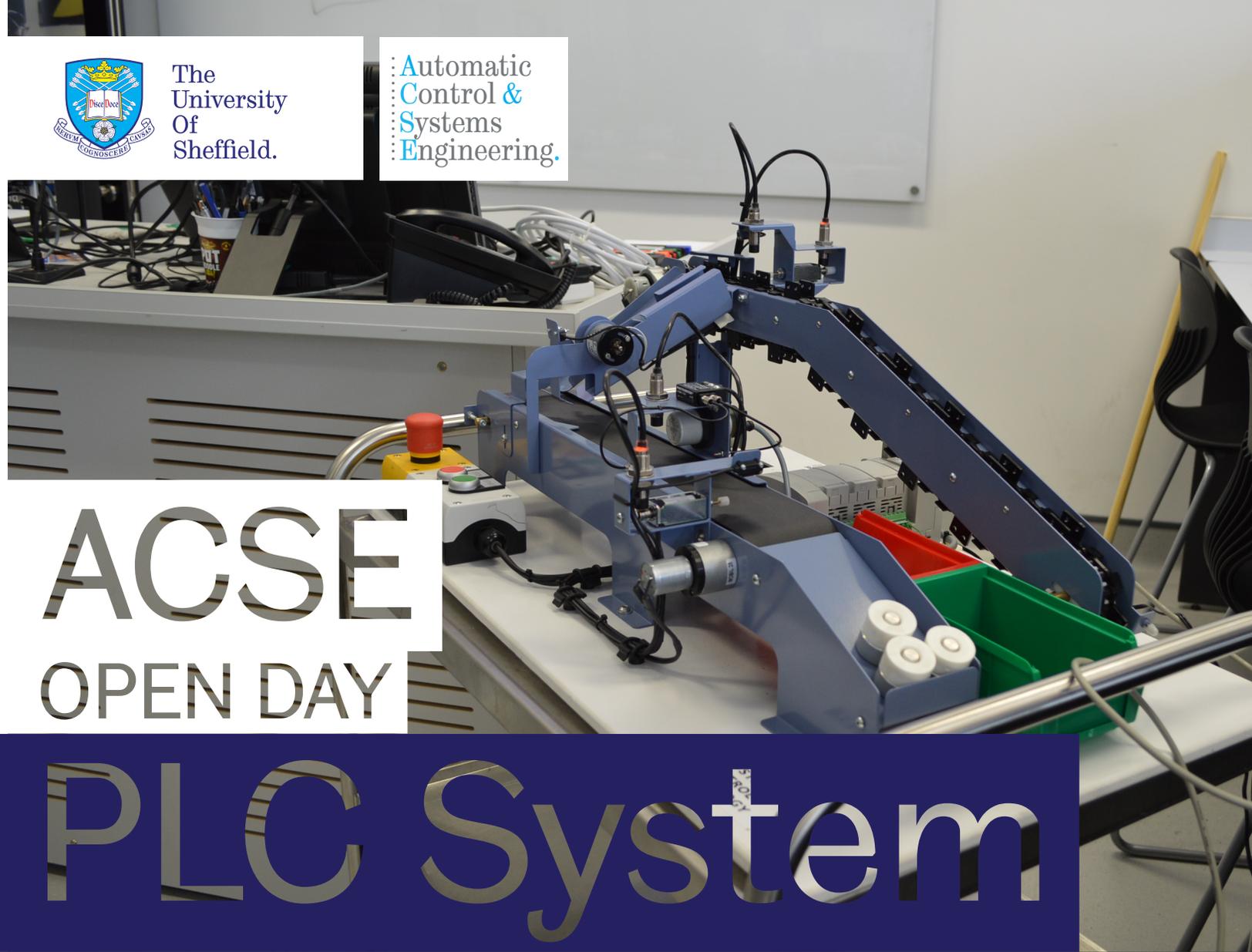




The
University
Of
Sheffield.

Automatic
Control &
Systems
Engineering.

A blue robotic arm is mounted on a white lab bench. It has a yellow emergency stop button and various cables connected to it. In the background, there are computer monitors and other lab equipment.

ACSE
OPEN DAY

PLC System

Programmable Logic Control (PLC) systems are widely used in manufacturing processes, using a variety of sensors, rigs and actuators to fulfil their tasks. Most of the products we use in daily life will have been manufactured in a factory controlled by PLCs.

In the Diamond electronics labs, students use these systems to get real life experience of the manufacturing process and the programming they use. During the first year of Systems and Control Engineering, students learn the basics of programming. In the second year, students go on to programme the entire system to complete the whole manufacturing process.

Rebecca Jaggon, a MEng Systems and Control Engineering student, said:

“PLC programming is a great lab task because it allows you to use knowledge from a variety of lectures in a real world manufacturing example using industry level equipment.”