IoT & Data Science Bootcamp
19th August – 6th September 2019
Hughes Hall College
Cambridge, UK

Università Campus Bio-Medico di Roma
Organizer

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Hughes Hall College - Cambridge (UK)

About the Bootcamp

The Bootcamp is a an intensive **120-hour residential programme** designed in collaboration with professors and tutors of the **University of Cambridge** to provide an effective course based on **experiential learning** in a totally hands-on environment for all those who are interested in a career in IoT and data science.

The aim of the Bootcamp is threefold:

- To introduce participants to foundations of **IoT** and to the main tools and methods of **data science** through lectures, seminars, group work and hands-on tutorials.

- To provide practical experience using **industry case-studies** from our partner businesses through a week-long **hackathon** leading to **internships** for the best participants.

- To give **core-skills training** to develop communication and presentation skills, time and project management skills, collaboration, leadership skills and team-working.

The Bootcamp will culminate in a final presentation day when each group will present their work in front of a jury panel made up of representatives of our industry partners who will assign to the best team project the "**Bootcamp Award 2019**".

Programme

Week 1:   IoT and rapid prototyping
Week 2:   Data visualisation, machine learning and big data
Week 3:   Hackathon con industry real-life case-studies
Week 1,2 e 3:   Core-skills training

For a complete list of topics and course schedule please visit: http://www.unicampus.it/eng/bootcamp.
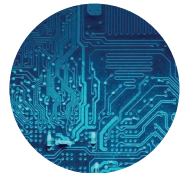
Eligibility and requirements

Who can participate in the Bootcamp?

Undergraduate and graduate students (over 18 years of age), newly graduates, professionals, early-stage practitioners in IoT and Data Science.

What are the entry requirements?

- Courses are taught entirely in English. While no language certificate is required, participants are expected to have enough command of the language to follow and benefit from the course. We recommend a B2 level or equivalent.

- Participants must have basic computing skills and familiarity with any kind of programming language.

- Participants are required to bring a laptop.

Location e Costs

The Bootcamp will be hosted by **Hughes Hall College**, one of the 31 prestigious Colleges of the **University of Cambridge** (UK). The college is centrally located and close to all amenities, shops, restaurants and other Colleges.

The Bootcamp is a residential camp: participants will live and study at Hughes Hall College for the duration of the camp in order to have a **full-immersion experience**.

There are a maximum of 35 places available.

The all-inclusive course fees are the following:

	Early registration (before 31.05.2019)	Standard registration (after 01.06.2019)
Students and newly graduates	€ 4,500	€ 4,750
Other participants	€ 4,750	€ 5,000

What is included in the Bootcamp?

- Welcome pack from Hughes Hall College upon arrival
- All courses, seminars and tutoring sessions
- Small group project work led by supervisors
- Networking with industry partners
- Hands on training
- All hardware materials for the labs and the hackathon
- Full board accommodation Monday though Friday (single en-suite room and three meals a day)
- Bed and breakfast accommodation on weekends
- Weekly housecleaning of rooms and linens
- Barbecue and drinks reception on arrival (18th August)
- Award ceremony and Formal Dinner (6th September)
- Hard copy certification at the end of the course

Faculty

Prof. Alexandre Kabla
University Lecturer in
Engineering Mechanics
and Materials Division
Fellow of Emmanuel College
University of Cambridge

Prof. Fulvio Forni
University Lecturer in
Engineering Control Group
College Lecturer
and Director of Studies
at Newnham College
University of Cambridge

Prof. Paolo Soda
University Lecturer in
Engineering
Unit of Computer Systems
and Bioinformatics
Department of Engineering
Campus Bio-Medico
University of Rome

Partners

For further information:
bootcamp@unicampus.it
http://www.unicampus.it/eng/bootcamp