

Digital Technologies in Ceramic Manufacturing

Wednesday 5th April 2017 at Lucideon, Stoke-on-Trent, ST4 7LQ

<i>Time</i>	<i>Detail</i>	<i>Speaker</i>
10:00	Arrivals / refreshments	
10:30	Attendee introductions (one per organisation)	
11:10	The Benefits and Barriers of Digital Technologies	Tony Cotton / Jack Holmes Johnson Tiles
11:30	Keynote speech: Digital Printing Ceramics: 2D and 3D Opportunities	Professor Brian Derby Professor of Materials Science, University of Manchester
11:50	Refreshments / break	
12:10	From Pokemon Go to Pottery ... Bridging Real World Ceramics and the Digital Space through Augmented Reality	Andrew Jackson , Director Ooh-AR Augmented Reality Solutions
12:30	Modelling of the Plasma Spraying of Zirconia-based Thermal Barrier Coatings and of the Deposition of Ceramic Particulate within Gas Turbines	Professor Bill Clyne Professor of Mechanics of Materials, University of Cambridge
12:50	Knowledge Share in Digital Manufacturing Approaches from Other Sectors	Dr. Robert Quarshie Head of Materials & Nanotechnology, Knowledge Transfer Network
13:10	Lunch	
14:10	Lithographic Additive Manufacturing of Silicon Nitride Ceramics	Ben Melrose Development Engineer, International Syalons (Newcastle) Ltd
14:30	Insight to the 'InTouch' Process Monitoring System from a Company Point of View	David Fox / Mark Johnson Forterra Building Products
14:50	Ceramic Additive Manufacturing – an Update on the MTC's Activities	Robert Bowerman Advanced Research Engineer, Manufacturing Technology Centre
15:10	Refreshments / break	
15:30	Frank Scott Russell Memorial Lecture: FEA as a Tool for the Design and Failure Analysis of Refractory Structures. Can Computational Modelling Replace Experience?	Jan Theron Refractory Specialist, Lucideon Ltd
15:50	The Future of Construction Product Manufacturing	Paul Surin Head of Built Environment, Wienerberger
16:10	Closing remarks	-
16:15	Close of proceedings	

A number of posters will also be on display at the event, including from:

Grant Thornton UK LLP Applied Materials Research, Innovation & Commercialisation Company (AMRICC)
Lucideon International Syalons University of the West of England Imperial College London

This event is supported by the Frank Scott Russell Memorial Lecture Fund