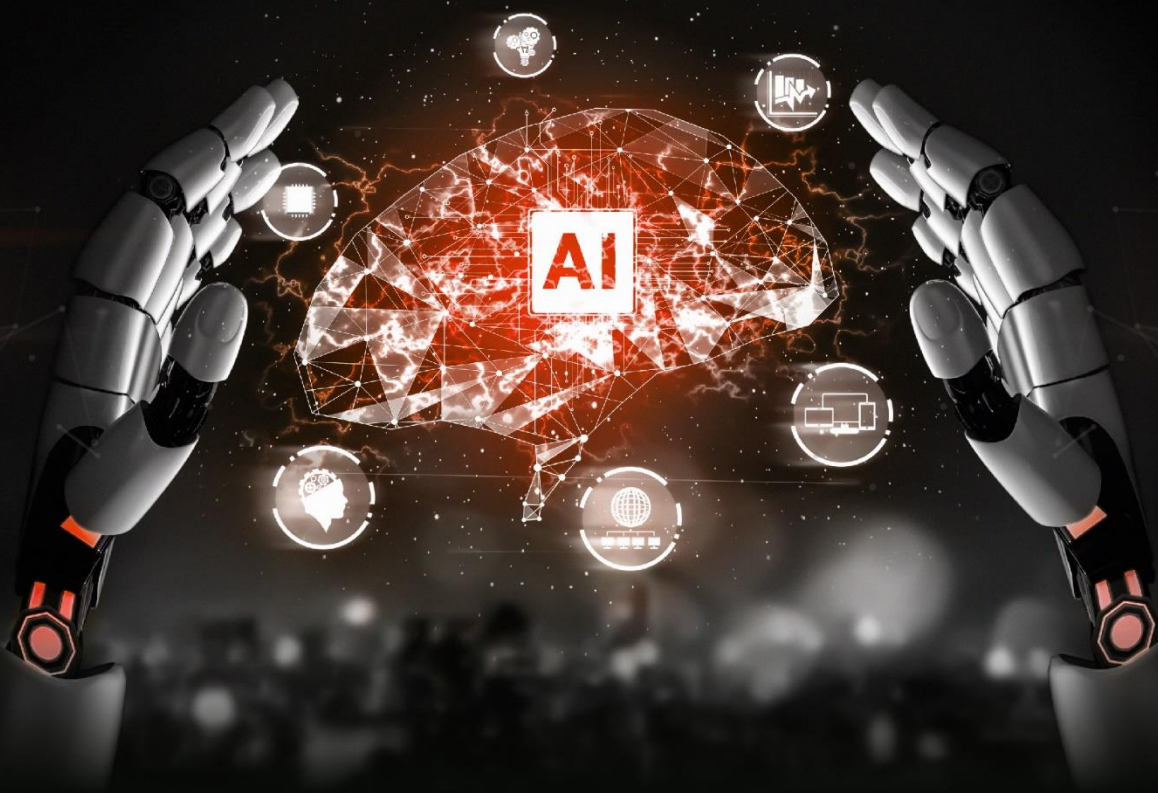




INNOVATIVE ROBOTICS FOR AGILE PRODUCTION

## AGIMUS Winter school Agenda 11-15 Dec 2023, Banyuls, France



**PROJECT ACRONYM:** AGIMUS

**PROGRAMME:** Horizon Europe

**GRANT AGREEMENT:** No 101070165

**TYPE OF ACTION:** Horizon Research & Innovation Actions

**START DATE:** 1 October 2022

**DURATION:** 48 months



Funded by  
the European Union

# AGIMUS Winter school

## Basic information

<b>Date</b>	11-15 December 2023
<b>Location</b>	Banyuls, France
<b>Language</b>	English
<b>Venue</b>	<a href="https://www.obs-banyuls.fr/en/oob.html">https://www.obs-banyuls.fr/en/oob.html</a>
<b>Registration link</b>	<a href="https://aws.sciencesconf.org/registration">https://aws.sciencesconf.org/registration</a>

## Topics

Topic	Speaker
Simulation: dynamics and collisions	Ludovic Righetti
Optimal control: formalization and solvers	Justin Carpentier, Adrien Taylor
Task and motion planning	Nicolas Mansard, Florent Lamiraux
Computer vision: object recognition and tracking	Josef Sivic, Vladimir Petrik, and Mederic Fourmy
ROS2 control for the new Tiago Pro	Luca Marchionni, Narcis Miguel i Baños
Principles of efficient software development for robotics	Guilhem Saurel, Justin Carpentier

## Agenda

11 <sup>th</sup> of December 2023		
Time	Topic	Speaker
08:30-09:30	<b>Registration</b>	-
09:30-12:30	Optimal control: formalization and solvers (OCP1)	Justin Carpentier, Adrien Taylor
12:30-14:00	<b>Lunch break</b>	-
14:00-16:30	Simulation: dynamics and collisions (SIM1)	Ludovic Righetti
16:30-18:00	<b>Coffe break</b>	-
18:00-20:30	<b>Poster session - Welcome reception</b>	-
12 <sup>th</sup> of December 2023		
Time	Topic	Speaker
08:30-12:00	Task and motion planning (TAMP1)	Nicolas Mansard, Florent Lamiraux

**AGIMUS Winter School Agenda**

12:00-13:30	<b>Lunch break</b>	-
13:30-17:30	ROS2 control for the new Tiago Pro (ROS2)	Luca Marchionni, Narcis Miguel i Baños
15:30-19:30	Agimus meeting (PIs)	-
17:30-19:30	<b>Poster session</b>	-

**13<sup>th</sup> of December 2023**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
08:30-12:00	Agimus meeting (PIs)	-
08:30-11:30	<b>Free time</b>	-
11:30-12:30	Software development	Guilhem Saurel, Justin Carpentier
12:30-14:00	<b>Lunch break</b>	-
14:00-18:00	Simulation 2	Ludovic Righetti
18:00-20:00	<b>Coffe break</b>	-
20:00-23:00	<b>Galla at Biodiversarium</b>	-

**14<sup>th</sup> of December 2023**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
08:30-12:30	Optimal control: formalization and solvers (OCP2)	Justin Carpentier, Adrien Taylor
12:30-15:30	<b>Visit of the cave</b>	-
15:30-19:30	Task and motion planning (TAMP2)	Nicolas Mansard, Florent Lamiroux

**15<sup>th</sup> of December 2023**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
08:30-12:30	Visual recognition and tracking	Josef Sivic, Vladimir Petrik, and Mederic Fourmy
12:00-13:30	<b>Lunch break</b>	-
13:30-17:00	Simulation 3	Ludovic Righetti