

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