



## **8th International Workshop “When social science meets lean and BIM”**

**2nd and 3rd of April 2020, Fortaleza, Brazil**

First announcement

### **Introduction**

The aim of the Workshop “When Social Science meets Lean and BIM” is to discuss ongoing research that explores the synergies between Lean and BIM, incorporating social science and humanistic perspectives. Lean is a production philosophy originated in the automobile industry that has been adapted with success in construction across different countries. It provides concepts which are fundamentally different from traditional project management, emphasising the need to eliminate waste and improve value generation. Building Information Modelling (BIM) can be described as a set of tools, processes, and technologies that are facilitated by digital machine-readable documentation about a building. BIM has enabled efficient exchange of information and created opportunities for changes in the roles and relationships among project team members. However, the emphasis on research has mostly on technical issues, even though the results of the implementation of both Lean and BIM depend as much upon business environment and social phenomena. Thus, there is a need to bring social science and humanistic perspectives to the research related to these two approaches.

The Workshop is jointly organised by the Centre of Technology of the Federal University of Ceará (UFC) in Brazil, the Building Innovation Research Unit (NORIE) of the Federal University of Rio Grande do Sul (UFRGS) in Brazil, and the School of Art, Design and Architecture’s Innovative Design Lab of the University of Huddersfield, UK.

### **Previous events**

The first workshop was held at the University of Salford (UK), in 2013. This event has been subsequently delivered by the University of Helsinki (Finland) in 2014, University of Liverpool (UK) in 2015, University of Huddersfield (UK) in 2016, University College Northern Denmark in 2017, University of Huddersfield and École de Technologie Supérieure (Canada) in 2018, and Università degli Studi di Firenze (Italy) in 2019.

### **Venue:**

The 8th International Workshop “When social science meets lean and BIM” will be held outside Europe for the first time. The venue is Fortaleza, one of the largest cities in Brazil, located in the North-eastern Region. Fortaleza is well known for its nice weather (temperatures ranging from 23-31° C) and sunny skies, and also for some innovative construction companies that are leaders in the implementation of Lean Construction in South America. The Workshop will be held at the [Sonata de Iracema](#) Hotel, in Fortaleza. Special prices for workshop participants will be made available soon.

## Description of the event

The Workshop consists of presentations by invited keynote speakers, as well as by senior researchers and representatives of industry, and short presentations by postgraduate students. Each block of presentations will be followed by a discussion slot.

A site visit to C. Rolim Engenharia, one of the leading companies in the implementation of Lean Construction in Brazil, will be organized for workshop participants. Translation from Portuguese into English will be provided when necessary.

In the same week of the conference, on the 1<sup>st</sup> of April, the 9<sup>th</sup> International Seminar of Lean Construction (CONENX) will be held. The aim of this seminar is to disseminate successful cases of implementation of Lean Construction and BIM, presented by both Brazilian and international speakers. This is a traditional event in the Northeast of Brazil, that have the participation of both academics and industrialists. Participants of the workshop are encouraged to participate of the CONENX Seminar to get an idea of the most recent advances in the implementation of Lean and BIM in Brazil. Simultaneous translation (English-Portuguese and Portuguese-English) will be provided.

Information about the registration for the Workshop and 9<sup>th</sup> CONENX will be made available soon. For further information about the event, please contact [lean-bim@ufrgs.br](mailto:lean-bim@ufrgs.br).

## Preliminary Program

Date	Activity	Time
1 <sup>st</sup> Apr 2020	Visit to C. Rolim Engenharia	08:30 - 11:30 a.m.
1 <sup>st</sup> Apr 2020	9 <sup>th</sup> CONENX – International Seminar on Lean Construction	02:00 - 06:30 p.m.
2 <sup>nd</sup> Apr 2020	Workshop Social Science meets Lean and BIM – Day 1	08:30 - 12:00 a.m. 01:30 - 05:00 p.m.
3 <sup>rd</sup> Apr 2020	Workshop Social Science meets Lean and BIM – Day 1	08:30 - 12:00 a.m. 01:30 - 05:00 p.m.

## Technical chairs

- Prof. José Barros Neto, Federal University of Ceará (Brazil)
- Prof. Carlos Formoso, Federal University of Rio Grande do Sul (Brazil)
- Prof. Patrícia Tzortzopoulos, University of Huddersfield (UK)

## Advisory board

- Prof. Arto Kiviniemi, University of Liverpool (UK)
- Prof. Daniel Forgues, Université de Montreal (Canada)
- Prof. Farook Hamzeh, University of Alberta (Canada)
- Prof. Fernanda L. Leite, University of Texas, Austin (USA)
- Prof. Hanelle Kerosuo, University of Helsinki (Finland)
- Prof. Lauri Koskela, University of Huddersfield (UK)
- Prof. Maria Antonietta Esposito, Università degli Studi di Firenze (Italy)
- Prof. Rafael Sacks, Technion (Israel)
- Prof. Regina C. Ruschel, Universidade Estadual de Campinas (Brazil)
- Prof. Thaís C. L. Alves, San Diego State University (USA)

**Abstract submission**

Only extended abstracts need to be submitted by authors that would like to present their work at the Workshop. Two-page abstracts should be submitted by the 15th of January 2020 to the following email address: [lean-bim@ufrgs.br](mailto:lean-bim@ufrgs.br).

Two special editions of International Journals on related topics will be released soon, so authors are encouraged to present and discuss their research at this event and submit full papers to those special issues.