

IGLC15 Conference Program (at a glance)

Date (2007)	Events
Wednesday 18 th July	<p>06:45 –07:55 Breakfast and Registration 08:00 –08:10 Opening 08:10 –09:40 Keynote Address – Mr. Norman Bodek 09:40 –10:10 BREAK 10:10 –10:20 “Construction Users Roundtable” 10:20 –12:00 Session 1: Theory 12:00 –13:00 LUNCH 13:00 –15:00 Session 2: Implementation and Strategy 15:00 –15:30 BREAK 15:30 –17:00 Session 3: Supply Chain Management</p>
Thursday 19 th July	<p>06:45 –07:55 Breakfast and Registration 08:00 –10:00 Session 4: Product Development & Design Management 10:00 –10:30 BREAK 10:30 –11:30 Session 5: Poster Session 11:30 –12:30 LUNCH 12:30 –14:30 Session 6: Safety, Quality, and Environments 14:30 –15:00 BREAK 15:00 –17:00 Session 7: Production System Design 18:00 –19:00 Reception (Cash Bar) 19:00 –22:00 IGLC15 Dinner</p>
Friday 20 th July	<p>06:45 –07:55 Breakfast 08:00 –09:45 Session 8: People, Culture and Change 09:45 –10:00 BREAK 10:00 –12:00 Session 9: Production Planning and Control 12:00 –13:00 LUNCH 13:00 –14:00 Session 10: IT and Commercial and Cost Management 14:00 –14:30 BREAK 14:30 –16:30 Session 11: IGLC Business Meeting</p>

IGLC15 Program (Detailed)	
Day 1: 18 July 2007	
Time	Topic
06:45 – 07:55	Breakfast and Registration
08:00 -08:10	Opening – Dean Jeffrey Armstrong, Dr. Robert von Bernuth, and Dr. Tariq Abdelhamid – SPDC/MSU
08:10 - 09:40	Keynote Address – Mr. Norman Bodek
09:40 - 10:10	BREAK
10:10 – 10:20	Construction Users Roundtable
10:20 – 12:00	Session 1 – Theory
	The TFV theory of production: new developments <i>Lauri Koskela, John Rooke, Sven Bertelsen, Guilherme Henrich</i> (page 2)
	Construction Physics <i>Sven Bertelsen, Guilherme Henrich, Lauri Koskela, John Rooke</i> (page 13)
	Centered Flows: A Lean Approach To Decision Making And Organization <i>John Rooke, Lauri Koskela, Sven Bertelsen, Guilherme Henrich</i> (page 27)
	The Method Of Analysis In Production Management <i>Ricardo Condinhoto, Lauri Koskela, Patricia Tzortzopoulos, and Michael Kagioglou</i> (page 37)
	Towards a New Understanding of the Construction Industry and the Nature of its Production <i>Sven Bertelsen and Rafael Sacks</i> (page 46)
	Interface Management—A Facilitator of lean Construction and agile Project Management <i>Qian Chen, George Reichard, and Yvan Beliveau</i> (page 57)
12:00 – 13:00	LUNCH
13:00 – 15:00	Session 2 – Implementation and Performance Measurement
	Strategic Issues in Lean Construction Implementation <i>José de P. Barros Neto and Thaís da C. L. Alves</i> (page 78)
	Implementing lean on Capital projects <i>Glenn Ballard, Yong-Woo Kim</i> (page 88)
	Investigating the Relationship between Planning Reliability and Project Performance: A Case Study <i>Vicente González, Luis F. Alarcón, Fernando Mundaca</i> (page 98)
	Managing Variability In House Production <i>Haitao Yu, Tarry Tweed, Mohamed Al-Hussein and Reza Nasseri</i> (page 109)
	Lean Construction Trial on a Highways Maintenance Project <i>Mary Ansell, Mike Holmes, Rees Evans, Christine Pasquire and Andrew Price</i> (page 119)
	Lean Production System To Enhance Performance In Operations: An Empirical Study Of Malaysian Construction Industry <i>Ghaffar Imtiaz, Abdul Razak Ibrahim</i> (page 147)
15:00 – 15:30	BREAK
15:30 - 17:00	Session 3 – Supply Chain Management
	Integrating Strategic PROJECT Supply Chain Members In Production Planning And Control <i>Marcus P. Sterzi, Eduardo L. Isatto, and Carlos T. Formoso</i> (page 159)
	Construction Supply Chain Maturity Model – Conceptual Framework <i>Kalyan Vaidyanathan and Gregory Howell</i> (page 170)
	Logistics Centers to Support Project-based Production in the Construction Industry <i>Farook R. Hamzeh, Iris D. Tommelein, Glenn Ballard, and Philip M. Kaminsky</i> (page 181)
	Lean LogisTics: Helping To Create Value By Bringing People, Information, Plant, Equipment And Materials Together At The Workface <i>Alan Mossman</i> (page 198)

IGLC15	
Day 2: 19 July 2007	
Time	Topic
06:45 – 07:55	Breakfast and Registration
08:00 - 10:00	Session 4 – Product Development and Design Management
	Exploration of Set-Based Design for Reinforced Concrete Structures <i>Kristen Parrish, John-Michael Wong, Iris D. Tommelein, and Bozidar Stojadinovic</i> (page 213)
	Integrated Steel Design: Applying Lean Concepts <i>C. Ben Farrow</i> (page 223)
	Tolerance Considerations in Work-Structuring <i>Colin Milberg</i> (page 233)
	Industrialization in Swedish Bridge Engineering: A Case Study of Lean Construction <i>Peter Simonson and Mats Emborg</i> (page 244)
	Inclusion Of Lean Construction In Construction Education <i>Wilfred H. Roudebush</i> (page 254)
10:00 - 10:30	BREAK
10:30 – 11:30	Session 5 – Poster Session
	Measurement Of Waste And Productivity In Relation To Lean Thinking <i>Azam Forsberg and Lasse Saukkoriipi</i> (page 67)
	A Case Study On Rebar Supply Chain Management By GS E&C <i>Yong-Woo Kim, Chanjung Park, and Glenn Ballard</i> (page 129)
	A SubContractor's Lean Journey: A Case Study on Ilyang <i>Yong-Woo Kim, Jinwoo Jang, and Glenn Ballard</i> (page 135)
	Performance Indicators based on TFV Theory <i>Hyo-Gi Moom, Jung-ho Yu, Chang-duk Kim</i> (page 141)
	Green Building Rating and Delivery Systems in Building Construction: Relationship with AEC+P+F Integration <i>Karthik Ramkrishnan, Kathy Roper and Daniel Castro-Lacouture</i> (page 332)
	Importance of Partners in a Challenging Lean Journey <i>Jin Woo Jang, Yong Woo Kim, Chan Jeong Park, Woo Suk Jang</i> (page 465)
	Learning Lean through lean Game – a case from the infrastructure industry <i>Fredrik Friblick, Anna Åkesson and Anton Leigard</i> (page 475)
	Continuous Improvement Plan Of Business Process In Construction Company <i>Doo Hee Lee, Young Woong Song and Yoon Ki Choi</i> (page 590)
	<u>POSTER PRESENTATIONS ONLY</u>
Integrated Value-adding and Multi-agent System Decision Making Toolbox– A Viable Mechanism for Strategic Project Management in Design and Build Projects in Malaysia <i>Christy Gomez</i>	
Total Project Management System on applying Lean Construction <i>Sung Jin Kim, Chan Jeong Park, and Hyun-Koog Yoo</i>	
11:30 – 12:30	LUNCH

IGLC15	
Day 2: 19 July 2007 (continued)	
Time	Topic
12:30 – 14:30	Session 6 – Safety, Quality and Environment
	A Behavior-Based Safety Approach for Construction Projects <i>O. Salem, H. Lothlikar, A. Genaidy and T. Abdelhamid</i> (page 261)
	Evaluating The Effectiveness Of Safety Mgmt Practices And Strategies In Construction Projects <i>Carlos Razuri, Luis F. Alarcón, and Sven Diethelm</i> (page 271)
	Safety As An Emergent Property Of The Production System: How Lean Practices Reduce The Likelihood Of Accidents <i>Panagiotis Mitropoulos, Gerardo Cupido and Manoj Namboodiri</i> (page 282)
	Improved Temporary Construction Lighting As A Method Of Improving Productivity And Quality <i>Bruce W. Smith, CPC, and C. Ben Farrow</i> (page 294)
	Consequence of Industrialized Construction Methods on the Working Environment <i>Peter Simonsson and Romuald Rwamamara</i> (page302)
	Transparency, Process Mapping And Environmentally Sustainable Building Projects <i>Leidy Klotz and Michael Horman</i> (page 322)
14:30 – 15:00	BREAK
15:00 – 17:00	Session 7 – Production System Design
	Transforming Traditional Construction into a Modern Process of Assembly using Construction Physics <i>Peter Court, Christine Pasquire, Alistair Gibb, and David Bower</i> (page 345)
	Using Visual Interactive Simulation To Improve Decision-Making In Production System Design <i>Fabio K. Schramm and Carlos T. Formoso</i> (page 357)
	Modelling An Inventory Management In Construction Operations Involving On-Site Fabrication Of Raw Materials <i>Do Young Jung, Seung Heon Han, Keon Soon Im, and Chung Kyu Ryu</i> (page 367)
	Assessing the Effects of Structural Differences on Action, Reaction and Conformation in Construction Projects <i>Antonio N. de Miranda Filho, Jorge Moreira da Costa, and Luiz F. M. Heineck</i> (page 380)
	The Facility Ramifications of Implementing Lean in a Batch Manufacturing Plant <i>Brian C. Gutierrez, Susan M. Bogus</i> (page 391)
	Understanding Labor Productivity as an Emergent Property of Individual and Crew Interactions on a Construction Site <i>Matt Watkins, Amlan Mukherjee, Nilufer Onder and Kris G. Mattila</i> (page 400)
18:00 – 19:00	Reception (Cash Bar)
19:00– 22:00	IGLC15 Dinner

IGLC15	
Day 3: 20 July 2007	
Time	Topic
06:45 – 07:55	Breakfast and Registration
08:00 – 09:45	Session 8 – People, Culture and Change
	Implications of Action Theories to Lean Construction Applications <i>Bolivar Senior</i> (page 407)
	Another Approach to Transforming Project Delivery: Creating a Shared Mind <i>Kristin Hill, Christine Slivon, and John Draper</i> (page 417)
	Do Projects have Horsemen?: Investigating the warning signs of unreliable commitments <i>James Folkestad and Greg Howell</i> (page 423)
	Priority Conversations: A Case Study on Priority Walls <i>Samir O. Mikati, Timothy G. Roller, Iris D. Tommelein, and Atul Khanzode</i> (page 431)
	Exploiting Motivation in the Change Towards Automation in Construction Projects <i>Antonio N. de Miranda Filho, Jorge Moreira da Costa and Luiz F. M. Heineck</i> (page 442)
	Lean Construction Professional Profile (LCCP): Understanding The Competences Of A Lean Construction Professional <i>Ignacio Pavez and Luis Alarcon</i> (page 453)
09:45 - 10:00	BREAK
10:00 – 12:00	Session 9 – Production Planning and Control
	understanding flow and micro-variability in construction: Theory and practice <i>Irina Brodetskaia and Rafael Sacks</i> (page 488)
	Probabilistic Scheduling For Repetitive Projects <i>Photios G. Ioannou and Chachrist Srisuwanrat</i> (page 498)
	Medium-term Planning: Contributions Based on a Field Application <i>Sérgio L. Kemmer, Luiz Fernando M. Heineck, Marcos de V. Novaes, Carlos Alexandre M. A. Mourão, and Thaís da C. L. Alves</i> (page 509)
	Using The Kanban For Construction Production and Safety Control <i>Jin Woo Jang and Yong Woo Kim</i> (page 519)
	Use of Percent of Constraint Removal to Measure the Make-Ready Process <i>Jin Woo Jang, Yong Woo Kim</i> (page 529)
	Application Of The Principle Of Batch Size Reduction In Construction <i>Steve Ward and Andrew McElwee</i> (page 539)
Project-Based Knowledge Management System for Lean Construction <i>Changbum Ahn, Moonseo Park, Hyun-Soo Lee and Seungjun Roh</i> (page 549)	
12:00 – 13:00	LUNCH
13:00 – 14:00	Session 10 – IT SUPPORT FOR LEAN CONSTRUCTION
	Quantifying The Benefits Of Using E-Marketplace In Construction Companies <i>Ignacio Schonherr, Luis F. Alarcón, and Sergio Maturana</i> (page 560)
	Simulation-based analysis of disturbances in construction operations <i>Fritz Gehbauer, Gert Zülch, Michael Ott, and Mikko Börkircher</i> (page 571)
	The Investigation Of Lead-Time Buffering Under Uncertainty Using Simulation And Cost Optimization <i>Chachrist Srisuwanrat and Photios G. Ioannou</i> (page 580)
14:00 – 14:30	BREAK
14:30 - 16:30	Session 11 – IGLC Business Meeting