



Keynote Speaker

Lauri Koskela

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Dr. Lauri Koskela is Professor of Construction and Project Management at the University of Huddersfield. Previously he worked at the University of Salford as Professor of Lean Theory Based Project and Production Management. Prior to that he was involved in applied research at VTT Technical Research Centre of Finland. Since 1991, Lauri has been involved in research on lean construction. His research has focused especially on the theories of production management as well as design management, underlying lean construction. Lauri is a founding and continuously active member of the International Group for Lean Construction. He has been Director, Trustee and Company Secretary at Lean Construction Institute – UK.

Keynote Presentation Title: The continuous evolution of Lean Construction – what next?

Abstract: The presentation first gives an overview on the evolution of Lean Construction hitherto and analyses the drivers for new achievements as well as difficulties encountered. Among the drivers, especially the Toyota Production System, problematic characteristics of construction, digitalisation, and sustainability accentuate; in those characteristics, one-off products, site production and temporary project organisation are especially commented.

The second part of the presentation addresses new practical developments in Lean Construction, occurring currently and in near future. The Toyota Production System continues to evolve, and the newest methods deserve to be adopted in construction. First experiences regarding the new quality method of Ji Koutei Kanketsu (JKK) are discussed. Takt production, as a way to overcome problems usually seen in site production and temporary project organisations, is analysed. The opportunities for mutual support between lean and the digital are illustrated through the cases of Building Information Modelling (BIM) and Digital Whiteboards. Finally, moving to the area of sustainability, the role of lean in circular construction is covered.

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