

## COSTS

	Regular	Partners	UCBM
All inclusive (course and accommodation)	€ 4.500,00	€ 4.250,00	€ 3.900,00
Course only (no accommodation)	€ 2.500,00	€ 2.250,00	€ 2.000,00
Accommodation (per week)	€ 700,00	€ 700,00	€ 700,00

## SCHOLARSHIPS

If you meet the entry requirements and you want to apply for a scholarship, please send us your CV and a cover letter before 30/06/2022 at [bootcamp@unicampus.it](mailto:bootcamp@unicampus.it).

We particularly welcome applications from international participants and women in STEM.

## PARTNERS



[BOOTCAMP@UNICAMPUS.IT](mailto:BOOTCAMP@UNICAMPUS.IT) - [HTTP://WWW.UNICAMPUS.IT/ENG/BOOTCAMP](http://www.unicampus.it/eng/bootcamp)

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Corporate Lab  
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# study beyond

**DIGITAL TWIN BOOTCAMP**  
22 AUGUST - 9 SEPTEMBER 2022

**4<sup>th</sup> Edition**  
Corpus Christi College - Cambridge (UK)



## ABOUT THE BOOTCAMP

An intensive 3-week programme of **lectures, labs and project work** to acquire technical skills and soft skills. **Tutoring and teamwork** are essential parts.

You will never be alone - it is a community learning journey!

### Location and Attendance

The Bootcamp will be a **full-immersion experience** held in the heart of Cambridge at **Corpus Christi College**. This prestigious location allows participants to be in the centre of Cambridge surrounded by charming colleges, close to all amenities.

Attendance is totally flexible. You can choose!

We combine **the best of the physical and the digital world**: the full programme is available online for the first two weeks with live sessions or in person in Cambridge. Last week we require all participants to be attending in person.

### What are the aims?

- To introduce participants to **foundations of IoT** and to the **main tools and methods of AI** with lectures, group work and hands-on tutorials.
- To provide practical experience using **industry case-studies** from our partner businesses through a week-long **hackathon**.
- To provide **soft-skills** training, as requested by the current job market, in terms of team work ability and effective communication.

Designed in collaboration with **academics and professionals**, this is a short and effective course based on **experiential learning and practical activities**.



#### Academic Tutors

guide all the labs after each lecture to ensure participants' learning



#### Industry Tutors

help the teams with their work to ensure the successful completion of projects

The programme is entirely built on case-studies **provided by our industry partners**.

### WEEK 1 - IoT Fundamentals and Enabling Technologies

### WEEK 2 - Artificial Intelligence Fundamentals

### WEEK 3 - Hackathon

**Integrated in the programme to complement the technical teachings**



**7 sessions** of Transferable Skills Training: communication and presentation skills, project management, leadership and teamworking skills;



**2 sessions** of Business Studies: Benchmarking and Business Modelling.



## PROGRAMME



### Industry Case-studies and Hackathon

From the first day participants work in teams to find innovative solutions to the following problems:

#### DXC

| Smart Digital Vessel: The integration between numerical and experimental reality

#### ENAV

| Digital Twin for Aviation Infrastructure Maintenance: Civil Aviation Surveillance Radar case

#### Heremos

| Digital Twin in eHealth: from wellbeing monitoring to predictive medicine



### Team Presentations and Jury Panel

The Bootcamp culminates in a **final "Pitch Day"** with presentations by each group in front of a jury panel of experts in innovation technologies.



### Gala Dinner & Award Ceremony

The jury will assign to the best team project the "Bootcamp 2022 Award".

## ENTRY REQUIREMENTS

### Who can participate?

Designed for undergraduate, graduate and post-graduate students, researchers and young professionals that want to have an **international experience** and **want to acquire IoT and AI skills** in a professional environment.

### What are the entry requirements?

- Courses are taught entirely in English. No language certificate is required, but we recommend an equivalent B2 level or higher.
- Participants must have basic computing skills and familiarity with any kind of programming language.

*A full-immersion experience  
learning by doing together.*