

**ERASMUS+ PROGRAMME - EUROPEAN ALLIANCE INITIATIVE**  
**Project: 101124589 - EC2U - ERASMUS-EDU-2023-EUR-UNIV**  
**CALL FOR ERASMUS+ OUTGOING SHORT STUDENT MOBILITIES**  
**RobotCam Project - academic year 2024/25**

## **INTRODUCTION**

European Alliance “EUROPEAN CAMPUS OF CITY UNIVERSITIES – EC2U”. The University of Pavia is part of an Alliance of European Universities called EC2U which includes eight other Universities: Universidade de Coimbra (Portugal), Friedrich-Schiller-Universität Jena (Germany), Universitatea „Alexandru Ioan Cuza” din Iași (Romania), Université de Poitiers (France), Universidad de Salamanca (Spain), Turun Yliopisto (Finland) and Johannes Kepler Universität Linz (Austria). The Alliance is working to develop a shared and European approach to higher education, including several actions and joint projects at all levels.

## **PURPOSE**

In the framework of the Erasmus+ Programme - EUROPEAN ALLIANCE INITIATIVE, and on the basis of the funds available under the project Project: 101124589 - EC2U - ERASMUS-EDU2023-EUR-UNIV, a call for students’ selection is published to assign contributions to attend the RoboCam Project organized in the framework of the EC2U Alliance.

The aim is to develop a collaborative project to control simple robots equipped with a camera to make them able to play a simple version of soccer. Several engineering expertise are required to understand functionalities on PWM, SPI, object tracking, motor control, A/D Conversion acquired during the bachelor courses together with new computer vision and machine learning approaches to be studied autonomously. Programming skills and capabilities to interact with new hardware devices are required. During the virtual phase, students will form interdisciplinary teams and will collaborate to identify navigation problems and most successful approaches to win the game. By integrating virtual and in-person learning, students will develop practical expertise in applying different strategies and exploiting knowledge from different fields to optimize the navigation. Interdisciplinary groups will be promoted in order to favour the enrichment of personal knowledge.

### **1. ELIGIBILITY CRITERIA**

Applicants must fulfil the following compulsory criteria:

- To be duly enrolled at the University of Pavia for the entire duration of the mobility;
- To possess a proficiency in English language of at least a level of CEFR (Common European Framework of Reference for Languages). Students will be required to communicate and discuss fluently in English, take part in group activities and in general to treat any topic with ease;
- Students should be strongly interested in interdisciplinary subjects including mechatronics, electronics, computer vision, software engineering.

### **2. DETAILS ABOUT THE MOBILITY**

The short Mobility will take place in presence at the **University of Poitiers, France, from 12<sup>th</sup> - 16<sup>th</sup> May, 2025** (both included). The mobility will be considered completed and funded only if the participants will attend the full programme.

**University of Poitiers** will provide the students with a certificate of attendance.

### 3. MOBILITY GRANTS

3.1. The mobility grant includes:

- an **individual support** of 79,00€ per student for each day of mobility in presence aiming at covering accommodation and meals costs;
- a **travel support** as follows:

Kilometres	Green Travel	Non-Green Travel
Between 10 and 99 KM	56€	28€
Between 100 and 499 KM	285€	211€
Between 500 and 1999 KM	417€	309€
Between 2000 and 2999 KM	535€	395€
Between 3000 and 3999 KM	785€	580€
Between 4000 and 7999 KM	1188€	1188€
8000 KM or more	1735€	1735€

The kilometres are calculated using the [Erasmus Distance Calculator](#).

3.2. The exact amount of the Erasmus Grant will be explained to the selected students in the Grant Agreements they will be required to sign.

Mobility grants will be paid by the University of Pavia **after the beginning of the mobility in presence** provided that the participant has attended the Short Mobility for its entire duration and s/he is able to provide travel documents (e.g. boarding passes) and the certificate of attendance.

The mobility grant is a fixed amount of money that cannot be incremented under any circumstances.

3.3. The University of Pavia will provide its outgoing students with insurance covering accidents, civil liability and other guarantees in accordance with its internal procedures.

### 4. ONLINE APPLICATION AND DEADLINE

The applicant is required to complete the online application form at the following link by the **25/04/2025** at 12:00 CET - noon.

#### [Application Form](#)

Incomplete applications will not be taken into consideration

## 5. EVALUATION AND SELECTION

The selection will be made by a joint Committee established within the **Department of Electrical, Computer, Biomedical Engineering** headed by the Professor in charge of the Project for the University of Pavia (Prof. Chiara Toffanin).

The following criteria will be taken into consideration:

- Soundness and relevance of applicant's interest for the topics, as expressed in a motivation letter;
- Relevance of applicant's educational records and expertise to the study program.

In case of equal evaluation between two candidates, the Evaluation Commission reserves the right to give priority to those applications which add to the diversity of the study programme in terms of gender balance, year of study, and variety of mobility experience.

The Committee reserves the right to check the validity of declarations and supporting documents. False statements may lead to exclusion from the selection process and the award of the scholarship.

Each applicant will be notified about selection results and the grant in due time, via the email address provided in the application.

**Selected applicants must then officially accept the awarded grant by answering via email.**

## 6. PERSONAL DATA TREATMENT

Personal data submitted by the applicants will be used solely for application and selection procedures and institutional aims, and will be treated in accordance with the European General Data Protection Regulation no. 2016/679 art. 13.

## 7. PERSON RESPONSIBLE FOR THE PROCEDURE AND INFORMATION

Responsible for the administrative procedure, pursuant to Law 7 August 1990, n. 241 as amended by Law n. 15/2005 is Ms. Michela Cobelli, Head of the International Mobility Unit.

For further information please contact [erasmusbip@unipv.it](mailto:erasmusbip@unipv.it).

Pavia, data del protocollo

IL RETTORE  
Francesco Svelto  
(documento firmato digitalmente)