

EPCO2017: List of talks and posters

Invited talks and tutorial

Andrey Sarychev

Simultaneous control of ensembles of nonlinear systems

Ugo Boscain

Intrinsic random walks in Riemannian geometry via volume sampling

Manuel Guerra

Optimal control: deterministic, stochastic and ramifications

Contributed talks

Margarida Camarinha

Variational obstacle avoidance problem on Riemannian manifolds

M. Margarida A. Ferreira

Optimal control problems with dynamics involving a normal cone

Ana P. Lemos-Paião

A sufficient condition for linear delayed optimal control problems

Delfim F. M. Torres

Optimal control of a delayed HIV model

Fernando A.C.C. Fontes

Trajectories with guaranteed constraint satisfaction in numerically-solved continuous-time optimal control problems

João Henriques

A new high-order Discontinuous Galerkin Method for the numerical solution of continuous and bang-bang optimal control problems

Silvério Rosa

Optimal control of the customer dynamics in a marketing model

Sofia O. Lopes

Multi-crop irrigation system planning via optimal control

Maria do Rosário de Pinho

Multiprocesses with state constraints

Dmitri Karamzin

A generalized existence theorem in impulsive control problems

Miguel Oliveira

Lipschitzian regularity of solution to a problem of calculus of variations

Fernando Lobo Pereira

Model predictive control coordination for the sustainable management of production factors in agriculture

Nuno M. Brites

Fisheries management in random environments: comparison of harvesting policies for the logistic model

Pedro Lourenço

Towards uncertainty optimization in active SLAM

José Manuel Igreja

Self-organized formations in Multiple-Agent Systems using D-MPC

Posters

Andrea Alessandretti

On the design of nonlinear model predictive control schemes with stability guarantees

Joana Fonseca

Design of minimum time trajectories for autonomous underwater vehicles

João N.C. Gonçalves

Optimal control of an epidemiological viral marketing model using indirect and direct methods

Olena Kostylenko

Banking risk as an epidemiological model: an optimal control approach

Luís Tiago Paiva

Electricity generation via optimal control of underwater kite power systems

Nedjem Eddine Ramdani

Radial functions for solving partial integro-differential equations

Paulo Rebelo

Optimal control of virus propagation in computers

Luís A.C. Roque

Switching-time parameterization approaches for the unit commitment problem

Cristiana J. Silva

Optimal control of pre-exposure prophylaxis in HIV prevention

Zhiqi Tang

Aircraft landing using dynamic image-based visual servo control

Kenan Yildirim

Active piezoelectric vibration control for a Timoshenko beam