

Digital Construction on a Shoestring

One-day workshop:
Low-cost automation for SMEs

26 February 2020
Churchill College, Cambridge, UK

About this event

Digital Construction on a Shoestring is an approach to increasing the digital capabilities of companies in the construction sector by deploying low-cost solutions one at a time.

Featuring interactive discussion and demonstrations, the event will showcase the Shoestring approach, which aims to rapidly accelerate digital use by reducing both the cost and complexity of solutions using off-the-shelf technologies and open source software.

The workshop is aimed at:

- Manufacturing SMEs, trade associations and networks
- Low-cost solution providers
- Regional business councils
- Manufacturing systems research groups

What will I get out of this event?

- Identify low-cost digital options suitable for on-site and off-site construction
- Opportunities for involvement in the proposed Digital Construction on a Shoestring project
- See how off-the-shelf technologies can be used in low-cost solutions

Agenda

- 10:00 Welcome and introductions
- 10:15 The Shoestring Project
- 11:15 Mini workshop: Capturing low-cost digital solution priorities
- 12:15 Lunch and networking
- 13:00 Shoestring demonstrators
- 13:45 Discussion: Getting involved
- 14:00 Close

About Professor McFarlane

Professor McFarlane has been involved in the design and operation of industrial automation and information systems for twenty five years. His research work has been in distributed, intelligent industrial automation, reconfigurable control systems, resilient control, RFID integration, track and trace systems, IoT and valuing industrial information. Most recently he has become PI on the new Digital Manufacturing on a Shoestring programme which is seeking to use off the shelf commercial digital technologies to provide low cost digital solutions for SME manufacturers.

This event is organised by the [UK Research and Innovation](#) through the Industrial Strategy Challenge Fund. The Hub brings together world-class expertise from the Manufacturing Technology Centre, BRE and the Centre for Digital Built Britain to transform the UK construction industry.