TUTORIALS

Wednesday 18 September, 2013 - Room 2BC60, Dipartimento di Matematica

11.00-12.30  Maurizio Falcone, An introduction to numerical optimal control (1)
15.00-16.30  Maurizio Falcone, An introduction to numerical optimal control (2)

Thursday 19 September, 2013 - Room 2BC60, Dipartimento di Matematica

9.15-10.45  Maurizio Falcone, An introduction to numerical optimal control (3)
15.00-16.30  Frédéric Bonnans, Solving optimal control problems with shooting methods

WORKSHOP, Friday 20 September 2013 - Room 1C150, Dipartimento di Matematica

8.50  Apertura-Opening
9.00-9.45  Maurizio Falcone, Recent results on the approximation of optimal control problems and games
9.45-10.15  Roberto Oboe, Stability of a telerobotic manipulation system with proximity–based haptic feedback
10.15-11.00  Frédéric Bonnans, Optimal control of a parabolic equation involving a singular arc

11.00-11.30  Coffee Break

11.30-12.00  Alessandro Chiuso, Smoothness priors, shrinkage and sparsity in system identification, Bayesian procedures from a classical perspective.
12.00-12.30  Gian Paolo Leonardi, On the subriemannian geodesic equation in Carnot groups
12.30-13.00  Chiara Masiero, On the Multivariate Circulant Rational Covariance Extension Problem

13.00-14.00  Lunch Break

14.00-14.30  Poster Session:
  Marta Zoppello, Controllability and Optimal Strokes for N-link Microswimmer
  Alessandra Buratto and Chiara D'Alpaos, Conjunctive Use of Drinking Water Sources and Interactions Between with Multiple Providers

14.30-15.00  Maria Soledad Aronna, First and higher-order necessary conditions for an impulsive optimal control problem with final state constraints
15.00-15.30  Giovanni Colombo, On the minimum time function for normal linear control systems
15.30-16.00  Davide Cuccato, Non-linear dynamics of ring lasers with amplitude dependent oscillations
16.00-16.40  Pavol Brunovsky, The speculator: a case study of the dynamic programming equation of an infinite horizon stochastic problem

16.40-17.00  Coffee Break

17.00-17.30  Fabio Ancona, On the homogeneous feedback stabilization: the role of resonance
17.30-18.00  Sandro Zampieri, Controllability of complex networks

Abstracts available at  http://www.math.unipd.it/~motta/control%20day.html