

The Mathematics of Games in the Applied Sciences

IME – UFF, Rio de Janeiro, August 10 – 11, 2018

Program

Hour	Thursday, 09	Hour	Friday, 10	Saturday, 11
		09:00 - 10:00	Andrea Bertozzi (UCLA) <i>Mathematics of Crime</i>	Pierre-Emmanuel Jabin (University of Maryland) <i>Mean Field limits for multi-agent systems coupled through a global optimization</i>
		10:00 - 11:00	José Fontanari (IFSC-USP) <i>Population dynamics of overshoot and collapse</i>	Diogo Gomes (KAUST) <i>A mean-field game price formation model</i>
		11:00 - 11:30	Coffee break	
		11:30 - 12:30	Eduardo Massad (USP) <i>Mathematical Games and Diseases</i>	Alberto Pinto (Univ. do Porto) <i>A vaccination game</i>
14:00 - 14:30	Registration	12:30 - 14:30	Lunch	
14:30 - 15:00	Opening	14:30 - 15:30	Pierre Degond (Imperial College) <i>On the interplay between kinetic theory and game theory</i>	Roberto Imbuzeiro (IMPA) <i>Interacting diffusions on random graphs with diverging degrees: hydrodynamics and large deviations</i>
15:00 - 16:30	Pierre Degond (Imperial College) <i>General Public Lecture</i>	15:30 - 16:30	Edgar Pimentel (PUC-Rio) <i>Fully nonlinear mean-field games</i>	Jorge P. Zubelli (IMPA) <i>Nonzero-sum stochastic impulse games in energy markets</i>
16:30 - 17:00	Coffee break	16:30 - 17:00	Coffee break	
17:00 - 18:30	Vinicius Albani (UFSC) <i>General Public Lecture Options and Derivatives</i>	17:00 - 18:00	Hasnaa Zidani (ENSTA ParisTech) <i>Trajectory reconstruction for some game problems under state constraints</i>	Sebastian Jaimungal (University of Toronto) <i>Mean Field Games with Differing Beliefs for Algorithmic Trading</i>
		18:00 - 19:00	Max de Souza (UFF) <i>Games and Epidemiological Models</i>	Closing