

---

## 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