

# BOOTCAMP 2026

## DECISION INTELLIGENCE: AI & HUMAN-IN-THE-LOOP



UCBM  
ACADEMY

Healthcare | Energy | Public Services



8<sup>TH</sup> Edition

24 AUGUST - 11 SEPTEMBER 2026

HOMERTON COLLEGE CAMBRIDGE (UK)

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[HTTPS://UCBMACADEMY.UNICAMPUS.IT/INTERNATIONAL/BOOTCAMP/](https://ucbmacademy.unicampus.it/international/bootcamp/)

# SCHEDULE

Bootcamp 2026 | DECISION INTELLIGENCE: AI & Human-in-the-loop - 8<sup>th</sup> Edition | 24 August - 11 September 2026\*

\* Participants are expected to arrive on 23/08 to attend the Welcome Drinks Reception and to depart on 12/09 after the Closing Session

| WEEK 1 |       |                                                                                                                                                                                                                     |                                                                                                                                                                                              |                                                                                                                                                                                                                   |                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                          |
|--------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Time   |       | Monday - 24 August<br>Homerton College - Skillcorn Room                                                                                                                                                             | Tuesday - 25 August<br>Homerton College - Skillcorn Room                                                                                                                                     | Wednesday - 26 August<br>UoC Dept of Engineering - Baker Building                                                                                                                                                 | Thursday - 27 August<br>UoC Dept of Engineering - Baker Building                                                                                                                                                             | Friday - 28 August<br>UoC Dept of Engineering - Baker Building                                                                                                                                                                                                                             | Saturday - 29 August<br>Anglia Ruskin University - Lord Ashcroft Building                                                                                                                                |
| 09:00  | 11:00 | <b>OPENING SESSION</b><br>Program Opening and Use Cases Presentations<br>                                                          | <b>LECTURE IoT1   Prof. Kabla</b><br>Introduction to IoT Sensor Systems<br>                               | <b>LECTURE IoT2   Prof. Kabla</b><br>Programming the microcontroller; Memory; Interrupt; Communication and design problems<br> | <b>LECTURE IoT3   Prof. Kabla</b><br>Collecting data from sensors; I2C BUS; temperature sensor; Other sensors for industrial projects<br> | <b>LECTURE IoT4   Prof. Kabla</b><br>Actuators; Heat generator: open and closed lopps to control heat production; Project of a controller; Introduction to control theory for systems with feedback<br> | <b>WORKSHOP   Prof. Raynolds</b><br>Behavioural and Managerial Science to Improve Decision Making Support Systems<br> |
| 11:00  | 11:30 | Break                                                                                                                                                                                                               |                                                                                                                                                                                              |                                                                                                                                                                                                                   |                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                          |
| 11:30  | 13:00 | <b>Opening Lecture</b><br>Engineering Decisions: designing resilient decision intelligence frameworks<br>                          | <b>LECTURE IoT1   Prof. Kabla</b><br>Environment Setup and Configuration<br>                              | <b>IoT LAB</b><br>                                                                                                             | <b>IoT LAB</b><br>                                                                                                                        | <b>IoT LAB</b><br>                                                                                                                                                                                      | <b>WORKSHOP   Prof. Raynolds</b><br>                                                                                  |
| 13:00  | 14:30 | Lunch                                                                                                                                                                                                               |                                                                                                                                                                                              |                                                                                                                                                                                                                   |                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                          |
| 14:30  | 17:00 | <b>TRANSFERABLE SKILLS TRAINING</b><br>Project Management<br>                                                                      | <b>WORKSHOP   Dr Peverini</b><br>The Journey of an Idea: from problem framing to solution development<br> | <b>IoT LAB</b><br>                                                                                                             | <b>IoT LAB</b><br>                                                                                                                        | <b>TRANSFERABLE SKILLS TRAINING</b><br>Effective Teams<br>                                                                                                                                              | <b>Teamwork</b><br>                                                                                                   |
| 17:00  | 17:30 | Break                                                                                                                                                                                                               |                                                                                                                                                                                              |                                                                                                                                                                                                                   |                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                          |
| 17:30  | 19:00 | <b>Teamwork</b><br>                                                                                                                | <b>Teamwork</b><br>                                                                                       | <b>Teamwork</b><br>                                                                                                            | <b>INDUSTRY PARTNER TUTORS</b><br>                                                                                                        | <b>Teamwork</b><br>                                                                                                                                                                                     | <b>Teamwork</b><br>                                                                                                   |
| WEEK 2 |       |                                                                                                                                                                                                                     |                                                                                                                                                                                              |                                                                                                                                                                                                                   |                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                          |
| Time   |       | Monday - 31 August<br>Anglia Ruskin University - Lord Ashcroft Building                                                                                                                                             | Tuesday - 1 September<br>UoC Dept of Computer Science and Technology                                                                                                                         | Wednesday - 2 September<br>UoC Dept of Computer Science and Technology                                                                                                                                            | Thursday - 3 September<br>Anglia Ruskin University - Lord Ashcroft Building                                                                                                                                                  | Friday - 4 September<br>Anglia Ruskin University - Lord Ashcroft Building                                                                                                                                                                                                                  | Saturday - 5 September<br>Anglia Ruskin University - Lord Ashcroft Building                                                                                                                              |
| 09:00  | 11:00 | <b>LECTURE AI1   Prof. Cordelli</b><br>Systems architecture and data pipeline: from sensors to data collection and processing<br> | <b>LECTURE AI3   Prof. Liò</b><br>Intro to Machine Learning, Deep Learning, CNNs<br>                     | <b>LECTURE AI4   Prof. Liò</b><br>GNNs, transformers and LLMs with Agentic AI<br>                                             | <b>LECTURE AI5   Prof. Saviozzi</b><br>AI Applications in Electrical Energy Systems<br>                                                  | <b>WORKSHOP   Dr Bruges</b><br>Project Scoping and Engineering Decisions for Real-World Embedded Intelligence<br>                                                                                      | <b>WORKSHOP   Dr Cenerini</b><br>Evaluating Solutions<br>                                                            |
| 11:00  | 11:30 | Break                                                                                                                                                                                                               |                                                                                                                                                                                              |                                                                                                                                                                                                                   |                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                          |
| 11:30  | 13:00 | <b>LECTURE AI2   Dr Danilo Pau</b><br>Perceptual AI: a guided journey with practical TinyML examples<br>                         | <b>LECTURE AI3   Prof. Liò</b><br>                                                                      | <b>LECTURE AI4   Prof. Liò</b><br>                                                                                           | <b>LECTURE AI6   Prof. Conte</b><br>Guiding principles and good practices for building a Decision Architecture<br>                      | <b>WORKSHOP   Dr Bruges</b><br>Practical Prototyping with Edge AI<br>                                                                                                                                 | <b>Teamwork</b><br>                                                                                                 |
| 13:00  | 14:30 | Lunch                                                                                                                                                                                                               |                                                                                                                                                                                              |                                                                                                                                                                                                                   |                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                          |
| 14:30  | 17:00 | <b>AI LAB</b><br>AI Fundamentals: Classification and Clustering echniques with Practical Tools and Coding                                                                                                           | <b>AI LAB</b><br>CNNs Applications and Data Analysis<br>                                                | <b>AI LAB</b><br>Prompt engineering: Enhancing Problem Solving through owerful tools including LLMs                                                                                                               | <b>WORKSHOP   IBM</b><br>User-centric Design and Innovation<br>                                                                         | <b>TRANSFERABLE SKILLS TRAINING</b><br>Effective Teams<br>                                                                                                                                            | <b>Teamwork</b><br>                                                                                                 |
| 17:00  | 17:30 | Break                                                                                                                                                                                                               |                                                                                                                                                                                              |                                                                                                                                                                                                                   |                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                          |
| 17:30  | 19:00 | <b>Teamwork</b><br>                                                                                                              | <b>Teamwork</b><br>                                                                                     | <b>Teamwork</b><br>                                                                                                          | <b>INDUSTRY PARTNER TUTORS</b><br>                                                                                                      | <b>Teamwork</b><br>                                                                                                                                                                                   |                                                                                                                                                                                                          |
| WEEK 3 |       |                                                                                                                                                                                                                     |                                                                                                                                                                                              |                                                                                                                                                                                                                   |                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                          |
| Time   |       | Monday - 7 September<br>Anglia Ruskin University - Lord Ashcroft Building                                                                                                                                           | Tuesday - 8 September<br>Anglia Ruskin University - Lord Ashcroft Building                                                                                                                   | Wednesday - 9 September<br>Homerton College - Skillcorn Room                                                                                                                                                      | Thursday - 10 September<br>Homerton College - Skillcorn Room                                                                                                                                                                 | Friday - 11 September<br>Homerton College - Fellows' Auditorium                                                                                                                                                                                                                            | Saturday - 12 September<br>Homerton College                                                                                                                                                              |
| 09:00  | 11:00 | <b>WORKSHOP   Prof. Partac</b><br>Business Model Canvas<br>                                                                      | <b>TRANSFERABLE SKILLS TRAINING</b><br>Presentation Skills<br>                                          | <b>TRANSFERABLE SKILLS TRAINING</b><br>Presentation rehearsals and feedback<br>                                              | <b>LECTURE AI7   Dr Bressi</b><br>AI for Cardiac Care Management<br>                                                                    | <b>Teamwork</b><br>                                                                                                                                                                                   | <b>11:00-13:00</b><br><b>CLOSING SESSION</b><br>Shaping Tomorrow Together: Alumni Insights for Future Leaders                                                                                            |
| 11:00  | 11:30 | Break                                                                                                                                                                                                               |                                                                                                                                                                                              |                                                                                                                                                                                                                   |                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                          |
| 11:30  | 13:00 | <b>WORKSHOP   Prof. Partac</b><br>                                                                                               | <b>TRANSFERABLE SKILLS TRAINING</b><br>Presentation Skills<br>                                          | <b>TRANSFERABLE SKILLS TRAINING</b><br>Presentation rehearsals and feedback<br>                                              | <b>Teamwork</b><br>                                                                                                                     | <b>Teamwork</b><br>                                                                                                                                                                                   |                                                                                                                                                                                                          |
| 13:00  | 14:30 | Lunch                                                                                                                                                                                                               |                                                                                                                                                                                              |                                                                                                                                                                                                                   |                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                          |
| 14:30  | 17:00 | <b>Teamwork</b><br>                                                                                                              | <b>Teamwork</b><br>                                                                                     | <b>Teamwork</b><br>                                                                                                          | <b>Teamwork</b><br>                                                                                                                     | <b>PITCH DAY &amp; JURY PANNEL</b><br>                                                                                                                                                                |                                                                                                                                                                                                          |
| 17:00  | 17:30 | Break                                                                                                                                                                                                               |                                                                                                                                                                                              |                                                                                                                                                                                                                   |                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                          |
| 17:30  | 19:00 | <b>Consulting Session with Subject Expert</b><br>                                                                                | <b>Consulting Session with Subject Expert</b><br>                                                       | <b>Consulting Session with Subject Expert</b><br>                                                                            | <b>INDUSTRY PARTNER TUTORS</b><br>                                                                                                      |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                          |
|        | 19:00 |                                                                                                                                                                                                                     |                                                                                                                                                                                              |                                                                                                                                                                                                                   |                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                            | <b>GALA DINNER &amp; AWARD CEREMONY</b><br>at Queen's College                                                                                                                                            |