

## Creative Construction Conference 2013

July 6, 2013 - July 9, 2013 - Budapest

### Detailed Program

#### Saturday - July 6, 2013

14:00		Registration
18:30	20:30	Welcome Reception

#### Sunday - July 7, 2013

9:00	9:15	Welcome and Introductions		
9:15	10:00	Keynote Speech 1	Thomas BOCK	3 Decades of Construction Automation and Robotics
10:00	10:30	Coffee Break		
10:30	11:30	<b>Creative Management: Alfredo SERPELL</b>	<b>Sustainable Construction: Li-Yin SHEN</b>	<b>Automation and Robotics: Miroslaw SKIBNIEWSKI</b>
		<b>Sergios LAMBROPOULOS, Marina MARINELLI, John-Paris PANTOUVAKIS: Ex Post Risk Analysis of Greek Motorway Concessions in Distress</b>	<b>Wen-der YU, Chih-ming WU, Shann-jeng WEN: Integrating Green Innovation and BIM for Sustainable Construction Design</b>	<b>Kazuyoshi ENDO, Thomas BOCK, Thomas LINNER: Rapid Return on Investment by Innovative Methods in Construction Visualized by Cash Flow Model</b>
		<b>Jaebum LEE, Kang-Wook LEE, Jung Ki LEE, Seung Heon HAN: Approaches for Developing a Risk-Based Intelligent Agent System for International Construction</b>	<b>Lieyun DING, Sheng XU, Hanbin LUO, Shengyu GUO, Siqi WANG: Developing a Safety Training System for Chinese Metro Construction Workers</b>	<b>Thomas BOCK, Shabtai ISAAC: A Methodology for Adapting Housing Stock Using Modular Infills</b>
		<b>Magdy IBRAHIM, Osama MOSELHI: Self Adaptive Forecasting for Construction Projects</b>	<b>Martina E MURPHY, George HEANEY, Srinath PERERA: Modelling Construction Innovation Constraints: A Tool for Sustaining Innovation in Projects</b>	<b>Kepa ITURRALDE, Thomas BOCK, Kazuyoshi ENDO, Thomas LINNER, Christos GEORGIOULAS: Towards an Embedded Robotic Environment (ERE) in Existing Buildings</b>
		<b>Stephanie NIELSEN, Syed M. AHMED, Catherine YARIS: Women in the Construction Industry: Investigating Current Challenges Faced by Women in the U.S Construction Industry</b>	<b>Serkan KIVRAK, Serdar ULUBEYLI, Salih Serkan ARTAGAN, Volkan ARSLAN: Minimizing Construction Accidents Using Cartoons in Health and Safety Trainings</b>	<b>Kepa ITURRALDE, Thomas BOCK, Kazuyoshi ENDO, Thomas LINNER, Christos GEORGIOULAS: Feasibility Study for Robotic Façade Upgrading and Maintenance</b>
11:30	11:45	Disperse to sessions		
11:45	12:45	<b>Creative Management: Syed AHMED</b>	<b>Sustainable Construction: Wen-der YU</b>	<b>Visualization, BIM: Ioannis BRILAKIS</b>
		<b>Alfredo SERPELL, José Manuel RUEDA: Estimating the Cost of New Construction Projects Using an Integrated, Computer-Based Approach</b>	<b>Limao ZHANG, Xianguo WU, Lieyun DING, Miroslaw J. SKIBNIEWSKI, Hanbin LUO: Decision Support Analysis for Safety Assurance in Metro Construction Based on Fuzzy Bayesian Networks</b>	<b>Lars OBERWINTER, Iva KOVACIC, Christoph MÜLLER, Kristina KIESEL, Linda SKORUPPA, Ardeshir MAHDAVI: Interdisciplinary, BIM-Supported Planning Process</b>
		<b>Wen-der YU, Pei-Lun CHANG, Shun-min LEE: A Lessons-Learned-Based Universal Problem Solving Model for Construction Engineering</b>	<b>István HAJNAL: Building Rehabilitation: The Greenest Solution? Case Study</b>	<b>Mojtaba MAGHREBI, Travis WALLER, Claude SAMMUT: Integrated Building Information Modelling (BIM) with Supply Chain and Feed-Forward Control</b>
		<b>Zoltán ROSTÁS, István HAJNAL: Architect Education in the Light of Real Estate Crisis</b>	<b>Kuo-Liang LIN, Sho-Hong JU: Energy and Temperature Analysis for Concrete Buildings</b>	<b>Peter SMITH: BIM &amp; Project Cost Management - Implementation Issues &amp; Creative Solutions</b>
		<b>Igal M. SHOHEIT: Enterprise Resource Planning System for Performance-Based-Maintenance of Clinics Facilities</b>	<b>Andrew ROBERTS, Anoop SATTINENI: Adaptive Reuse of the 1996-2008 Summer Olympic Venues</b>	<b>Tamás KOCSIS, Orsolya BOKOR: Case Study: Stadium Construction Project Supported by Building Information Modeling Tools</b>
12:45	14:15	Lunch		
14:15	15:00	Keynote Speech 2	Miroslaw SKIBNIEWSKI	Impact of BIM Implementation on Construction Site Productivity

## Creative Construction Conference 2013

July 6, 2013 - July 9, 2013 - Budapest

### Detailed Program

15:00	15:15	Disperse to sessions		
15:15	16:15	<b>Creative Management: Zoltán ROSTÁS</b>	<b>Creative Scheduling: Levente MÁLYUSZ</b>	<b>Creative Technology: Thomas BOCK</b>
		<b>Jumah Rashed AL MAZROOIE, Arun BAJRACHARYA:</b> <i>A Study on the Operational Readiness of Mega Construction Project</i>	<b>Augustin PURNUS, Constanta-Nicoleta BODEA:</b> <i>A Probabilistic Approach of Construction Project Financial Management</i>	<b>Chirag GARG, Bryan HUBBARD:</b> <i>Optimization of Component Size in Modular Construction</i>
		<b>Tetsukazu AKIYAMA, Ryosuke FUJIKI:</b> <i>The Process of Scaffolding Planning for Extensive Renovations of High-Rise Condominiums</i>	<b>Miklós HAJDU:</b> <i>Effects of Activity Calendars in PERT Networks: Case Studies</i>	<b>María L. PERALTA:</b> <i>Analysis of Underground Infrastructures in Areas of Accelerated Urban Growth</i>
		<b>Kazuyoshi ENDO, Thomas BOCK, Thomas LINNER, Jun IWAMATSU, Kepa ITURRALDE:</b> <i>A Study of General Contractors' Management Strategies: A Time Series Analysis of the ENR Top International Contractors 225</i>	<b>David BUSKILA, Shabtai ISAAC:</b> <i>Applying Linear Scheduling for Safety Planning in Building Projects</i>	<b>Tan Teng HOOI, Ang Kok HUA, Chiang Chee CHEONG, Sheng Li CHING, Chua Hee KUNG:</b> <i>Use of Prestressed Transfer Girder to Underpin an LRT Pier</i>
		<b>Yu-Ren WANG, Tsai-Hsun LIN, Yi-Fan SHIH:</b> <i>Applying Taguchi Gas in Construction Project Audit Assignment Problems</i>	<b>Mahdi ABBASI IRANAGH, Tankut ATAN, Rifat SONMEZ:</b> <i>A Mixed-Integer Linear Model for Optimization of Resource Idle Days in Project Scheduling</i>	<b>Mohammadreza NEJATI, Behzad ABBASNEJAD:</b> <i>Increasing Durability of Concrete by Nanotechnology and Biotechnology Materials for Sustainable Developments</i>
16:15	16:45	Coffee Break		
16:45	17:45	<b>Creative Management: Miroslaw SKIBNIEWSKI</b>	<b>Sustainable Construction: Neil ELDIN</b>	<b>Visualization, BIM: Lars OBERWINTER</b>
		<b>Orsolya BOKOR, Miklós HAJDU:</b> <i>Teaching Construction Management: Developing E-Learning Materials</i>	<b>Marco Lorenzo TRANI, Benedetta BOSSI, Massimo MINOTTI:</b> <i>Construction Site Design. A Systematic Approach</i>	<b>Man-Woo PARK, Fei DAI, Matthew J. SANDIDGE, Ioannis BRILAKIS:</b> <i>Vision-Based Approach for Measuring On-Road Truck Heights</i>
		<b>Bożena HOŁA, Marek SAWICKI, Miroslaw SKIBNIEWSKI:</b> <i>Benefits from the Use of the Knowledge Map in the Construction Enterprise</i>	<b>Attaullah SHAH, Ehsan.U.Qazi, Syed M. AHMED:</b> <i>Reuse of Construction Wastes as Aggregates in Concrete. A Case Study of Allama Iqbal Open University-Pakistan</i>	<b>Anoop SATTINENI, Jason UNDERWOOD, Farzad KHOSROVSHAHI:</b> <i>Conceptual Framework for Site Safety Monitoring Using RFID and BIM</i>
		<b>W WIEGAND, John SMALLWOOD:</b> <i>Knowledge Management in Construction: South African Contractors' Perceptions</i>	<b>Okan SIRIN, Ramzi TAHA, Rabah QUNNABY, Khalid ALKHAMIS, Mohammad NASER, Mohammad YOUNIS, Abdullah SHIHADDEH:</b> <i>Evaluation of Demolition Wastes for Use in Road Bases and Sub-Bases Construction in Qatar</i>	<b>Bahriye ILHAN, Hakan YAMAN:</b> <i>Developing Property SET/S in the IFC Standard for Sustainable Construction</i>
		<b>Ismail C. YILMAZ, Attila DIKBAŞ:</b> <i>Discussions on Applying Text Mining Techniques to Dispute Documents in Turkish Public Construction Projects and a New Approach</i>		

## Creative Construction Conference 2013

July 6, 2013 - July 9, 2013 - Budapest

### Detailed Program

#### Monday - July 8, 2012

9:45	10:30	Keynote Speech 3	Li-Yin SHEN	Experience-Mining for Sustainable Urbanization
10:30	11:00	Coffee Break		
11:00	12:00	<b>Creative Management: Shabtai ISAAC</b>	<b>Creative Scheduling: Augustin PURNUS</b>	<b>Visualization, BIM: Zoltán ROSTÁS</b>
		<b>Polyneikis STROGGYLIS, Yiannis XENIDIS: A New Methodology for Deciding on Construction Project Early Termination</b>	<b>Attila PÉM, Levente MÁLYUSZ: Models of Arrangement of Final Material Depots at a Construction Site for Labors and for Robots</b>	<b>Chung-Wei FENG, Ya-Ting HO: An Information-Flow-Based Organizational Framework to Streamline the Process of Employing BIM within Construction Projects</b>
		<b>Ximena FERRADA, Alfredo SERPELL: Construction Methods Selection: A Knowledge-Based System</b>	<b>Miklós HAJDU: Are Activity Distribution Types Important in PERT?</b>	<b>Kriengsak PANUWATWANICH, Vachara PEANSUPAP: Factors Affecting the Current Diffusion of BIM: A Qualitative Study of Online Professional Network</b>
		<b>Jun IWAMATSU, Tetsukazu AKIYAMA, Hirotake KANISAWA, Masao ANDO: The Current Situation of Unit Prices, etc. in Subcontracts of Rebar Work: A History Based Case Study of a Rebar Company</b>	<b>Atilla DAMCI, David ARDITI, Gul POLAT, Befrin Neval BINGOL: An Improved Genetic Algorithm for Resource Leveling of LOB Schedules</b>	<b>Mounir EL ASMAR, Tober C. FRANCOM: Assessing the Impact of Building Information Modeling (BIM) on Construction Project Performance</b>
		<b>Maja-Marija NAHOD, Mladen VUKOMANOVIĆ, Mladen RADUJKOVIĆ: Framework for Measuring and Evaluating Behavioural Competencies in Construction Projects</b>	<b>Andrzej WIĘCKOWSKI: The Analysis of the Concrete Mix Delivery Organisation to the Construction Site</b>	<b>Daniel FORGUES, Dimitri SCHMITZ, Souha TAHRANI: Upbrella and BIM: Rethinking the Construction Process in Residential Construction</b>
12:00	13:30	Lunch		
13:30	14:15	Keynote Speech 4	Miklós HAJDU	Everything You Wanted to Know About PERT but Were Afraid to Ask
14:15	14:30	Disperse to sessions		
14:30	15:30	<b>Creative Management: Shabtaai ISAAC</b>	<b>Creative Scheduling: Miklós HAJDU</b>	<b>Visualization, BIM:</b>
		<b>Frans van GASSEL, M.J.E. VISSER, J.E.M.H. van BRONSWIJK: Failure Stress as a Motivator for Creative Construction Management</b>	<b>Chung-Wei FENG, Gabriela ANDRADE LAM, Ya-Ting HO, Yi-Jao CHEN: Critical Chain Methodology in Construction Project Management: A Practical Framework</b>	<b>Cyril MAUGER: A Design Artifact for Functional Assessment of Construction Projects</b>
		<b>Gul POLAT, Befrin Neval BINGOL, Atilla DAMCI: An Integrated Approach to Subcontractor Selection in Construction Projects</b>	<b>Mario GALIC, Zlata DOLACEK-ALDUK, Ivica ZAVRSKI: The Importance of Additional Criteria in Solving Transportation Problem</b>	<b>Yi-Jao CHEN, Chia-Wei HUANG, Chung-Wei FENG, Yu-Ren WANG: The Applications of BIM Model in Designs Checking</b>
		<b>Pelin Ipek TIMURCAN, Sevgi Zeynep DOĞAN: A Review of Research Trends in Social Network Analysis</b>	<b>Andrzej WIĘCKOWSKI, Alicja SZNURAWA: Effectiveness of Concrete Runways Construction on the Eve of Air Transport Domination</b>	<b>Zhiliang MA, Jiankun MA: Function Requirements of BIM-Based Collaborative Work Platform Supporting IPD Projects</b>
		<b>Aynur KAZAZ, M.T. BIRGONUL, Bayram ER, Serdar ULUBEYLI: A Fuzzy Model to Determine Construction Firms' Strategies</b>	<b>Levente MÁLYUSZ, Attila PÉM: An adaptive algorithm of prediction of construction activities performance</b>	

**Creative Construction Conference 2013**

**July 6, 2013 - July 9, 2013 - Budapest**

**Detailed Program**

15:30	16:00	Coffee Break		
16:00	17:00	<b>Creative Management: Miklós HAJDU</b>	<b>Sustainable Construction: Levente MÁLYUSZ</b>	<b>Creative Management: Orsolya BOKOR</b>
		<b>Ximena FERRADA, Marcos SEPÚLVEDA, Alfredo SERPELL:</b> <i>Construction Management on Site: Requirements for a Lessons-Learned System</i>	<b>Árpád RÓZSÁS, Nauzika KOVÁCS:</b> <i>Probabilistic Assessment of the Effect of Climate Change on the Carbonation of Concrete Structures in the Carpathian Basin</i>	<b>Behzad ABBASNEJAD, Mohammadreza NEJATI:</b> <i>Strategic Risk Management in Projects: An Applied Model to Control Risk of Projects</i>
		<b>Leonas USTINOVICIUS, Romas RASIULIS, Tatjana VILUTIENĖ:</b> <i>The Interactive System for Implicit Learning of Project Management in Construction</i>	<b>Elaheh ZOHREVANDI, Effat ALLAHYARI:</b> <i>Dynamic Hamiltonian Buildings with a Persian Twist</i>	<b>Mounir EL ASMAR, Awad HANNA:</b> <i>Developing the Construction Project Quarterback Rating: An Innovative Project Performance Metric</i>
		<b>Bayram ER, Aynur KAZAZ, Serdar ULUBEYLI:</b> <i>A Conceptual Framework for Strategic Management of Construction Firms</i>	<b>Arkadiusz MEŻYK, Mariusz PAWLAK, Wojciech KLEIN, Jan KANIA:</b> <i>Methodology for Optimization Modal Parameters in the Engineering Design Process for Example Continuous Miner Cutter Boom</i>	<b>Zsolt HUSZÁR:</b> <i>The budget of the modern column formwork by a calculation based on new norms</i>
17:30	22:00	Conference Dinner		
<b>Tuesday - July 9, 2013</b>				
9:00	14:00	Sightseeing in the Buda Castle + Lunch		