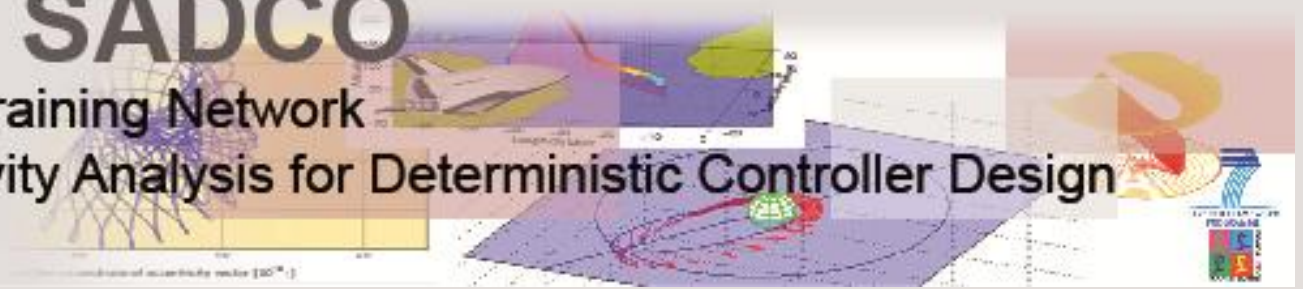


ITN SADCO

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