Day 1
Wednesday 15th November

09.15 – 09.50   Registration

09.50 –10.25   Opening

10.25 – 11.00   "Rates of convergence for the Krasnoselskii-Mann fixed point iteration"

   Roberto Cominetti, Universidad Adolfo Ibáñez (Chile)

11.05 – 11.35   Coffee Break

11.35 – 12.10   "Shape optimization of a layer by layer mechanical constraint for

   additive manufacturing"
   Grégoire Allaire, CMAP, Ecole Polytechnique

12.10 – 12.45   "Deterministic submanifolds and analytic solution of the quantum

   stochastic differential master equation describing a monitored

qubit"

   Pierre Rouchon, CAS, Mines ParisTech

12.45 – 14.15   Lunch

14.15 – 14.50   "Sufficient second-order conditions for bang-bang control problems"

   Eduardo Casas, University of Cantabria

14.50 – 15.25   "Optimal control of systems of reaction-diffusion equations"
   Fredi Tröltzsch, Technische Universität Berlin

15.25 – 15.40
A short Break

15.40 – 16.15   "Some applications of Hamiltonian systems in control theory"
   Dan Tiba, Institute of Mathematics of the Romanian

Academy

16.15 – 16.50   " The turnpike property in optimal control "
   Emmanuel Trélat, Université Pierre & Marie Curie

DAY 2
Thursday 16th November

09.15 – 09.50 "Optimal Control of Time Delay Systems"
Richard Vinter, Imperial College, London

09.50 – 10.25 "Necessary optimality conditions for general optimal control problem

with Volterra-type integral equations on a variable time interval"
Nikolai P. Osmolovskii, U. of Tech. and Humanities in Radom, Poland

10.25 – 11.00 "Second order conditions for control-affine problems: a revised approach and extensions"
Andreï Dmitruk, Russian Academy of Sciences

11.05– 11.35   Coffee Break

11.35 – 12.10 " Controllability under constraints "
Enrique Zuazua, DeustoTech-Bilbao & UAM-Madrid & LJLL-Paris

12.10 – 12.45 "Boundary stabilization of time periodic parabolic systems"
Jean-Pierre Raymond, Université Paul Sabatier, Toulouse

12.45 – 14.15   Lunch

14.15 – 14.50 "A selection of applications of the Bocop toolbox"
Pierre Martinon, INRIA & CMAP, Ecole polytechnique

14.50 – 15.25 "The New Butterfly Relaxation Methods for Mathematical Programs

with Complementarity Constraint"
Mounir Haddou, IRMAR-INSA Rennes

15.25 – 15.40
A short Break

15.40 – 16.15 "Viscosity Solutions of Systems of PDEs with Interconnected Obstacles

and Switching Problem without Monotonicity Condition"
Mohamed Mnif, University of Tunis El Manar

16.15 – 16.50 "A steady-state and dynamical analysis for the optimization of the

bio-gas production in a chemostat model "
Terence Bayen, Université de Montpellier

16.50 – 17.25 "Dynamic programming over noncommutative spaces"
Stéphane Gaubert, INRIA & CMAP, Ecole Polytechnique, CNRS

17. 30 – 18.45   A Cocktail reception

DAY 3
Friday 17th November

09.15 – 09.50   "Risk-Averse Control of Partially Observable Markov Systems"
Andrzej Ruszczynski, Rutgers University

09.50 - 10.25   "Probabilistic Programming: Structural Properties and Applications"

René Henrion, Weierstrass Institute Berlin

10.25 - 11.00   "Properties of probability functions and their level sets"
Wim van Ackooij, EDF R&D, Palaiseau

11.05 - 11.35   Coffee Break

11.35 - 12.10   "Nonlinear representation and application to stochastic differential games"
Nizar Touzi, CMAP, Ecole Polytechnique

12.10 – 12.45 "On the discretization of some nonlinear Fokker-Planck-Kolmogorov equations and applications"
Francisco Silva, Université de Limoges, France

12.45 - 14.15   Lunch