



SADCO INTERNAL RESEARCH REVIEW

24-25 January 2013, Pestana Carlton Madeira

PROGRAMME

Thursday 24th January

08:30 – 08:40	Opening	
08:40 – 09:20	Lars Grüne Bayreuth Universität	Sufficient conditions for the exponential turnpike property
09:20 – 10:00	Daniela Tonon UPMC	Pointwise second order necessary conditions for optimality in optimal control problems with constraints on controls
10:00 – 10:40	Maria Soledad Aronna Universita degli Studi di Padova	Necessary conditions involving Lie brackets for impulsive optimal control problems
10:40 – 11:10	<i>Coffee Break</i>	
11:10 – 11:50	Hasnaa Zidani Ensta ParisTech & Inria	Hamilton-Jacobi theory for optimal control problems with state constraints
11:50 – 12:50	Francis Clarke Université de Lyon	Error and fallacy in control
12:50 – 14:30	<i>Lunch</i>	
14:30 – 15:10	Frédéric Jean Ensta ParisTech	Goal-oriented locomotion: the inverse optimal control approach
15:10 – 15:50	Fabian Wirth Würzburg Universität	Stability of SIS Epidemiological Models under Switching
15:50 – 16:30	Paola Loreti Universita di Roma – La Sapienza	Some aspects of Hopf-Lax-Oleinik type formulas
16:30 – 17:00	<i>Coffee break</i>	
17:00 – 18:00	Sabine Pickenhain Brandenburg University of Technology, Cottbus	Optimal Control Problems with Infinite Horizon - a Hilbert Space Approach
19:30	<i>Leaving for dinner</i>	
20:00	<i>Dinner</i>	

Friday 25th January

08:40 – 09:20	Annalisa Cesaroni Universita degli Studi di Padova	Multiscale financial models with stochastic volatility and singular perturbations problems
09:20 – 10:00	Joseph-Frédéric Bonnans CMAP, Ecole Polytechnique	Optimal control of a semilinear parabolic equation with Singular arcs
10:00 – 10:40	Daniel Hoehener UPMC	Second-order necessary and sufficient optimality conditions for constrained control problems
10:40 – 11:10	<i>Coffee Break</i>	
11:10 – 11:50	Helmut Maurer Universität Münster	Computation of bang-bang and singular controls in planar collision avoidance
11:50 – 12:50	Urszula Ledzewicz Southern Illinois University, Edwardsville	Challenges in Synthesis of Optimal Controls For Problems Arising in Biomedicine
12:50 – 14:30	<i>Lunch</i>	
14:30 – 15:10	Sylvain Sorin UPMC	On some recent links between discrete and continuous time repeated games
15:10 – 15:50	Italo Capuzzo Dolcetta Universita di Roma – La Sapienza	Some topics in mean field games
15:50 – 16:30	Fernando Fontes FEUP, University of Porto	Integral-type Constraint Qualification for Degenerate Maximum Principle
16:30 – 17:00	<i>Coffee break/Farewell</i>	