

International workshop on advances in 3D concrete printing and construction automation

12:30 – 17:00 16th May 2019

Room: RT 0.25, Sir Frank Gibb Building, Loughborough University, UK

For half a day, ten speakers from five countries will present updates from from the recently announced industrial strategy Core Innovation Hub and Research Leaders initiatives in the UK and present the latest large scale 3DCP case studies from across Europe.



Speakers:

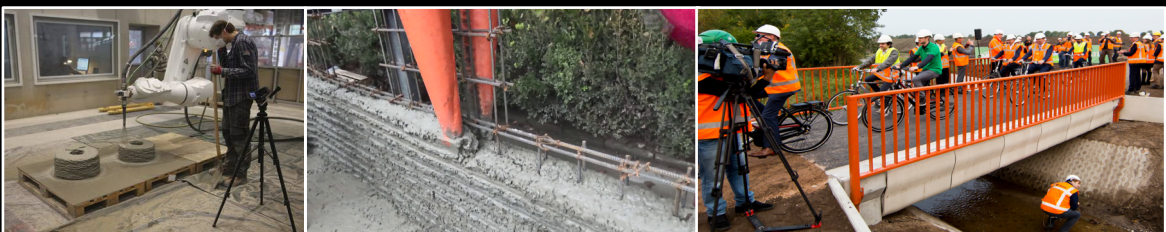
Jeremy Hadall (MTC): Construction Automation at the Manufacturing Technology Centre (UK)
Robert Stuart-Smith (UCL): Multi-Robot Construction and Agent Based Fabrication (UK)
Paul Shepard (Cambridge) and John Orr (Bath): Automating Concrete Construction (ACORN) (UK)
Will Cudworth (Tarmac): 3D Concrete Printing in industry: experiences and lessons from the CAMBER project (UK)

Coffee and networking

Viktor Mechtcherine (Dresden): Extrusion for creating walls: the Tshinghua process (China) and CONPrint3D by TU Dresden (Germany)
Harald Kloft (Braunschweig): Shotcrete 3D Printing (SC3DP) (Germany)
Wilson Ricardo Leal da Silva (DTI): 3D Concrete Printing of curved columns with a binary blended cementitious matrix (Denmark)
Tim Wangler (ETHz) : Smart Dynamic Casting (Switzerland)
Freek Bos (TU/e): Building the bridge: full scale manufacture and assembly using 3DCP (Netherlands)
Richard Buswell (Loughborough): Output from 276-DFC – Discussion on classification of large scale 3DCP processes

Coffee and networking

Optional lab tour including our twin robot manufacturing cell



The event is free to attend, tea and coffee provided – please register your interest with Dr. Richard Buswell: r.a.buswell@lboro.ac.uk

Organised in conjunction with: ISCF - Transforming Construction initiative and RILEM technical committee for digital fabrication with cement-based materials. Funded through: EPSRC Grant number EP/S031405/1