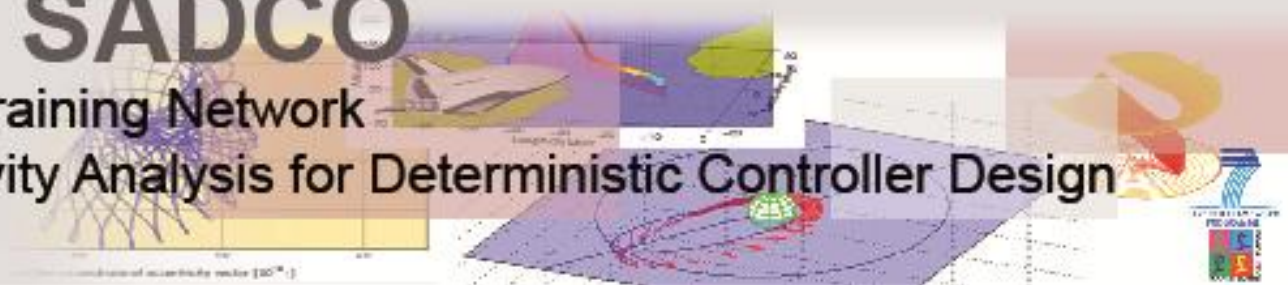


# ITN SADCO

Initial Training Network

Sensitivity Analysis for Deterministic Controller Design



## SADCO DOCTORAL DAYS 2013

### PROGRAMME

*10-12 June 2013, Ensta ParisTech*



This event is co-funded by the European Union under the 7th Framework Programme «FP7-PEOPLE-2010-ITN» Grant agreement number 264735-SADCO

09.30 - 10.00 Registration

**10.00 - 10.30** “Necessary optimality conditions in control theory and regularity of minimizers” **Daniela Tonon**, ER, UPMC

**10.30 - 11.00** “Properties of minimizers that are not also relaxed minimizers ” **Michele Palladino**, ESR, Imperial College London

**11.00 - 11.30** *Coffee Break*

**11.30 - 12.00** “An accelerated semi-Lagrangian/policy iteration scheme for the solution of dynamic programming equations” **Dante Kalise**, ER, University of Rome La Sapienza

**12.00 - 12.30** “Numerical Schemes for Hamilton-Jacobi Bellman equations” **Smita Sahu**, ESR, University of Rome La Sapienza

**12.30 - 13.00** “A decomposition technique for pursuit evasion games with many pursuers ” **Adriano Festa**, ER, Imperial College London

**13.00 - 14.30** *Lunch*

**14.30 - 15.00** “New approach for stochastic target problems with state constraints” **Athena Picarelli**, ESR, Inria & Ensta ParisTech

**15.00 - 15.30** “Singular Perturbations in Deterministic and Stochastic Control ” **Joao Meireles**, ESR, University of Padova

**15.30 - 16.00** “Asymptotic Behavior of Hamilton-Jacobi-Bellman Equation and Infinite Horizon Problem” **Nguyen Ngoc Quoc Thuong**, ESR, University of Rome La Sapienza

**16.00 - 16.30** *Coffee Break*

**16.30 - 17.00** “Infinite Horizon Problems on Stratifiable State Constraints Sets” **Cristopher Hermosilla**, ESR, Ensta ParisTech & Inria

**17.00 – 17.30** “On The Differentiability Of Minimum Time Function For Linear Control Systems” **Nguyen Van Luong**, ESR, University of Padova

**09.30 – 10.00** “LBFGS method, test results”

**Sonja Rauski**, ESR, Astos Solutions

**10.00 - 10.30** “Locally input-to-state stable Lyapunov function constructed by linear programming”

**Huijuan Li**, ESR, University of Würzburg and University of Bayreuth

**10.30 - 11.00** “Controllability of parabolic equations: new results and further applications”

**Roberto Guglielmi**, ER, University of Bayreuth

**11.00 - 11.30** *Coffee Break*

**11.30 - 12.00** “Density Issues for Impulsive Controls”

**Maria Soledad Aronna**, ER, University of Padova

**12.00 - 12.30** “Mixed constrained control in the framework of differential inclusions”

**Igor Kornienko**, ESR, University of Porto

**12.30 - 13.00** “Free time optimal control problems with time delays”

**Andrea Boccia**, ESR, Imperial College London

**13.00 - 14.30** *Lunch*

**14.30 - 15.00** “Collision Avoidance for Driver Assistance Systems”

**Ilaria Xausa**, ESR, Volkswagen

**15.00 - 15.30** “Sensitivity-based multistep feedback MPC”

**Vryan Gil Palma**, ESR, University of Bayreuth

**15.30 – 16.00** “Stability of Economic NMPC for Periodic Systems”

**Mario Zanon**, ESR, KU Leuven

**16.00 - 16.30** “Local regularity of the value function of Mayer's problem with differential inclusions”

**Teresa Scarinci**, Università Tor Vergata di Roma

**16.30 - 17.00** *Coffee Break*

**09.30 - 10.00**

TBA

**Giovanni Cornetti**, BOSCH, Germany**10.00 - 10.30**

TBA

**Denis Clerc**, Astrium, France**10.30 - 11.00**

TBA

**Eric Bourgeois**, CNES, France**11.00 - 11.30** *Coffee Break***11.30 - 13.00**

Poster session

**13.00 - 14.30** *Lunch***14.30 - 16.00**

Poster session

**16.00 - 17.00**

Prize ceremony