

THE ENGINEERING INNOVATION CENTRE

ENGINEERING ACADEMY

CPD & VOCATIONAL TRAINING PROGRAMMES

October - November 2018 & April - May 2019

School of Engineering, University of Central Lancashire, Preston, PR1 2HE, UK.



uclan

University of Central Lancashire

— PRESTON —

Programme 3: Intelligent Machines

Date: October - November 2018 & April - May 2019

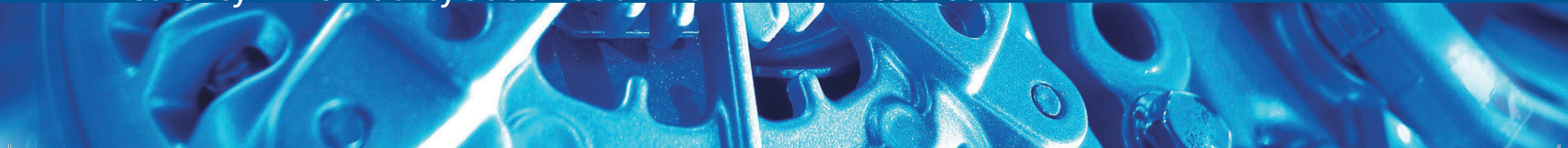
Fee: £1,000



The Engineering Academy CPD and Vocational Training Programmes focus on practical professional development to allow engineers to practice the topic area of each programme and develop their skills in the subject area. All programmes include lectures, tutorials, and an engineering project. This programme is a non-credit bearing activity.

For further information and booking enquiries:

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ENGINEERING ACADEMY PROGRAMME 3: INTELLIGENT MACHINES

DATE: OCTOBER - NOVEMBER 2018 & APRIL - MAY 2019

PROGRAMME AIMS:

This programme introduces mechatronics systems and intelligent machine elements, including different sensors, actuators, controllers, signal conditioning, and examples of software used in systems development. All attendees will be encouraged to join the Mechatronics Project Competition.

TOPICS COVERED:

- Introduction to Mechatronics Systems; Intelligent Machines
- Sensors and Transducers: Conventional and Robotics Sensors
- Controllers: Microprocessors, Microcontrollers, DAQ
- Examples of Software Used in Mechatronics Systems
- Development of Intelligent Machines and Smart Systems; Artificial Intelligence
- Actuators: Electrical, Hydraulic, Pneumatic
- Signal Conditioning: A/Ds, Amplifiers, Filters, WB, PM, Protection

FEE: £1,000 . Fee does not cover accommodation, visa, flights, insurance, food, and local travel.

