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Subject: Guest lecture invitation
Date: October 23, 2009 3:40:48 PM GMT+02:00
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1 Attachment, 92.8 KB



Til orientering

Hilsen
Per

Aalborg University
Department of Civil Engineering



October 22, 2009

Guest lecture by Professor Dr. Rafael Sacks
Faculty of Civil and Environmental Engineering
Technion – Israel Institute of Technology,
Haifa, Israel

'KanBIM' and the Interaction of Lean and Building Information Modeling in Construction

Friday November 06, 09:00 - 10:00.
Room F-108, Sohngaardsholmsvej 57
Aalborg University

Lean construction and Building Information Modeling are quite different initiatives, but both are having profound impacts on the construction industry. A rigorous analysis of the myriad specific interactions between them indicates that a synergy exists which, if properly understood in theoretical terms, can be exploited to improve construction processes beyond the degree to which it might be improved by application of either of these paradigms independently. Using a matrix that juxtaposes BIM functionalities with prescriptive lean construction principles, fifty-five interactions have been identified, all but four of which represent constructive interaction. Although evidence for the majority of these has been found, the matrix is not considered complete, but rather a framework for research to explore the degree of validity of the interactions.

Dr. Sacks will discuss these interactions, presenting them within the context of lean construction and BIM research at the Technion concerning the flow of work teams and their motivations, patterns of work flow in tall building construction and the use of BIM to visualize work flow. A review of ongoing research and development of the 'KanBIM' system will highlight some of the principles that can be learned from the interaction matrix to help guide future construction production management tools based on BIM systems.

You are all very welcome

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