EUROPEAN UNIVERSITY

UIMP
Universidad Internacional Menéndez Pelayo

Applications of Artificial Intelligence

2 - 19 JUNE 2025
Online

23 - 27 JUNE 2025
Summer school in Santander, Spain

3 ECTS CREDITS

Co-funded by the European Union

BLENDED INTENSIVE PROGRAMME - RESEARCH SUMMER SCHOOL

Unlock the power of tomorrow!

Incoming students
IMPORTANT DATES

APPLICATIONS	ADMISSIONS	ENROLMENT	ONLINE LESSONS	ONSITE LESSONS
11 April	30 April	12 - 23 May	2 - 19 June	23 - 27 June

PRE-REQUISITES

- EUNICE student (mainly PhD, but Master or last year of Bachelor students may also be accepted).
- Scientific background and interest in AI.
- English B2.

HOW TO APPLY & ENROL

- **Incoming students**: contact your International Relations Office (application and **Erasmus+ funding**).
- **UC students**: apply and register through UC Virtual Campus. **12-23 May 2025**.

Applications of Artificial Intelligence

SUMMER SCHOOL
PROGRAMME

COORDINATORS: Emmanuel Adam, Université Polytechnique Hauts-de-France, and Diego García, University of Cantabria
SECRETARY: Gema Pérez, University of Cantabria

Online lessons: **Moodle platform** | Onsite lessons: **Magdalena Palace (Santander-Spain)**, 23-27 June, 9:30-14:00 h

Unit 1 **Overview of AI: from past to present**	Prof. Emmanuel Adam Université Polytechnique Hauts-de-France
Unit 2 **Overview of distributed AI: agents**	Prof. Emmanuel Adam Université Polytechnique Hauts-de-France
Unit 3 **Agent-based model for crowd simulation**	Prof. Mario F. Pavone University of Catania
Unit 4 **Deep learning for meteorological and climate applications**	Prof. José González-Abad University of Cantabria
Unit 5 **From exact solvers to metaheuristics**	Prof. Sara Pérez University of Cantabria
Unit 6 **Generative AI: this is just the begining!**	Prof. Diego García University of Cantabria
Unit 7 **Evolutionary design of 3D agents: applications**	Prof. Konrad Miazga Poznan University of Technology
Unit 8 **Evolutionary design of 3D agents: experiments**	Prof. Konrad Miazga Poznan University of Technology
Unit 9 **Learning through physiological signals**	Prof. Raquel Sebastiaõ Polytechnic Institute of Viseu
Unit 10 **Foundation and generative models in AI-driven health applications**	Prof. Concetto Spampinato University of Catania