

## CONSTRUCTION ENGINEERING MASTERS DISSERTATION CONFERENCE

Friday 3 July 2015

Umney Theatre, Robinson College

### 09:00 09:30 ARRIVALS AND REFRESHMENTS

- 09:30 09:45 Welcome by Professor Campbell Middleton  
Laing O'Rourke Professor of Construction Engineering
- 09:45 10:00 Nicholas Cooke, Laing O'Rourke - *Does the UK construction industry need to develop a 10-year plan for the future of temporary works?*
- 10:05 10:20 Eamonn Dolan, Laing O'Rourke - *The public perceptions of hydraulic fracturing in County Leitrim.*
- 10:25 10:40 Philip Muff, Laing O'Rourke - *Magnesium oxide as a solution to aesthetical cracks in precast concrete.*
- 10:45 11:00 Thomas Mullens, Laing O'Rourke - *Improving precast concrete installation productivity - Incentivising the workforce.*

### 11:00 11:20 COFFEE & TEA BREAK

- 11:20 11:35 Martin Pike, Laing O'Rourke - *Safety implications of construction using OSM products - A study of operative risk perception and behaviour.*
- 11:40 11:55 Corin Walford, Laing O'Rourke - *Use of large Design for Manufacture and Assembly concrete components in nuclear construction.*
- 12:00 12:15 Karl Wilkinson, Laing O'Rourke - *The concept of health and safety at the outset of a construction development. Can intervention at the concept stage prevent health and safety incidents and what consideration is it given?*

### 12:30 13:30 LUNCH - GARDEN RESTAURANT

- 13:35 13:50 Matthew Wilkinson, Laing O'Rourke - *Eyes in the top of your head? (Measuring the risk & impact of glass falling from a building due to spontaneous breakage).*
- 13:55 14:10 Martin Edwards, Shepherd Construction - *Onsite design: Can the UK improve communication between design and construction teams?*
- 14:15 14:30 James O'Brien, Atkins - *A post games review of health and safety knowledge transfer from the London 2012 Olympics.*
- 14:35 14:50 Jonathan Phillips, Turner & Townsend - *Estimating construction projects: A complex adaptive systems perspective.*

### 14:50 15:10 COFFEE & TEA BREAK

- 15:15 15:30 Rico Salas, Chevron - *Leading indicators of oil and gas construction safety.*
- 15:35 15:50 Daniel Shaw, Crown Office Chambers - *What causes construction litigation?*
- 15:55 16:10 David Walters, Argent LLP - *Building performance and big data - A triangulated approach to continuous improvement in operation.*
- 16:15 Closing remarks by Professor Middleton

### 16:30 END OF CONFERENCE