

Innovation and Skills Day



As part of our service, we provide in-house lunch & learns suited to your needs.

Our tailor-made lunches are designed to provide you with a good level of understanding on the latest sensing and positioning technologies. Increasing process and application productivity to be the next sensing expert.

With our hands-on training you get the opportunity to choose the topics you would like to be covered.

We want to inspire you to develop ideas, paving the way for future-proof communication structures; infusing your knowledge, and our application know-how to shape a smarter future together.

Join us and unlock your potential.

Topics Covered

Please tick the topic you would like on the training agenda.

- | | | | |
|--|--|--|---|
| <input type="checkbox"/> Ultrasonic Sensor | <input type="checkbox"/> Photoelectric Sensors | <input type="checkbox"/> Inductive Sensors | <input type="checkbox"/> Capacitive Sensors |
| <input type="checkbox"/> Magnetic Sensor | <input type="checkbox"/> Identification | <input type="checkbox"/> Positioning | <input type="checkbox"/> AS-I Safety |
| <input type="checkbox"/> IO-Link | <input type="checkbox"/> Advanced AS-I* | | |

* Subject to charges

Contact Details

Name

Telephone No.

Company Name

Job Title

E-mail Address

For more information or to register your interest please contact:

Tricia Fleming

01616226261

tfleming@qb.pepperl-fuchs.com

Topics

A Walk through Sensing

- Inductive Sensors
- Photoelectric Sensors
- Ultrasonic Sensors
- Magnetic Sensors
- Capacitive Sensors

AS-Interface

- The Actuator Sensor Interface – some facts and figures.
- AS-I and other networks
- Components – Gateways, Power supplies and I/O Modules
- Building a network.
- Maintaining a network
- AS-I Specialist Modules.
- AS-I Software
- AS-I Safe

Positioning

Positioning Solutions

Exploring Neoeption

Identification

Radio Frequency Identification

- What is RFID
- Review of RF basics
- RFID history
- RFID base system architecture,
- Frequency bands used by RFID,
- Pros and Cons of RFID vs BCR

Hardware

- Tags, readers. Controllers

Hands-on Workshop

Hands on with the RFID equipment
RFID readers, fixed and handheld, Controllers.

RFID System Integration

Connection options to PLC/ PC etc

RFID Applications

Supply chain, asset tracking, theft reduction, retail, access control, tolls.

IO Link

Intro to IO-Link

IO-Link Range

Using IO-Link Software Tool

SmartBridge

IO-Link Master + PLC

Testimonials

“The content of the course was excellent and I learnt a lot”

“Practical exercises were very interesting”

“Good style of varying techniques using hands on and visual”

“I feel more confident using As-I”