Welcome to IGLC29

Chairs: Dr Leonardo Rischmoller, Dr Danny Murguia
Technical Chairs: Assoc. Prof. Vicente A. Gonzalez, Prof. Luis F. Ramirez

Keynote 1: Trust, emotionality, relationships, and productivity - some reflections for the construction industry - Dr. Fernando Flores

10:45-11:45

Parallel Session 1

Chair: Prof. Carlos Formoso

SLACK IN CONSTRUCTION - PART 1: CORE CONCEPTS
Ferrari, Anne; Grimm, Niklas; Tommelein, Iris D.; Kessler, Stephan;
VARIETY IN VARIABILITY IN HEAVY CIVIL ENGINEERING
Lerche, Jon; Neve, Hasse; Gross, Allan; Wandahl, Soren

IMPROVING STREET RECONSTRUCTION PROJECTS IN CITY CENTERS THROUGH COLLABORATIVE PRACTICES
Seppänen, Olli; Lekke, Ralf; Lehtovaara, Joonas; Nyland: Prieto, Ants

PROJECT DELIVERY CONTRACT LANGUAGE, SCHEDULES, AND COLLABORATION
Alves, Thais; Martinez, Manuel; Liu, Min; Scala, Natalie

THE IMPACT OF BPA IN A TWO BASED PROJECT DELIVERY Mohri, Tobias; Conboy, Kallek, Bir Teije; Schmieder; Sandvik, Karl Oscar

Parallel Session 2

Chair: Dr. Cynthia Taas

DEVELOPMENT OF TARGET COST FOR A HIGH-PERFORMANCE BUILDING
Bonilla, Enrique; Conboy, Kallek, Ilja; Dos Santos, De Lima

EVALUATION OF LEAVE PRINCIPLES IN BUILDING MANAGEMENT
Dragojevic, Ivica; Domazet, Sena; Sysa, Nevena; Mazzanti, Giuseppe; Bertolini, Dario

PRODUCTIVITY MONITORING OF CONSTRUCTION ACTIVITIES USING DIGITAL TECHNOLOGIES: A LITERATURE REVIEW
Bardou, Andrea; de Silva, Costa; Cifzi, Diego; Bastien, Nathalie

COMPOSITION AND IMPACT OF REASONS FOR NONCOMPLIANCE IN CONSTRUCTION PROJECTS
Lueas, Ciaran; Cume, Alfonso; Cerezo, Luis Fernandez

ROAD CONSTRUCTION MASKING CONSTRUCTION: USING VISUALS FOR MODIFYING THE PERCEPTION
De La Torre, Ezequiel; Burgos, Daniel; de la Maza; Maritz, Kevin; Opheldt, Paul

13:15-14:15

Parallel Session 1

PRODUCTION PLANNING AND CONTROL 1
Chair: Assoc. Prof. Farook Hamzeh

ENGAGING INTERINDUSTRY VERTICAL LOGISTICS FLOWS IN HIGH-RISE CONSTRUCTION: AN EXPLORATORY STUDY
Alons, Michael; flowers, OL; Pile; Grosser, Matthew; Iozzoni, Joseph

LEAN CONSTRUCTION METHODS IMPACT ON CONSTRUCTION PROCESSES: A CASE STUDY OF TWO HIGH-RISE PROJECTS
Ward, Simon; Niven, Helen H; Leach, Jon

PROJECT DELIVERY: EXAMINING THE ELEMENTS OF LAST PLANNER® SYSTEM IN THE ORCHESTRA WHEEL METHOD
Cortes, Marleen; Sabaté; Luhudji, Kevin

LAST PLANNER® IMPLEMENTATION HEALTH CHECK: Mower, Wanett; Dennett; Welsh; Lynch, Patricia; Chateau, Chris

Parallel Session 2

Chair: Dr. Clarissa Bioto

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14:30-15:30

Parallel Session 1

PRODUCTION PLANNING AND CONTROL 2
Chair: Assoc. Prof. Farook Hamzeh

CAN LAST PLANNER® SYSTEM HELP TO OVERCOME THE NEGATIVE EFFECTS OF SEASONALITY?
Kurtenau, Berge; Krokstad, Lau; Tsingoulopoulos, Patricia; Hargreaves, Graham

LAST PLANNER® SYSTEM ON THE MINNEAPOLIS BRIDGE PROJECT
Dhari, Sepal; Young; Breiden; Lawe; Ola

APPLICATION OF THEORY IN LAST PLANNER® SYSTEM FOR WORK PLAN RELIABILITY
Sharma, Anjali Brahmanand; Trivedi, Jyoti Snehal

IMPLEMENTING VISUAL PROGRAMMING LANGUAGE SUPPORTING PROJECT CONSTRUCTIBILITY
Alves, Thais; Martinez, Manuel; Liu, Min; Scala, Natalie

REALITY CAPTURE CONNECTING PROJECT STAKEHOLDERS
Mohri, Tobias; Conboy, Kallek, Bir Teije; Schmieder; Sandvik, Karl Oscar

Parallel Session 2

Chair: Dr. Clarissa Bioto

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15:45-16:45

Parallel Session 1

PRODUCTION PLANNING AND CONTROL 4
Chair: Dr Mani Pushdar

PLANNING THE PARADE OF DELOS IN ITS TACT PRODUCTION
Dahleb, Torje; Voergaard; Devold; Finnge

IMPROVING NON-REPEAT TACT PRODUCTION WITH VIDEO ANALYSIS
Alten, Andrea; Box, Henri; Tiamovski, Joanne; Reindl, Ari; Seppänen, Olli

APPLICATION OF SCHEDULED AND OPERATIONS IN CONSTRUCTION
Lehto, Juha; Pihkala, Oli; Hansen; Giese; Alakarppi, Joonas

VARIETY IN VARIABILITY IN HEAVY CIVIL ENGINEERING
Anoja; Centola; Nielsen; Tommelein, Dr. O.; Akester; Stephen; Fother; Johannes

Parallel Session 2

Chair: Prof. Carlos Formoso

SLACK IN CONSTRUCTION - PART 2: PRACTICAL APPLICATIONS
Alten, Andrea; Box, Henri; Tiamovski, Joanne; Reindl, Ari; Seppänen, Olli

EXPLORING CONTROLLED EXPERIMENTAL SETTINGS FOR LEAN VISION INSIGHT RESEARCH
Stordalen, Arin; Torell; O'Sullivan; Michelle; Walker, Cameron; Abeln; Mohammad

LEAK CONSTRUCTION 4.0: EXPLORING THE CHALLENGES OF A STRATEGY IN THE AEC INDUSTRY
Ibarra, Fasun, Gonzalez, Varela A.; Alarcón, Luis Fernando; Khalife, Salam
Friday July 16, 2021

8:00-09:00 Lima Time
Keynote 2: Integrating Industry 4.0 into Lean
Chair: Prof. Guillerma Luc Torres

09:15-10:15 Lima Time
PLENARY SESSION 2
Chair: Prof. Iris Tommelein

10:30-11:30 Lima Time

11:45-12:45 Lima Time

13:00-14:00 Lima Time

14:15-15:15 Lima Time

15:30-16:30 Lima Time

Thursday July 15, 2021

08:00-10:00 Lima Time
Gregory Howell Lean Game Session
Room 1: TVD Simulation (TV digital fabrication)
Room 2: TVD Simulation
Room 3: Batch, Pull, Balance
Room 4: Mistakeproofing
Room 5: 5S Puzzle
Room 6: Parade of Triads

10:30-11:30 Lima Time

14:00-15:00 Lima Time

15:15-16:15 Lima Time

16:30-17:30 Lima Time

17:45-18:45 Lima Time

19:00-20:00 Lima Time
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<td><strong>SUPPLY CHAIN MANAGEMENT AND OFF-SITE CONSTRUCTION 1</strong></td>
<td><strong>PEOPLE, CULTURE, AND CHANGE 6</strong></td>
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<td><strong>Chair</strong></td>
<td><strong>Dr Emmanuel Daniel</strong></td>
<td><strong>Annett Schöttle</strong></td>
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<td><strong>10:30-11:30</strong></td>
<td><strong>USE OF VALUE STREAM MAPPING IN A CASE STUDY IN BASEMENT CONSTRUCTION</strong>&lt;br&gt; Espinoza, Lisseth R.; Herrera, Rodrigo F.; Brioso, Xavier</td>
<td><strong>GETTING SOUTH AFRICAN CONTRACTORS TO THINK AND ACT LEAN: A CASE STUDY</strong>&lt;br&gt; Schulz, Fabian; Alkemade, Jipenter; Helin</td>
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<td><strong>UNCONCEPTUAL MODEL TO DETERMINE THE IMPACT OF OFF-SITE CONSTRUCTION ON LABOUR PRODUCTIVITY</strong>&lt;br&gt; Mejía, Joel; Vásquez, Cristian; Pérez-Balbuena, Beto; Balsa, Hugo</td>
<td><strong>LEAN TEAMS AND BEHAVIORAL DYNAMICS: UNDERSTANDING THE LINK</strong>&lt;br&gt; Asadian, Elnaz; Leicht, Robert M.</td>
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<td><strong>RODENF DE CONSTRUCTION SUPPLY CHAIN OPTIMIZATION PAPERS FOR PERFORMANCE IMPROVEMENT</strong>&lt;br&gt; Ali, Dj Bearon; Almadd, Chaladi; Alkh, Ahmed Khas; Shafuddin</td>
<td><strong>CHALLENGES OF VIRTUAL DESIGN AND CONSTRUCTION IMPLEMENTATION IN PUBLIC PROJECTS</strong>&lt;br&gt; Prada Lupi, Guilhermo</td>
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<td><strong>SAFETY, QUALITY, AND GREEN-LEAN 1</strong>&lt;br&gt; Chair: Dr Emmanuel Daniel</td>
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<td><strong>11:45-12:45</strong></td>
<td><strong>REDUCING CONSTRUCTION LOGISTICS COSTS AND EMBODIED CARBON WITH MCC AND KITTING: A CASE STUDY</strong>&lt;br&gt; Beriou, Fabrice; Guercoscol; Pierre, Baja; Calier, Matte; Omran</td>
<td><strong>TAKT PRODUCTION AS OPERATIONS STRATEGY: CLIENT’S PERSPECTIVE TO VALUE-CREATION AND FLOW</strong>&lt;br&gt; Lehtovaara, Joonas; Heinonen, Aleksi; Rantakari, Mikko; Seppänen, Olli; Peltokorpi, Antti</td>
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<td><strong>LEAN RENOVATION – A CASE STUDY OF PRODUCTIVITY, FLOW, AND TIME IMPROVEMENTS</strong>&lt;br&gt; Johansen, Peder; Christensen, Søren; Neve, House H.; Wendahl, Søren</td>
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<td><strong>PROPOSAL MODEL FOR THE MANAGEMENT OF CONSTRUCTION BASED ON FLOW – A COMPLEX ADAPTIVE SYSTEM</strong>&lt;br&gt; Johansen, Peder; Christensen, Søren; Neve, House H.; Wendahl, Søren</td>
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<td><strong>EARLY DUE LOW UNCERTAINTY (EDLU) FOR IMPROVING SUPPLY CHAIN PERFORMANCE UNDER ORDER VARIABILITY IN PRECAST CONCRETE PRODUCTION</strong>&lt;br&gt; Kim, Yongbin; Kim, Yoon Bok</td>
<td><strong>IMPLEMENTATION OF BIM AND LEAN CONSTRUCTION IN PRECAST CONCRETE CONSTRUCTION: EVIDENCE FROM THE UK</strong>&lt;br&gt; Mitche, John; Daniel, Shonman; Fang, Ting Yang</td>
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<td><strong>BUFFER TYPS AND METHODS OF DEPLOYMENT IN CONSTRUCTION</strong>&lt;br&gt; Balaghi, Francesco; Saidel; Viana, Daniela; Droz; Coelho, Rafael Vigario; Tommelein, Ian Derick; Fommeis, Carlos Torres</td>
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