

FINAL PROGRAM

Saturday - 29 June 2019

14:00		Registration
19:00	21:00	Welcome Reception - Danubius Grand Hotel Margitsziget

Sunday - 30 June 2019

8:30	8:45	Welcome and Introductions: Miklós Hajdu, Chair of the International Organizing Committee <i>Lecture room: Magnolia</i>		
8:45	9:30	Keynote Speech 1 Prof. Iris Tommelein: Lean Construction = Systematically Unleashing Creativity <i>Lecture room: Magnolia</i>		
9:30	9:45	Disperse to sessions		
9:45	10:45	Creative Management: Zoltán A. Vattai <i>Lecture room: Magnolia</i>	Automation and Robotics in Construction: Miroslaw Jan Skibniewski <i>Lecture room: Jasmine I.</i>	Sustainable Construction, Health and Safety: Miklós Hajdu <i>Lecture room: Jasmine II.</i>
		Ahmed Senouci, Urjita Nitin Bowlekar, SeyedAmirhesam Khalafi and Neil Eldin: <i>A Multi Objective Scheduling Model for Minimization of Construction Project Duration, Total Cost and Environmental Impact</i>	Bharadwaj R. K. Mantha and Borja Garcia de Soto: <i>Cyber Security Challenges and Vulnerability Assessment in the Construction Industry</i>	A.M. Mathebula and John J. Smallwood: <i>The Transportation Management Framework for the Polokwane Local Municipality During the Zion Christian Church Easter Weekend Pilgrimage</i>
		Weerayut Chunyaem, Chayakrit Charoensiriwath, Kriengsak Panuwatwanich, Shigeki Saitod and Patai Padungtin: <i>Application of Artificial Intelligence to Automate Construction Materials Data Classification</i>	Mehdi Shahparvari, Herbert Robinson, Daniel Fong and Obas J. Ebohon: <i>Exploiting Automated Technologies for Reduction of Rework in Construction Housing Supply Chain</i>	Florence Y.Y. Ling, Zhe Zhang and Limin Guo: <i>Measures to Regain Productivity after Construction Accidents</i>
		Ali Boateng: <i>Supply Chain Management in the Ghanaian Building Construction Industry: A Lean Construction Perspective</i>	Edgar C. Tamayo, Ahmed Jawad Qureshi, Petr Musilek and Mohamad Al-Hussein: <i>Conceptual Design of Controllers for Automated Modular Construction Machines</i>	Hussein Abdallah, Farah Ezzedine, Angela Haddad, Ghadeer Salami, Hala Sanboskani, Maysa Dabaghi and Farook Hamzeh: <i>Employing Generative Design for Sustainable Construction</i>
		István Hajnal: <i>Value Methodology in the Real Estate Practice</i>	Jennifer Li and Mohamad Kassem: <i>A Roadmap to Achieving Readiness for Macro Adoption of Distributed Ledger Technology (DLT) in the Construction Industry</i>	SuHyun Jung and HeeSung Cha: <i>A Study on a Conceptual Data Model for Developing a Building Fire Information Management System</i>

Sunday - 30 June 2019																				
10:45	11:15	Coffee break with posters																		
11:15	12:30	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; background-color: #90ee90;"> <p>Creative Management: István Vidovszky <i>Lecture room: Magnolia</i></p> </td> <td style="width: 33%; background-color: #cccccc;"> <p>Visualization, BIM: Borja Garcia de Soto <i>Lecture room: Jasmine I.</i></p> </td> <td style="width: 33%; background-color: #f08080;"> <p>Sustainable Construction, Health and Safety: John J. Smallwood <i>Lecture room: Jasmine II.</i></p> </td> </tr> <tr> <td style="background-color: #90ee90;"> <p>Hsien-Kuan Chang, Wen-Der Yu, Yuan-Yu Hsu, Shao-Tsai Cheng and Kwo-Wuu Wang: <i>A Novel Model for Contractor Selection Decision</i></p> </td> <td style="background-color: #cccccc;"> <p>Somin Park, Francis Baek, Jiu Sohn and Hyoungkwan Kim: <i>Deep Learning-based Vehicle Image Matching for Flooding Damage Estimation</i></p> </td> <td style="background-color: #f08080;"> <p>Ezgi Kocaman, Merve Kuru and Gulben Calis: <i>Do Thermal Comfort Standards Ensure Occupant Satisfaction? Learning From Occupants' Thermal Complaints</i></p> </td> </tr> <tr> <td style="background-color: #90ee90;"> <p>Gozde Bilgin, Gorkem Eken, Beste Ozyurt, Irem Dikmen, M. Talat Birgonul and Beliz Ozorhon: <i>Validation of Support Tools for Project Management: Case of COPPMAN</i></p> </td> <td style="background-color: #cccccc;"> <p>Panagiotis Spyridis, Marvin Hoepfner, Mike Gralla, Lisa Theresa Lenz and Kai Christian Weist: <i>Lifecycle Design of Fastening Systems in Concrete Supported by BIM: Case Study Subsequent Assembly of an Industrial Robot</i></p> </td> <td style="background-color: #f08080;"> <p>Subhav Singh, Saurav Dixit and Kaaraayarthi Sharma: <i>Approaches to Improve the Quality of Workplace Built Environment</i></p> </td> </tr> <tr> <td style="background-color: #90ee90;"> <p>Gul Polat, Harun Turkoglu, Atilla Damci and Firat Dogu Akin: <i>Improved Unbalanced Bid Detection Model</i></p> </td> <td style="background-color: #cccccc;"> <p>Hsien-Kuan Chang, Wen-Der Yu, Ming-Teh Wang and Tao-Ming Cheng: <i>Allocating BIM Service Cost—A Taiwan Experience</i></p> </td> <td style="background-color: #f08080;"> <p>Tas Yong Koh, Steve Rowlinson and Stephen Pollock: <i>Dealing with Ageing Workforce in the Hong Kong Construction Industry: An Initial Exploration</i></p> </td> </tr> <tr> <td style="background-color: #90ee90;"> <p>Vladimir Križaić: <i>System Adjustments through Vector Organization and Technology</i></p> </td> <td style="background-color: #cccccc;"> <p>Walid Thabet and Jason Lucas: <i>Using Dynamo for Model-Based Delivery of Facility Asset Data</i></p> </td> <td style="background-color: #f08080;"> <p>Susana Callejas Sandoval and Soonwook Kwon: <i>Smart Wearable Technologies to Promote Safety in Aging Construction Labor</i></p> </td> </tr> <tr> <td style="background-color: #90ee90;"> <p>Dennis Ayodeji Adeitan, Clinton O. Aigbavboa, Emmanuel Emem-Obong Agbenyeku and Olufemi Sylvester Bamisaye: <i>Industry 4.0 and Construction Supply Chain Management</i></p> </td> <td style="background-color: #cccccc;"> <p>Yaya Pitti, Conrad Boton and Daniel Forgues: <i>Combining BIM and Last Planner on Construction Sites: An Investigation of the Related Challenges</i></p> </td> <td style="background-color: #f08080;"> <p>Nokulunga Mashwama, Wellington D. Thwala, and Clinton O. Aigbavboa: <i>Sustainable Construction Practices Challenges- A Stakeholders Perspective</i></p> </td> </tr> </table>	<p>Creative Management: István Vidovszky <i>Lecture room: Magnolia</i></p>	<p>Visualization, BIM: Borja Garcia de Soto <i>Lecture room: Jasmine I.</i></p>	<p>Sustainable Construction, Health and Safety: John J. Smallwood <i>Lecture room: Jasmine II.</i></p>	<p>Hsien-Kuan Chang, Wen-Der Yu, Yuan-Yu Hsu, Shao-Tsai Cheng and Kwo-Wuu Wang: <i>A Novel Model for Contractor Selection Decision</i></p>	<p>Somin Park, Francis Baek, Jiu Sohn and Hyoungkwan Kim: <i>Deep Learning-based Vehicle Image Matching for Flooding Damage Estimation</i></p>	<p>Ezgi Kocaman, Merve Kuru and Gulben Calis: <i>Do Thermal Comfort Standards Ensure Occupant Satisfaction? Learning From Occupants' Thermal Complaints</i></p>	<p>Gozde Bilgin, Gorkem Eken, Beste Ozyurt, Irem Dikmen, M. Talat Birgonul and Beliz Ozorhon: <i>Validation of Support Tools for Project Management: Case of COPPMAN</i></p>	<p>Panagiotis Spyridis, Marvin Hoepfner, Mike Gralla, Lisa Theresa Lenz and Kai Christian Weist: <i>Lifecycle Design of Fastening Systems in Concrete Supported by BIM: Case Study Subsequent Assembly of an Industrial Robot</i></p>	<p>Subhav Singh, Saurav Dixit and Kaaraayarthi Sharma: <i>Approaches to Improve the Quality of Workplace Built Environment</i></p>	<p>Gul Polat, Harun Turkoglu, Atilla Damci and Firat Dogu Akin: <i>Improved Unbalanced Bid Detection Model</i></p>	<p>Hsien-Kuan Chang, Wen-Der Yu, Ming-Teh Wang and Tao-Ming Cheng: <i>Allocating BIM Service Cost—A Taiwan Experience</i></p>	<p>Tas Yong Koh, Steve Rowlinson and Stephen Pollock: <i>Dealing with Ageing Workforce in the Hong Kong Construction Industry: An Initial Exploration</i></p>	<p>Vladimir Križaić: <i>System Adjustments through Vector Organization and Technology</i></p>	<p>Walid Thabet and Jason Lucas: <i>Using Dynamo for Model-Based Delivery of Facility Asset Data</i></p>	<p>Susana Callejas Sandoval and Soonwook Kwon: <i>Smart Wearable Technologies to Promote Safety in Aging Construction Labor</i></p>	<p>Dennis Ayodeji Adeitan, Clinton O. Aigbavboa, Emmanuel Emem-Obong Agbenyeku and Olufemi Sylvester Bamisaye: <i>Industry 4.0 and Construction Supply Chain Management</i></p>	<p>Yaya Pitti, Conrad Boton and Daniel Forgues: <i>Combining BIM and Last Planner on Construction Sites: An Investigation of the Related Challenges</i></p>	<p>Nokulunga Mashwama, Wellington D. Thwala, and Clinton O. Aigbavboa: <i>Sustainable Construction Practices Challenges- A Stakeholders Perspective</i></p>
<p>Creative Management: István Vidovszky <i>Lecture room: Magnolia</i></p>	<p>Visualization, BIM: Borja Garcia de Soto <i>Lecture room: Jasmine I.</i></p>	<p>Sustainable Construction, Health and Safety: John J. Smallwood <i>Lecture room: Jasmine II.</i></p>																		
<p>Hsien-Kuan Chang, Wen-Der Yu, Yuan-Yu Hsu, Shao-Tsai Cheng and Kwo-Wuu Wang: <i>A Novel Model for Contractor Selection Decision</i></p>	<p>Somin Park, Francis Baek, Jiu Sohn and Hyoungkwan Kim: <i>Deep Learning-based Vehicle Image Matching for Flooding Damage Estimation</i></p>	<p>Ezgi Kocaman, Merve Kuru and Gulben Calis: <i>Do Thermal Comfort Standards Ensure Occupant Satisfaction? Learning From Occupants' Thermal Complaints</i></p>																		
<p>Gozde Bilgin, Gorkem Eken, Beste Ozyurt, Irem Dikmen, M. Talat Birgonul and Beliz Ozorhon: <i>Validation of Support Tools for Project Management: Case of COPPMAN</i></p>	<p>Panagiotis Spyridis, Marvin Hoepfner, Mike Gralla, Lisa Theresa Lenz and Kai Christian Weist: <i>Lifecycle Design of Fastening Systems in Concrete Supported by BIM: Case Study Subsequent Assembly of an Industrial Robot</i></p>	<p>Subhav Singh, Saurav Dixit and Kaaraayarthi Sharma: <i>Approaches to Improve the Quality of Workplace Built Environment</i></p>																		
<p>Gul Polat, Harun Turkoglu, Atilla Damci and Firat Dogu Akin: <i>Improved Unbalanced Bid Detection Model</i></p>	<p>Hsien-Kuan Chang, Wen-Der Yu, Ming-Teh Wang and Tao-Ming Cheng: <i>Allocating BIM Service Cost—A Taiwan Experience</i></p>	<p>Tas Yong Koh, Steve Rowlinson and Stephen Pollock: <i>Dealing with Ageing Workforce in the Hong Kong Construction Industry: An Initial Exploration</i></p>																		
<p>Vladimir Križaić: <i>System Adjustments through Vector Organization and Technology</i></p>	<p>Walid Thabet and Jason Lucas: <i>Using Dynamo for Model-Based Delivery of Facility Asset Data</i></p>	<p>Susana Callejas Sandoval and Soonwook Kwon: <i>Smart Wearable Technologies to Promote Safety in Aging Construction Labor</i></p>																		
<p>Dennis Ayodeji Adeitan, Clinton O. Aigbavboa, Emmanuel Emem-Obong Agbenyeku and Olufemi Sylvester Bamisaye: <i>Industry 4.0 and Construction Supply Chain Management</i></p>	<p>Yaya Pitti, Conrad Boton and Daniel Forgues: <i>Combining BIM and Last Planner on Construction Sites: An Investigation of the Related Challenges</i></p>	<p>Nokulunga Mashwama, Wellington D. Thwala, and Clinton O. Aigbavboa: <i>Sustainable Construction Practices Challenges- A Stakeholders Perspective</i></p>																		
12:30	13:45	Lunch																		

Sunday - 30 June 2019

13:45	14:30	Keynote Speech 2 Prof. John J. Smallwood: Preventing the Collapse of Reinforced Concrete (RC) Structures, and Support Work During Construction <i>Lecture room: Magnolia</i>		
14:30	14:45	Disperse to sessions		
14:45	15:45	Creative Management: István Hajnal <i>Lecture room: Magnolia</i>	Automation and Robotics in Construction: Mirosław Jan Skibniewski <i>Lecture room: Jasmine I.</i>	Sustainable Construction, Health Safety: Wen-der Yu <i>Lecture room: Jasmine II.</i>
		Mansur Hamma-adama and Tahar Kouider: <i>What are the Barriers and Drivers toward BIM Adoption in Nigeria?</i>	Shiyao Cai, Zhiliang Ma, Mirosław J. Skibniewski and Song Bao: <i>Development Priorities and Key Challenges of Automation and Robotics in High-Rise Building Construction</i>	April E. Simons, Lauren W. Redden and Matthew Tibbs: <i>Safety Culture of the Herbert Hoover Dike Contractors</i>
		Mariela Sjekavica Klepo and Mladen Radujković: <i>Usage of Project Management Methods, Tools and Techniques in Infrastructure Projects</i>	Sławomir Czarnecki, Łukasz Sadowski and Jerzy Hoła: <i>Identification of the Interlayer Bond Between Repair Overlay and Concrete Using Nondestructive Testing, an Artificial Neural Network and Principal Component Analysis</i>	Merve Kuru and Gulben Calis: <i>Forecasting Heating Degree Days for Energy Demand Modeling</i>
		Richard Watson, Mohamad Kassem and Jennifer Li: <i>Traceability for Built Assets: Proposed Framework for a Digital Record</i>	Sang Gyu Lee and Mirosław J. Skibniewski: <i>Monitoring of Concrete Placement and Vibration for Real-Time Quality Control</i>	John J. Smallwood: <i>Clients and Construction Health and Safety (H&S)</i>
		Isolda Agustí-Juan, Jacqueline Glass and Vijay Pawar: <i>A Balanced Scorecard for Assessing Automation in Construction</i>	Alexey Bulgakov, Tatiana Kruglova and Thomas Bock: <i>Fuzzy Logic and Neural Networks for Insulation Fault Diagnosis in Construction Robots Drives</i>	Omkar Gadgil and Keith A. Rahn: <i>Assessment of Emerging Cooling Technologies by Analyzing their Impact on Reducing the Power Usage Effectiveness Ratio of Data Centers</i>
15:45	16:30	Coffee break with posters		

Sunday – 30 June 2019

16:30	17:45	Creative Management: István Hajnal <i>Lecture room: Magnolia</i>	Visualization, BIM: Miklós Hajdu <i>Lecture room: Jasmine I.</i>	Sustainable Construction, Health and Safety: John J. Smallwood <i>Lecture room: Jasmine II.</i>
		Sadegh Asgari and Amr Kandil: <i>Impact of Bonding Capacity on Performance of Construction Contractors and Market</i>	Bikash Lamsal and Kyosuke Kunichika: <i>Development of an AR System for the Advancement of the Tasks in the Construction Sites</i>	Mathieu Dupuis, Alain April and Daniel Forgues: <i>Analyzing BIM Interoperability for LCA Purposes</i>
		Naimish Bhatt, Karan Gothi, Smit Sardhara and Debasis Sarkar: <i>Conformance Evaluation of Lean Integrated Project Delivery (LIPD) for Indian Construction Industry</i>	Walid Thabet and Dan Miller: <i>Linking Revit Facility Life-Cycle Data to ARCHIBUS – A Case Study of an Academic Institution</i>	Jiajing Liu, Hanbin Luo and Wenjin Zhang: <i>An Overview of Real-time Occupancy Information Acquisition Method for Demand-driven Building Energy Management</i>
		Saurav Dixit and Subhav Singh: <i>Urban Consolidation Centre – In Context with Construction Consolidation Centre a Comparative Analysis</i>	Christian Nordahl Rolfsen, Ann Karina Lassen, Mohamed Mohamed, Adnan Shakari and Homayoun Yosef: <i>On-site Quality Assurance: Moving from Forms to Digital Capture</i>	Aakash Patel, Dhruv Ghodasara, Nimish Bhatt and Anurag Kandya: <i>Energy Retrofitting of a Commercial Building Towards a “Net Zero Energy Building” by Simulation Model</i>
		Mathieu Fokwa Soh, Daniel Barbeau, Sylvie Dore and Daniel Forgues: <i>Toward a Qualitative RFIs Content Analysis Approach to Improve Collaboration between Design and Construction Phases</i>	Byungjoo Choi, Gaang Lee, Houtan Jebelli, SangHyun Lee: <i>Assessing Workers’ Perceived Risk During Construction Task Using a Wristband-Type Biosensor</i>	Yuzhong Shen, Jiawen Han, Jiemin Zhang, Zengzhong Wang, Xinghai Chen, Zhizhou Xu, Jingjing Kong, Xingxiang Zhao, Steve Rowlinson: <i>Social Identity, Safety Climate and Safety Behavior Among Mine Construction Workers</i>
		Douglas Aghimien, Clinton O. Aigbavboa, Fernando Gomes and Wellington D. Thwala: <i>Barriers to Knowledge Management in Small and Medium Construction Companies in South Africa</i>	Kun-Chi Wang and Mirosław Jan Skibniewski: <i>Feasibility Study of Integrating BIM and 3D Printing to Support Building Construction</i>	Simon Ofori Ametepoy, Clinton O. Aigbavboa and Wellington D. Thwala: <i>Assessment of the Use of Delphi Technique in Sustainable Infrastructure Development Research</i>

Monday - 1 July 2019

8:15	9:00	Keynote Speech 3 Prof. Wen-der Yu: How Artificial Intelligence Will Shape the Future of Construction <i>Lecture room: Magnolia</i>		
9:00	9:15	Disperse to sessions		
9:15	10:15	Creative Management: Keith Rahn <i>Lecture room: Magnolia</i>	Visualization, BIM: Miklós Hajdu <i>Lecture room: Jasmine I.</i>	Creative Construction Technology and Materials: Levente Mályusz <i>Lecture room: Jasmine II.</i>
		Luis R. Fernandez, Giovanni C. Migliaccio and Richard J. Gebken: <i>Emergent Subcontracting Models and Owner Involvement in Selecting Subcontracting Strategies and Participants in the U.S. Construction Industry</i>	Souhail Elhouar, M. Ammar Alzarrad and Samar Elhouar: <i>A Synopsis of 3D Printing and Robotics Applications in Construction</i>	Paweł Niewiadomski and Jerzy Hoła: <i>Assessment of the Failure Process of Self-compacting Concrete Modified with SiO₂ Nanoparticles by Acoustic Emission Method</i>
		Orsolya Bokor, Laura Florez, Barry Gledson and Allan Osborne: <i>Input for Hybrid Simulation Modelling Construction Operations</i>	M. Ammar Alzarrad and Souhail Elhouar: <i>3D Printing Applications in Construction from the Past and into the Future</i>	Lauren W. Redden, April E. Simons and Paul D. Salinas: <i>Radiant Wall Cooling for Sheltered Structures in Underdeveloped Countries in Extreme Climates</i>
		Žiga Turk, Robert Klinc and Zhiliang Ma: <i>Towards a Parsimonious Information Management for Energy Retrofitting of Buildings</i>	Dimosthenis Kifokeris, Mattias Roupé, Mikael Johansson and Christian Koch: <i>Building Information Models' Data for Machine Learning Systems in Construction Management</i>	Anna Stefańska, Ewelina Gawell and Wiesław Rokicki: <i>The Delunay Triangulation in the Design of Architectural Gridshells</i>
		Niclas Andersson and Jerker Lessing: <i>Industrialized and Project-based Construction - Standards Versus Business Models</i>	Pillay Nischolan, Trynos Gumbo and Innocent Musonda: <i>Discovering the Level of BIM Implementation at South African Architecture Schools: A Qualitative Study</i>	Subhav Singh, Saurav Dixit and Kaaraayaarathi Sharma: <i>A Review of Studies in Structural Health Monitoring (SHM)</i>
10:15	10:45	Coffee break with posters		

Monday - 1 July 2019

10:45	12:00	Creative Management: Žiga Turk <i>Lecture room: Magnolia</i>	Visualization, BIM: Orsolya Bokor <i>Lecture room: Jasmine I.</i>	Creative Construction Technology and Materials: István Hajnal <i>Lecture room: Jasmine II.</i>
		Alon Uralainis and Igal M. Shohet: <i>Probabilistic Risk Appraisal and Mitigation of Critical Infrastructures for Seismic Extreme Events</i>	Anthony Okakpu, Ali GhaffarianHoseini, John Tookey, Jarrod Haar, Amirhosein Ghaffarianhoseini, Tongrui Zhan and Okechukwu Nwadiob: <i>Simulating Interaction Dynamics of Refurbishment Project Stakeholders through Agent-based Modeling Towards Enhancing BIM Adoption Effectiveness</i>	Nina Juzwa and Jakub Świerzawski: <i>Creative Construction and Simplicity of Form</i>
		Edgar P. Small, Johnathan Hendricks and Katie Woodacre: <i>Effectiveness of Drone-Based Photogrammetry for On-site Quantity Assessment</i>	Fotios C. Tsoukalis and Athanasios P. Chassiakos: <i>Building Information Modeling (BIM) for Safety Risk Identification in Construction Projects</i>	István Vidovszky: <i>The Impact of Material and Technology on the Design of Wrought Iron Building Structures</i>
		Ahmed Senouci, Sriram Sekar, SeyedAmirhesam Khalafi and Neil Eldin: <i>Current Supply Chain Management in Construction Industry</i>	Darren Olsen, Jeffrey Kim and J. Mark Taylor: <i>Using Augmented Reality for Masonry and Concrete Embed Coordination</i>	Scott W. Kramer, Matthew Kilmer and Keith Rahn: <i>Variable Refrigerant Flow Systems on USACE Projects</i>
		Luming Shang and Giovanni C. Migliaccio: <i>Implementing Progressive Design Build, A Case Study: UW West Campus Utility Plant</i>	Ahmed Louay Ahmed and Mohamad Kassem: <i>Micro BIM Adoption: Identifying Cause and Effect Factors and Analysing their Inter-dependencies Using a Fuzzy DEMATEL Approach</i>	Evan Taylor and Anoop Sattineni: <i>Skilled Electrical Labor Issues in the Mid-Western United States</i>
		Nokulunga Mashwama, Wellington D. Thwala and Clinton O. Aigbavboa: <i>The Impact of Construction Dispute on Projects in the Mpumalanga Province of South Africa</i>	Innocent Musonda and Nischolan Pillay: <i>Using UAV's and BIM Integration to Improve Infrastructure Delivery – A Case of Gauteng Department of Infrastructure Development, South Africa</i>	Philip Street and Paul W. Holley: <i>Alkalinity of Concrete Washout Water: A Pilot to Determine Jobsite Conditions for Potential Neutralization</i>
12:00	13:15	Lunch		

Monday - 1 July 2019

13:15	14:00	Keynote Speech 4 Attila Sághi: Quality, Innovation and Environment Protection at Europe's Largest Cultural Development Project <i>Lecture room: Magnolia p18</i>		
14:00	14:15	Disperse to sessions		
14:15	15:30	Creative Management: Zoltán Sebestyén <i>Lecture room: Magnolia</i>	Visualization, BIM: István Vidovszky <i>Lecture room: Jasmine I.</i>	Creative Scheduling Miklós Hajdu <i>Lecture room: Jasmine II.</i>
		Edgar P. Small, Lu'ay Ayyash and Khaled AlHamouri: <i>Evaluating Performance of TQM Management in Mechanical Construction in the UAE</i>	Elodie Hochscheid and Gilles Halin: <i>Micro BIM Adoption in Design Firms: Guidelines for Doing a BIM Implementation Plan</i>	Zoltán A. Vattai, Levente Mályusz and Miklós Hajdu: <i>Negative Weights in the Network Time Model</i>
		Igal M. Shohet and Shlomi Levi: <i>Performance Based Maintenance of Multi Campus Critical Facilities</i>	Yanga Wu and Hedley Smyth: <i>Old Wine in New Bottle? A Study of Routine Change in Construction Firms with BIM Implementation</i>	Atila Damci, Gul Polat, Firat Dogu Akin and Harun Turkoglu: <i>Resource Levelling with Float Consumption Rate</i>
		Saurav Dixit and Kaaraayaarathi Sharma: <i>Factors Influencing Construction Time Delay on High Rise Projects in India</i>	Dhruv Ghodasara, Aakash Patel, Naimish Bhatt and Tejas Thaker: <i>Application of Building Information Modeling in Facility Management: A Case Study of a Commercial Project</i>	K. Joseph Shrestha, Chau Le, Hyungseok David Jeong and Tuyen Le: <i>Mining Daily Work Report Data for Detecting Patterns of Construction Sequences</i>
		Panagiotis Spyridis, Arnim J. Spengler, Dirk Schlüter, Tobias Bruckmann and Alexander Malkwitz: <i>Examination of Advanced Fastening Systems for the Use of Robots in the Construction Industry</i>	Anthony Okakpu, Ali GhaffarianHoseini, John Tookey, Jarrod Haar, Amirhosein Ghaffarianhoseini, Attiq Rehman, Tongrui Zhang and Dat Tien Doa: <i>Rethinking the Complex Refurbishment Project Attributes for Building Information Modelling (BIM) Adoption</i>	Calin Boje, Veronika Bolshakova, Annie Guerriero, Sylvain Kubicki and Gilles Halin: <i>Ontology Assisted Collaboration Sessions on 4D BIM</i>
		Innocent Musonda: <i>The Strategic Application of Building Information Modelling (BIM) to the Role of Construction Project Management</i>		J. Mark Taylor: <i>Economic Based Limited Resource Scheduling Algorithm</i>
15:30	16:00	Coffee break with posters		

Monday - 1 July 2019

16:00	17:30	Creative Management: Edgar P. Small <i>Lecture room: Magnolia</i>	Creative Management: Saurav Dixit <i>Lecture room: Jasmine I.</i>	Creative Scheduling: Zoltán Vattai <i>Lecture room: Jasmine II.</i>
		Thippawan Boonyaperm: <i>Competitive Strategies of Thai Contractors in Construction Project Management in the CLMV Countries</i>	Magdalena Bochenek: <i>The Mind Mapping Technique in Project Management</i>	Niloofar Montazeri and Ali Touran: <i>Applied Decision-making Framework for Maintenance Scheduling in Bridge Management</i>
		Phil Barutha, H. David Jeong and Youngcheol Kang: <i>Comparison of Key Project Performance Indicators of Different Construction Sectors in Terms of Collaboration and Integration</i>	Jun Kim and Heesung Cha: <i>Design Criteria-Based Probabilistic Estimation Method for Aged Apartment Remodeling Projects in Korea</i>	Mamoon Mousa Atout: <i>Monitoring and Control Process of Construction Projects</i>
		Nikolaos Apostolidis and Kleopatra Petroutsatou: <i>Dynamic Planning of Construction Site</i>	Jinjing Ke , Jiayu Chen and Xiaowei Luo: <i>Monitoring Distraction of Construction Workers Using a Wearable Electroencephalography (EEG) Device</i>	Athanasios P. Chassiakos , Marialena Koptopoulou and Stavroula P. Deligianni: <i>Resource-constrained Scheduling in Repetitive Projects</i>
		Chioma Okoro and Innocent Musonda: <i>The Future Role of Facilities Managers in an Era of Industry 4.0</i>	Siddharth Banerjee , Edward J. Jaselskis, Abdullah F. Alsharef, Clare E. Fullerton and Alyson W. Tamer: <i>Developing A Lessons Learned Database for NCDOT Projects Using Design for Six Sigma (DFSS) Approach</i>	Mohammad Rahal and Hiam Khoury: <i>A Mathematical Model for Quantifying Workers' Learning Range on Repetitive Construction Projects</i>
		Murendeni Liphadzi , Clinton O. Aigbavboa, Wellington D. Thwala and Titus Kwofie: <i>Construction Experts' Perceptions on the Influence of Emotional Intelligence on Leadership Development</i>	Hadif Alsuwaidi and Senthilkumar Venkatachalam: <i>Process Reengineering using Activity Theory and Domain Mapping Matrix Method in Delivering Public Construction Projects</i>	Levente Mályusz , Miklós Hajdu and Zoltán A. Vattai: <i>Comparison of Different Modified Shortest Path Algorithms for Traditional and Newly Developed CPM Networks: A Case Study</i>
		Attila Pémm: <i>Construction Site Layout Problems (CSLPs) on Portfolio Level: A Case Study</i>	Ákos Mázsza: <i>Constructions of Liget Budapest Project: Unusual Solutions</i>	Miklós Hajdu , Levente Mályusz and Zoltán A. Vattai: <i>Preliminary Results on the Time Analysis of Project Networks with or Relationships</i>
19:00	23:00	Gala Dinner - Öbölház (Bay House) Event Centre		