

June 12th
2025

OPTIMIZATION, MODELING AND CONTROL DAY

Organizers:

Anas Bouali (postdoc at INRAE Montpellier)
Ruben Chenevat (PhD student at INRAE Montpellier)
Gildas Dadjo (PhD student at INRAE Montpellier)

Program

Bâtiment 11 - Salle des conseils P. RAYNAUD

9h00 - 9h45

FRANK DE VELD (PHD AT UNIVERSITÉ CÔTE D'AZUR - NICE)

Maximization of Thrust Initiation Time with of Low-Thrust Satellite Collision Avoidance with Operational Attitude Constraints from an Optimal Control standpoint

9h45 - 10h30

ANTONIN BAVOIL (PHD AT UNIVERSITÉ CÔTE D'AZUR - NICE)

Wind Energy Harvesting with a kite – Analysis of a Point-Mass Model

10h30 - 11h

COFFEE BREAK

11h - 11h45

REMY DUTTO (RESEARCH ENGINEER AT INRAE - MONTPELLIER)

Optimal Control of a Membrane Filtration System

12h - 14h

LUNCH

14h - 14h45

EMILIO MOLINA (POSTDOC AT CREATIS - LYON)

Optimal Control in Support of Medical Sciences

14h45 - 15h30

CLAUDIA ALVAREZ LATUZ (PHD AT AVIGNON UNIVERSITY - AVIGNON)

Properties of the Chemostat system with a perturbation term and numerical optimization

15h30 - 16h

COFFEE BREAK

16h - 16h45

MARC HETIER (PHD AT UNIVERSITÉ DE MONTPELLIER - MONTPELLIER)

Modeling human-environment dynamics in a peri-forest context