

## 17 – Nonlinear Parabolic and Elliptic PDE's and their Applications - Room 228

Time	Tuesday, 16	Wednesday, 17
14:30 - 15:10	<b>Cyril Imbert</b> (CNRS & IMPA) <i>Schauder estimates for kinetic equations</i>	<b>Gabrielle Nornberg</b> (ICMC) <i>Regularity of fully nonlinear equations with superlinear gradient growth</i>
15:10 - 15:50	<b>Flavio Dickstein</b> (UFRJ) <i>Positive solutions of a semilinear heat equation with singular nonlinear term</i>	<b>Edgard Pimentel</b> (PUC-Rio) <i>Improved regularity theory for degenerate diffusions</i>
15:50 - 16:30	<b>Marek Fila</b> (Comenius University) <i>Continuation beyond interior gradient blow-up in a semilinear parabolic equation</i>	<b>François Hamel</b> (Aix-Marseille University) <i>Bistable transition fronts in unbounded domains</i>
16:30 - 16:45	Coffee	
16:45 - 17:25	<b>Nicolas Vauchelet</b> (Université Paris 13) <i>Mathematical modeling of spatial propagation of Wolbachia to control dengue spread</i>	<b>Hugo Tavares</b> (Universidade de Lisboa) <i>Least energy nodal solutions of Hamiltonian elliptic systems with Neumann boundary conditions</i>
17:25 - 18:05	<b>Olivier Ley</b> (Univ. Rennes) <i>Mean Fields Games on networks</i>	<b>Ederson Moreira dos Santos</b> (USP) <i>Sobolev embeddings of <math>G</math>-symmetric functions and applications</i>
18:05 - 18:45	<b>Diego Moreira</b> (UFC) <i>New regularity results on the regularity of semiconvex supersolutions and convex envelope of supersolutions to fully nonlinear Elliptic PDEs</i>	<b>Jean-Michel Roquejoffre</b> (Université Paul Sabatier) <i>Large time behaviour in multi-dimensional FisherKPP equations</i>