and Analysis
12:30 pm - 2:00 pm	Break
2:00 pm - 2:45 pm	Véronique Bruyère (University of Mons): Stackelberg-Pareto Synthesis and Verification
2:45 pm - 3:30 pm	Hugo Gimbert (CNRS researcher in LaBRI): Distributed Asynchronous Games
3:30 pm - 4:00 pm	Coffee Break
4:00 pm - 4:45 pm	Abraham Neyman (Hebrew University of Jerusalem): Robust Equilibria in Stochastic Games
4:45 pm - 5:30 pm	Orin Munk (Tel Aviv University): Approximating an Absorbing Game Using Collections of Games
6:00 pm - 9:00 pm	Reception Dinner at the Three Village Inn

Saturday, July 23, 2022

8:30 am - 9:00 am	Breakfast
9:00 am - 9:45 am	Ben Brooks (University of Chicago): Computing Subgame Perfect Equilibrium Payoffs
9:45 am - 10:30 am	Kristoffer Arnsfelt Hansen (Aarhus University): Stochastic Games from the viewpoint of Computational Complexity Theory
10:30 am - 11:00 am	Coffee Break
11:00 am - 11:45 am	Eugene Feinberg (Stony Brook University): Sequential Optimization of CVaR for MDPs is a Stochastic Game: Existence and Computation of Optimal Policies
11:45 am - 12:30 pm	T. E. S. Raghavan (University of Illinois at Chicago): Policy Improvement Algorithm for Additive Reward and Additive Transition Stochastic Games