

Creative Construction Conference 2017
June 19, 2017 - June 22, 2017 - Primošten, Croatia
Detailed Program

Monday - June 19, 2017

14:00		Registration
19:00	21:00	Welcome Reception in Hotel Zora

Tuesday - June 20, 2017

8:45	9:00	Welcome and Introductions: Miklós Hajdu , Chair of the International Organizing Committee		
9:00	9:45	Keynote Speech: Tai Sik Lee <i>Future Technology in civil engineering – smart city and space technology</i>		
9:45	10:00	Coffee Break		
10:00	11:00	Creative Management: Edgar Small	Creative Technology and Materials: Žiga Turk	Creative Scheduling: Miklós Hajdu
		Zoltán Sebestyén : <i>Further Considerations in Project Success</i>	Rongbo Hu, Camilla Follini, Wen Pan, Thomas Linner, Thomas Bock : <i>A case study on regenerating informal settlements in Cairo using Affordable and Adaptable Building System</i>	Gunnar Lucko, Yi Su : <i>Precedence pattern permutations creating criticality constellations: Exploring a conjecture on non-linear activities with continuous links</i>
		Mladen Radujković, Mariela Sjekavica : <i>Project Management Success Factors</i>	Hyunsu Lim, Taecheon Kim , Chang-Won Kim, Hunhee Cho, Kyung-In Kang: <i>Window Proximity Tracking Method for Tall Building Construction</i>	Zoltán A. Vattai : <i>“CRITICAL” TERMINOLOGY – apropos of a conjecture</i>
		István Hajnal : <i>Stigmatised Property: A Method of Comparing Blights</i>	Radan Tomek : <i>Advantages of precast concrete in highway infrastructure construction</i>	Adel Francis , Stéphane Morin-Pepin: <i>The concept of float calculation based on the site occupation using the chronographical logic</i>
		Farzad Pour Rahimian , Jack Goulding, Akintola Akintoye and Shaba Kolo: <i>Review of Motivations, Success Factors, and Barriers to the Adoption of Offsite Manufacturing in Nigeria</i>	Kyuhyup Lee , Soonwook Kwon, Joonghwan Shin, Suwan Chung and Songyi Lee: <i>A Prediction Method of Vertical Lifting Loads based on Long-Term Time Series Analysis for High-Rise Building Construction</i>	Sifniadis Anestis, Petroutsatou Kleopatra : <i>Exploring of the consequences of human resources multitasking in industrial automation projects: a tool to mitigate impacts</i>
11:00	11:30	Coffee Break		
11:30	12:45	Creative Management: Zoltán Sebestyén	Creative Technology and Materials: Thomas Bock	Automation and Robotics in Construction: Mirosław Skibniewski
		Žiga Turk , and Robert Klinc: <i>Potentials of Blockchain Technology for Construction Management</i>	Ameer A. Jebur , William Atherton, Rafid M. Alkhada, Edward Loffill: <i>Nonlinear analysis of single model piles subjected to lateral load in sloping ground</i>	Soonwook Kwon , Jae-Woo Park, Daeyoon Moon, Suwan Jung, Heesung Park: <i>Smart Merging Method for Hybrid Point Cloud Data Using UAV and LIDAR in Earthwork Construction</i>
		Rachel C. Coyner, Scott W. Kramer : <i>Long Term Benefits of Building Commissioning: Should Owners Pay the Price</i>	Abdelkarim Dib , László Gergely Vigh: <i>Innovative structural solution for dissipative zone stiffened by longitudinal stiffeners</i>	Hyeoun-Seong Kim, Sangmi-Park, Sunju-Han, Leen-Seok Kang : <i>AR-based 4D CAD system using marker and markerless recognition method</i>
		Tsegay Gebrehiwet , Hanbin Luo: <i>Analysis of Delay Impact on Construction Project Based on RII and Correlation Coefficient: Empirical Study</i>	Mark C. Tatum , Junshan Liu: <i>Unmanned Aircraft System Applications In Construction</i>	Michael Polter , Raimar Scherer: <i>Towards an adaptive civil engineering computation framework</i>
		Heng Wang, Bryan Hubbard : <i>A survey study on industrial construction project supply chain: on time performance and practices of structural steel and pipe spools</i>	Befrin Neval Bingol , Gul Polat: <i>Measuring Managerial Capability of Subcontractors Using a KPI Model</i>	Zaiyi Pan , Hongling Guo, Yan Li: <i>Automated Method for Optimizing Feasible Locations of Mobile Cranes Based on 3D Visualization</i>
		Rachel C. Okada, April E. Simons , Anoop Sattineni: <i>Owner-Requested Changes in the Design and Construction of Government Healthcare Facilities</i>	VPS Nihar Nanyam , Riddha Basu, Anil Sawhney, Harsh Vikram, Gourav Lodha: <i>Implementation of precast technology in India: Opportunities and challenges</i>	Vladimir Križaić , Matija Varga, Lovro Gradišer, Sanjana Buč: <i>Integration of Building Legalization Applications</i>
12:45	14:00	Lunch		
14:00	14:45	Keynote Speech: Ghassan F. Aouad <i>The art and science of leadership in construction</i>		

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14:45	15:00	Disperse to sessions		
15:00	16:15	Creative Management: Borja Garcia de Soto	Creative Technology and Materials: Chansik Park	Sustainable construction: Augustin Purnus
		Espen Eivindson, Berner E. Innvær, Elisabeth Kolberg, Christoph Merschbrock, Christian Nordahl Rolfsen : <i>Inefficiencies in Norwegian small-scale construction, or the problem of too long trucks?</i>	Olusegun Aanuoluwapo Oguntona, Clinton Ohis Aigbavboa : <i>Biomimetic materials and technologies for carbon neutral cities in South Africa: a literature review</i>	John Smallwood : <i>The Impact of a Client Contractor Health and Safety (H&S) Programme on Contractor H&S Performance</i>
		Iver Grytting , Fredrik Svalestuen, Jardar Lohne, Håvard Sommersest, Siri Augdal, Ola Lædre: <i>Use of LoD decision plan in BIM-projects</i>	VPS Nihar Nanyam , Anil Sawhney, Prateek Arun Gupta: <i>Evaluating Offsite Technologies for Affordable Housing</i>	S. Thomas Ng , Frank J. Xu, Yifan Yang, Mengxue Lu: <i>A master data management solution to unlock the value of big infrastructure data for smart, sustainable and resilient city planning</i>
		Pablo Orihuela , Santiago Pacheco, Jorge Orihuela: <i>Proposal of Performance Indicators for the Design of Housing Projects</i>	Sungwoo Moon : <i>Application of Mobile Devices in Remotely Monitoring Temporary Structures During Concrete Placement</i>	Robert H. Crawford , Xavier Cadorel: <i>A framework for assessing the environmental benefits of mass timber construction</i>
		Keith A. Rahn , Phillip Davis, Mark Dougherty: <i>Laboratory Methods Examining The Effects Of Pavement Runoff</i>	Salem G. Nehmea, Roland László, Abdulkader El Mir : <i>Mechanical Performance of steel fiber reinforced self-compacting concrete in panels</i>	Ran Wang , Chia-Jung Lee, Shu-Chien Hsu: <i>Predicting the Effects of Board Composition on Construction Corporate Misconduct</i>
			Ameer A. Jebur , William Atherton, Rafid M. Alkhadar, Edward Loffill: <i>Piles in sandy soil: A numerical study and experimental validation</i>	Anqi WANG, Edwin CHAN , Stanley YEUNG: <i>A framework for conservation construction plan model (CCPM)</i>
16:15	16:45	Coffee Break		
16:45	18:00	Creative Management: Miklos Hajdu	Sustainable construction: John Smallwood	Visualization, BIM: Zoltán A. Vattai
		Jon-Ove Liaset Røren , Paulos Abebe Wondimu, Jardar Lohne, Ola Lædre: <i>Interweaving zoning and design in road projects</i>	Lyndsey N. D. Pruitt, Scott W. Kramer : <i>How Historical Solutions to Thermal Comfort Influenced Modern Construction Efforts</i>	Darren Olsen, J. Mark Taylor : <i>Quantity Take-Off Using Building Information Modeling (BIM), and Its Limiting Factors</i>
		Tidimalo Kobue, Ayodeji Oke, Clinton Aigbavboa : <i>Understanding the Determinants of Students' Choice of Occupancy</i>	Christopher A. Jensen : <i>Staged competition as a driver of construction innovation</i>	Manuele Cassano, Marco L. Trani : <i>LOD standardization for construction site elements</i>
		Edgar P. Small , Lu'ay Ayyash, Khaled Al Hamouri: <i>Benchmarking Performance of TQM Principals in Electrical Subcontracting in Dubai: A Case Study</i>	Muhammad Abdulredha , Rafid AL khaddar, David Jordan, Ali Alattabi: <i>Facing up to waste: how can hotel managers in Kerbala, Iraq, help the city deal with its waste problem?</i>	Zhiliang Ma , Yuan Ren: <i>Integrated Application of BIM and GIS: An Overview</i>
		Lauren Redden , Wesley Collins, Jeff Kim: <i>Integration of construction mobile technologies into construction management curriculum: a case study</i>	Gul Polat, Atilla Damci, Harun Turkoglu , and Asli Pelin Gurgun: <i>Identification of root causes of construction and demolition (C&D) waste: the case of Turkey</i>	Aynur Kazaz, Turgut Acikara , Serdar Ulubeyli, Hasan Koyun: <i>Detection of Architectural Drawings Errors in 3 Dimension</i>
		Magdalena Apollo : <i>Prognostic and diagnostic capabilities of OOBN in assessing investment risk of complex construction projects</i>	Serkan YILDIZ , Serkan KIVRAK, Gökhan ARSLAN: <i>A model proposal for ensuring environmental sustainability of urban renewal projects</i>	Robert Bouška , Renáta Schneiderová Heralová: <i>Opportunities for use of advanced visualization techniques for project coordination</i>

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Wednesday - June 21, 2015

8:45	9:30	Keynote Speech: Robert M. Aydukovic <i>Workforce Development and Preparing the Next Generation of Built Environment Professionals</i>		
9:30	9:45	Disperse to sessions		
9:45	10:45	Creative Management: Farzad Pour Rahimian	Sustainable Construction: Clinton Aigbavboa	Creative Scheduling: Adel Francis
		Edgar P. Small , Khaled Al Hamouri, Husameddin Al Hamouri: <i>Examination of Opportunities for Integration of Lean Principles in Construction in Dubai</i>	Steinar Grynning, Jørn Emil Gaarder , Jardar Lohne: <i>Climate adaptation of school buildings through MOM : A case study</i>	Panagiotis M. Farmakis, Athanasios P. Chassiakos : <i>Dynamic multi-objective layout planning of construction sites</i>
		Daniel André Danielsen , Olav Torp, Jardar Lohne: <i>HSE in civil engineering programs and industry expectations</i>	Patrick Manu, Abdul-Majeed Mahamadu , Bonaventura Hadikusumo, Narong Leungbootnak, Alistair Gibb, Nick Bell: <i>Can personal values help to manage workers' occupational safety and health behaviour?</i>	Borja García de Soto , Anton Rosarius, Jochen Rieger, Qian Chen, Bryan T. Adey: <i>Using a Tabu-search Algorithm and 4D Models to Improve Construction Project Schedules</i>
		Danny Murguia , Xavier Brioso: <i>Using "Choosing by Advantages" and 4D Models to Select the Best Construction-Flow Option in a Residential Building</i>	Sina Safinia , Zamarad Al-Hinai, Hussin A.M Yahia, Mohammed F.M. Abushammala: <i>Sustainable Construction in Sultanate of Oman: Factors Effecting Materials Utilization</i>	Levente Mályusz , Anita Varga: <i>An Estimation of the Learning Effect on Project Cost Scheduling</i>
		Sangyoon Chin , Inchie Kim, Cheol-Ho Choi: <i>What Authentication Technology Should Be Chosen for Construction Manpower Management?</i>	Monique Schmidt , Robert H. Crawford: <i>Developing an integrated framework for assessing the life cycle greenhouse gas emissions and life cycle cost of buildings</i>	Levente Mályusz , Anita Varga: <i>An Estimation of the Learning Curve Effect on Project Scheduling with Calendar Days Calculation</i>
10:45	11:15	Coffee Break		
11:15	12:30	Creative Management: István Hajnal	Sustainable Construction: Keith A. Rahn	Visualization, BIM: Constanta Nicolea Bodea
		Petro Pöyhönen , Matti Sivunen, Juho-Kusti Kajander: <i>Developing a project delivery system for construction project : A case study</i>	Mabila A. Mathebula, John J. Smallwood : <i>Religious building collapses: The heavy price of short cuts in places of worship and pilgrimage site construction.</i>	Taowen Sun, Zhen Xu , Jingyu Yuan, Chang Liu, Aizhu Ren: <i>Virtual experiencing and pricing of room views based on BIM and oblique photogrammetry</i>
		Danny Murguia , Xavier Brioso, Lucia Ruiz-Conejo, Leandro Fernandez: <i>Process Integration Framework for the Design Phase of a Residential Building</i>	Paul-Antoine Bontinck , Robert H. Crawford, André Stephan: <i>Improving the uptake of hybrid life cycle assessment in the construction industry</i>	Conrad Boton, Daniel Forgues : <i>The need for a new systemic approach to study collaboration in the construction industry</i>
		Silvia Mastrolemba Ventura, Vito Getuli , Pietro Capone, Angelo L.C. Ciribini: <i>BIM-based code checking for construction health and safety</i>	Gul Polat, Harun Turkoglu and Asli Pelin Gurgun: <i>Identification of Material-Related Risks in Green Buildings</i>	Abdur Rehman Nasir , Hans-Joachim Bargstädt: <i>An approach to develop video tutorials for construction tasks</i>
		I. Temiz and Gulben Calis : <i>Selection of Construction Equipment by Using Multi-criteria Decision Making Methods</i>	Tarila Zuofa , Edward G. Ocheing: <i>Senior managers and safety leadership role in offshore oil and gas construction projects</i>	Shrutiniwas Sharma , Anil Sawhney, Mohammed Arif: <i>Parametric Modelling for Designing Offsite Construction</i>
		Anders Haugen , Paulos Abebe Wondimua, Jardar Lohne, Ola Lædre: <i>Project delivery methods in large public road projects : A case study of E6 Jaktøyen - Sentervegen</i>	Daniel de Robles, Scott W. Kramer : <i>Improving Indoor Air Quality Through The Use of Ultraviolet Technology In Commercial Buildings</i>	Hervé Pruvost , Raimar J. Scherer: <i>Analysis of risk in building life cycle coupling BIM-based energy simulation and semantic modeling</i>
12:30	13:45	Lunch		
13:45	14:30	Keynote Speech: Haijiang Li <i>Computing Innovations in AEC/O Industry</i>		
14:30	14:45	Disperse to sessions		

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14:45	16:00	Creative Management: Gunnar Lucko	Sustainable Construction: John Smallwood	Creative Management: István Hajnal
		Taqdees Anjum , Poorvesh Dongre, Fozail Misbah, VPS Nihar Nanyam: <i>Purview of 3DP in the Indian Built Environment Sector</i>	Robert H. Crawford , Deepika Mathur, Rolf Gerritsen: <i>Barriers to improving the environmental performance of construction waste management in remote communities</i>	Turgut Acikara , Aynur Kazaz, Serdar Ulubeyli: <i>Evaluations of Construction Project Participants' Attitudes Toward Quality Management in Turkey</i>
		Murrender Liphadzi , Clinton Aigbavboa, Wellington Thwala: <i>A theoretical perspective on the difference between leadership and management</i>	André Stephan , Christopher A. Jensen, Robert H. Crawford: <i>Improving the life cycle energy performance of apartment units through façade design</i>	Callistus Tengan, Clinton Aigbavboa : <i>Level of stakeholder engagement and participation in monitoring and evaluation of construction projects in Ghana</i>
		Atle Engebø , Nina Kjesbu, Ola Lædre and Jardar Lohne: <i>Percieved consequences of counterfeit, fraudulent and sub-standard materials</i>	Mathieu Dupuis , A.April, P.Lesage and D.Forgues: <i>Method to enable LCA analysis through each level of development of a BIM model</i>	Simon Holst Aandahl , Paulos Abebe Wondimu, Jardar Lohne, Ola Lædre: <i>Managing the room of maneuver in design build contracts – a comparative study of Norwegian road projects</i>
		Gul Polat, Befrin Neval Bingol , Ozgen Var: <i>An Integrated Multi-Criteria-Decision-Making Tool for Mechanical Designer Selection</i>	Merve Kuru, Gulben Calis : <i>Understanding the relationship between indoor environmental parameters and thermal sensation of users via statistical analysis</i>	Ayodeji Oke, Clinton Aigbavboa , Zacharia Mangena: <i>Prevention of Collusion for Innovative Construction</i>
		Moein Barakchi, Olav Torp, Alemu Moges Belay : <i>Cost Estimation Methods for Transport Infrastructure: A Systematic Literature Review</i>	Ramya Kumanayake , Hanbin Luo: <i>Development of an automated tool for buildings' sustainability assessment in early design stage</i>	A.E. Cengiz, O. Aytekin, I. Ozdemir, H. Kusanb, A. Cabuk : <i>A Multi-Criteria Decision Model for Construction Material Supplier Selection</i>
16:00	16:30	Coffee Break		
16:30	18:00	Creative Management: Levente Mályusz	Creative Construction Technology and Materials: Zhiliang Ma	Creative Scheduling: Adel Francis
		Laura Florez , Jean C. Cortissoz: <i>Using workers compatibility to predict labor productivity through cluster analysis</i>	Cathy C.W. Hung , Pi-Cheng Chen, Shu-Chien Hsu: <i>The Economic Consequences of Construction Sector in Urbanized Small Economy: An Analysis of Hong Kong</i>	A. Corneli, S. Meschini, V. Villa, G.M. Di Giuda, A. Carbonari : <i>A decision support system for the multicriteria analysis of existing stock</i>
		Niclas Andersson , Jerker Lessing: <i>The Interface between industrialized and project based construction</i>	Sareh Moosavi : <i>Ecological Coastal Protection: Pathways to Living Shorelines</i>	Richard C. Thompson, Jr., Yi Su, Gunnar Lucko : <i>Measuring Project Performance Inspired by Stock Index</i>
		Riddha Basu , VPS Nihar Nanyam, Anil Sawhney: <i>A Multi-Dimensional Subcontractor Evaluation Framework for Nonconventional Housing Systems</i>	Ali Waheid Alattabia , Clare Harris, Rafid Alkhaddar, Ali Alzeyadi and Khalid Hashim: <i>Treatment of Residential Complexes' Wastewater using Environmentally Friendly Technology</i>	Augustin Purnus , Constanta-Nicoleta Bodea: <i>A Predictive Model of Contractor Financial Effort in Transport Infrastructure Projects</i>
		Nokulunga Mashwama , Clinton Aigbavboa, Didi Thwala: <i>An assessment of the critical success factors for the reduction of cost of poor quality in construction projects in Swaziland.</i>	Muhammad Abdulredha , Rafid AL khaddar, David Jordan, Khalid Hasim: <i>The development of a waste management system in Kerbala during major pilgrimage events: determination of solid waste composition</i>	Xavier Brioso , Danny Murguia, Alonso Urbina: <i>Teaching Takt-Time, Flowline, and Point-to-Point Precedence Relations: A Peruvian Case Study</i>
		Alemu Moges Belay , Olav Torp: <i>Do Longer Projects Have Larger Cost Deviation Than Shorter Construction Projects?</i>	Bahaa Eddine Mneymneh, Mohamad Abbas, Hiam Khoury : <i>Automated Hardhat Detection for Construction Safety Applications</i>	Miklos Hajdu : <i>Applying logical switches on precedence relationships</i>
		Oluwaseun Sunday Dosumu, Clinton O. Aigbavboa : <i>Impact of design errors on variation cost of selected building project in Nigeria</i>	Ali Waheid Alattabi , Clare Harris, Rafid Alkhaddar, Ali Alzeyadi and Muhammad Abdulredh: <i>Online Monitoring of a Sequencing Batch Reactor Treating Domestic Wastewater</i>	Petr Matějka , Aleš Tomek: <i>Ontology of BIM in a Construction Project Life Cycle</i>
19:00	22:00	Gala Dinner (Gathering in the hotel lobby at 18:15)		
Thursday - June 22, 2017				
9:00	18:30	Sightseeing + Dinner (Gathering in hotel lobby at 8:15)		