

Nonlinear parabolic and elliptic PDE's and their applications

Organizers:

Boyan Sirakov (Pontificia Universidade Católica do Rio de Janeiro)
Philippe Souplet (Université Paris 13)

Description:

The purpose of this session is to gather a group of researchers from Brazil, France, and other countries, to meet and discuss current status of research and future directions in the field of nonlinear parabolic and elliptic PDE's and their applications. The topics include blow-up and concentration phenomena, reaction-diffusion problems, chemotaxis, front propagation, mathematical models in population dynamics and biology, nonlocal nonlinear equations, stochastic control.

Speakers:

Flavio Dickstein (Universidade Federal do Rio de Janeiro)
Marek Fila (Comenius University)
François Hamel (Université d'Aix-Marseille)
Cyril Imbert (Ecole Normale Supérieure, Paris)
Olivier Ley (INSA de Rennes)
Diego Moreira (Universidade Federal do Ceará)
João Marcos do Ó (Universidade de Brasília)
Edgard Pimentel (PUC-Rio)
Jean-Michel Roquejoffre (Université Paul Sabatier, Toulouse)
Ederson Moreira dos Santos (Universidade de São Paulo)
Hugo Tavares (Universidade de Lisboa)
Nicolas Vauchelet (Université Paris 13)