Sunday - June 15 2025

8:20 8:30			
8:20 8:30 8:30 9:20	Opening ceremony Keynote speech Miroslaw Skibniewski: Construction 5.0: origins and implications for the future of the industry		
9:20 9:30 9:30 10:50	Dispers to Sessions Creative Management: Miklos Hajdu Sustainable Construction, Health Safely: Ziga Turk Automation and Robotics in Construction: Miroslaw Skibniewski		
	Seungwon Baek, Hongjo Kim, Tae-Hyun Kyung, Min-Wung Kim, Jiju Ahn: From digitization to digital transformation in infrastructure asset management: Challanges and future direction	Ximena Ferrada, Felipa Herrera, Jorge Contreras, Claudia Valderrama-Ulloa: Lifestyle and health promotion among Chilean construction workers: A study based on the health-promoting lifestyle profile II	Peter Goelzhaeuser, Anna Smirnova, Raquel Valles, Jan-two Jškel, Sabine Hartmann, Katherina Klemt-Albert: Analysiss of Al-based evaluation methods of technical drawwing in the econtext of semantic enrichment of 3D model
	transformation in infrastructure asset management: Chairanges and nuture direction Anja Brelih, Aleksandar Srdić, Robert Klinc: Evaluation of privacy and security measures when using LLMs for	among Liniean construction workers: A study desection the health-promoting inestyle profile if Leonie Grosse-Wilde, Sven Mackenbach, Katharina Klemt-Albert: Identifying the Potential of Visual	Analysiss of Al-based evaluation methods of technical grawwing in the econtext of semantic enformment of 30 model. Muhammad Anas Gopee, Samuel A Prieto, Borja García de Sotos. Enhancing human-maxhine interaction width on
	Anga bream, Alexasmoar Stoic, Nobert Ninc. Evaluation or privacy and security measures when using LLMs for construction management	Leonie Grosse-Winde, oven Mackenbach, Astrainna Niemt-Albert: Identifying the Potential of Visual Programming For Integrating Building Information Modeling and Life Cycle Assessment	munammad Anas Gope, Samuel A Prieto, Borja Garcia de Soto: Ennancing numar-maximie interaction wwith on device large language models in construction robotics: A case study on safety
	Agata Czamigowska, Michał Tomczak: Construction cost contingency planning: still an art o raiready a science?	Michelle Kaus, Charlotte Bartos, Sven Mackenbach, Katharina Klemt-Albert: Approach for semantic enrichment and validation of digital bridge models in sustainability assessment	Hanbin Luo, Xe Chen, <u>Rubio Hu</u> : Physics-Data Modeling for Enhanced Performance of Automated Construction System
	Saurav Dielt, Harshit Kumar, Priyanka Singh: Mechanical and microstructural properties of rubberized geopolymer concrete: Modeling and optimization	future	Aci Tarutani, Himuro Fuku: Zero-Shot Object Detection and Segmentation for Construction Sites Through Multi-Mode Integration
0:50 11:20 1:20 12:40	Creative Management: Ximena Ferrada	Coffee Break Sustainable Construction, Health Safety: Igal M. Shohet	Automation and Robotics in Construction: Miroslaw Skibniewski
	<u>Carl Philipp Friedinger</u> , Philip Sander: Digital process management in mega-projects with the software DigiCon	Hoyoung Lee, Tae Wan Kim: Automated classification of construction workers' walking-related accidents in accident case database	<u>Jonathan Matthei</u> , Sven Mackenbach, Katharian Klemt-Albert: Development of an analysis system for processing citizen objections
	Mamoon Atout: Necessity of integrating the principles of sustainable CPM knowledge for successful of design, execution andd deliver of construction	Gill Lifshitz Sherzer, Alon Urlainis, Igal M. Shohet: Time-dependent corrosion and seismic fragility: A framework for long-term risk mitigation	<u>Liavi Li,</u> Zhiliang Ma, Guangtai Lin: Identification of surface structural-layer in road construction using low-altitude U/ imagery
	István Hajnal: Market-compliant methods in the socialist real estate sector: A case study of past Hungary	Shervin Rahnama, Christian Richter, Jan-Iwo Jaekel, Christian Buergy, Katharina Klemt-Albert: Bild-based assessment of ecological, economic and social sustainability for planning without sustainability expertise	Muhammad Anas Gopes, Peihang Luo, Samuel A. Prieto, Erika Parn, Borja García de Soto, Ioannis Brilakis: LLM. Driven Human-Robot Interaction with Digital Twins for Facility Management
2:40 13:40	Telas Gupta, Chirag Kothari, Sudhir Misra: Holistic approach for risk assessment of infrastructure projects: Case study of Indian highway PPP projects	Kangrui Ren, Eren (M.) Shahrokhi, Ali Golabchi, Gaang Lee: Feasibility of an integrated multi-model approach for dynamic musculoskeletal disorder risk assesment Lunch	All Mansour, Amine Abou Khalil, <u>Hiam Khoury</u> Toward Spatial and Cognitive Human-Robot Interaction: A Game-Bas Simulation for Concrete 3D Printing in Construction
3:40 14:20 1:20 14:30		Keynote speech: Ziga Turk: IS OUR RESEARCH INTERESTING: A REFLECTION Disperse to sessions	
:30 15:50	Creative Management: Árpád Horváth	Sustainable Construction, Health Safety: Hiam Khoury	Automation and Robotics in Construction: Zhiliang Ma
	Zoltán Sebestyén, János Erdei, Gergely Lülök: Exploring the role of TCQ factors in economic project success	Haleh Sadeghi, Clara Cheung, Akilu Yunusa-Kaltungo, Patrick Manu: A systematic literature review on maturity models for industry 4.0 adoption to improve OSH in MMC	Alon Urlainis, Roee Levy, Shabtai Isaac: Synergizing Building Data and Seismic Risk: An Automated BIM-Based Desig Approach
	Mahnaz Hassanpour, Jaqueline Gomes, Amin Khoshkenar, <u>Hala Nassereddine</u> : Integrating artifical intelligence into construction: Challanges, benefits and strategies	Lukasz Sadowski, Maciej Marut: Drones and remote sensing for non-destructive testing of marine concrete structures in the Baltic sea	Samuel A. Prieto, <u>Muhammad Anas Gopee</u> , Juan Diego Castaño, Mohamed Benaich, Uday Menon, Borja García d Soto: Robotic systems for autonomous data aacquisition in construction: A case study
	Hong Jawon, Baek Seungwon, Lee Sanghyun, Han Seungheon: Exploring social conflict spread patterns for public railway projects using natural language processing	Fadi Shahin, Roi Naveh, Igal M. Shohet: Safety climate in high-rise construction	<u>Gelare Taherian</u> , Ehsan Rezazadeh Azar: Transforming vision-based indoor built environment management with fer shot learning
	Kyung-Eun Hwang, Inhan Kim: Enhancing smart urban regeneration with modular construction and circular economy strategies: Lessons from South Korean cases		Jihan Zhang, Duanqin Hong, Yijun Huang, Wenxing Hong, X <u>i Chen</u> , Ben M. Chen: Historical Building Roof Structure Extraction Based on UAV Hyperspectral Imagery Reconstruction
5:50 16:20 5:20 17:40	Creative Management: István Hainal	Coffee Break Sustainable Construction, Health Safety: Hiam Khoury	Automation and Robotics in Construction: Miroslaw Skibniewski
	Amin Khohkenar, Hala Nassereddine: Enhancing state DOTS esset data maturaty evaluation: Developing a digital twin-based framework Andrew Shaw: Health-centric retrofitting in built environments: A systematic review of sustainable practices and twin-based framework Andrew Shaw: Health-centric retrofitting in built environments: A systematic review of sustainable practices and twin-based framework Minimoo Jeong, Taegeon Kim, Seokhwan Kim, Kibang pages Kim, Seokhwan Kim, Seo		
	<u>Christian Koch</u> , Nicolaj Frederiksen: Public civil engineerig projects - beter than their reputation?	Younga Shin, Kichang Choi, Yeonjoo Kim, Hongjo Kim: Comparative Analysis of Short-Term Water Level Forecastine in Ungaused River Systems	Lingue Wu, Anja P. R. Lauer: A Lashing-Mortise-Tenon Timber Joint for Automatic On-Site Assembly
	Bikash Lamsal, Masato Oka, Toki Ryota, Matteo Sardellitti, Bimal Kumar KC, Naofumi Matsumoto: Development of a construction site's photo management and site inspection application using smartphone based indoor	Gal Shany, Ornai David, Levy Robert, Igal M. Shohet: Integrated fragility of underground critical infrastructures exposed to blast events	Feyzullah Yavan, Reza Maleek: Sketch-to-BIM: Enhancing the dynamo based automated truss design optimization workflow
ı	positioning and localization technology in a non-GPS environment.	Michal Tomczak. Agata Czarnigowska: Testing strategies of climate change adaptation of buildings	Ayra Ighal Khan, Priyanka Singh, Saurav Dixit: Estimation of capacity and level of service of different weaving segments: A sustainable approach
		Monday - June 16, 2025	
:30 8:40 :40 10:00	Creative Management: Zoltán Sebestyén	Disperse to sessions Sustainable Construction, Health Safety: Igal Shohet	Creative construction technology and materials: Zhiliang Ma
	<u>Frederica Madaschi</u> , Alessio Cocchiara, Marco Lorenzo Trani: Standardizing construction site equipment data: An IFC-compatible framework	Zuzanna Woźniak, Tomasz Nowobilski, Bożena Hol, Krzysztof Trybuszewski, Marta Stolarz: Application of machine learning algorithms in identifying falls in the workplace	Pawel Niewiadomski, Jerzy Łątka: Research and structural design of small residential unit made of paper-based products
	Frederica Madaschi, Cassandro Jacopo, Claudio Mirarchi, Marco Lorenzo Trani: Enhancing construction safety management: Structuring and integration of data through IFC	Rizwan U. Farooqui, Syed Muhammad Yasir Ashrafi, <u>Syed M. Ahmed</u> : Impact of emerging technologies on construction safety performance: A review	Mohamed AbdelRaheem, <u>Tabatha Herzig</u> , Daniel J. Weeks: Enhancing Concrete Performance with Silicon Carbide Innovations and Future Prospects
	<u>Christoph Mönicks</u> , Sabrian Puslat: From data diversity to norms: Standardization strategies for construction logistics	María A. Mena, <u>Ximena Ferrada</u> , Claudia Valderrama-Ulloa, Felipe Herrera: Women's participation in civil engineering: Challenges and opportunities in the construction industry	Mohamed AbdelRaheem, Enrique Chirino: Further investigation of red mud utilization in high-strenght concrete mixtures
	Bin Tang, Hanbin Luo: Computer vision and large language model-based safety management for construction project sites	Claudia Valderrama-Ulloa, Jorge Contreras, Felipe Herrera, <u>Ximena Ferrada</u> : impact of musculoskeletal disorders in construction: assessment and improvement strategies	Önder Halis Bettemir, Käzım Türk: Assessment of Self Compacting Concrete Tests by Image Analysis
0:00 10:30 0:30 11:50		Coffee Break	
	Creative Management: Boria Garcia de Soto	Sustainable Construction, Health Safety: Igal Shohet	Creative construction technology and materials: Mark Tatum
11:50	Creative Management: Borja Garcia de Soto <u>Liuving Zhu</u> , Ding Yi, Wang Jialong: Unveiling the Trust Journey in Construction Projects: Insights from the Contractor's Perspective	Sustainable Construction, Health Safety: Igal Shohet Bernard Martin Arthur-Aidoo, <u>Micheal Okae Addow</u> : Essential Determinants of Effective Health and Safety Performance Management on Construction Sites	Creative construction technology and materials: Mark Tatum Miao Liu, Hanbin Luo, Xu Chen: Bio-inspired microbial cementation: Organic additives enhancing bio-based construction materials
11:50	Livying Zhu, Ding Yi, Wang Jialong: Unveiling the Trust Journey in Construction Projects: Insights from the Contractor's Perspective Yadi Li, Yan Ning, Ning Sun, Jinfeng She: How organizational control and time pressure jointly affect design	Bemard Martin Arthur-Aidoo, <u>Micheal Okae Addow</u> : Essential Determinants of Effective Health and Safety Performance Management on Construction Sites <u>Jake Zhang</u> , Hanbin Luo, Shiping Liu: Stageed refined restoration framework of architectural heritage damaged	Miao Liu, Hanbin Luo, Xu Chen: Bio-impired microbial cementation: Organic additives enhancing bio-based construction materials Mark Tatum, Jennie Prange: A Comparative Analysis of Hydro Excavation and Vacuum Truck Technology Versus
11:30	Linying Zhu, Ding Yi, Wang Jialong: Unveiling the Trost Journey in Construction Projects: Insights from the Contractor's Perspective Yadi Li, Yan Ning, Ning Sun, Jinleng She: How organizational control and time pressure jointly affect design creativity: A configuration analysis	Bernard Martin Arthur-Aidoo, <u>Micheal Okae Addow</u> : Essential Determinants of Effective Health and Safety Performance Management on Construction Sites <u>National Construction of the Cons</u>	Miso Liu, Manbin Luo, Xu Chen: Bio-impired microbial comentation: Organic additives enhancing bio-based construction materials construction materials Mark Tatum, Jennie Prange: A Comparative Analysis of Hydro Excavation and Vacuum Truck Technology Versus Traditional Methods
41:50	Livring Zhu, Ding Yi, Wang Jialong: Unveiling the Trust Journey in Construction Projects: Insights from the Contractor's Perspective Yadi Li, Yan Ning, Ning Sun, Jinfeng She. How organizational control and time pressure jointly affect design creativity: A configuration analysis Esquel Valles Gomes, Sabine Hartmann, Peter Gölchäuser, Hannach Neubaur, Hendrik Morgenstern, Katharina Klemt-Albert: Use cases for digital methods in proactive maintenance of sever infrastructure	Bernard Martin Arthur-Aidoo, <u>Micheal Okae Addow</u> : Essential Determinants of Effective Health and Safety Performance Management on Construction Sites <u>Nake Zhang</u> , Hanbin Luo, Shiping Liu. Stageed refined restoration framework of architectural heritage damaged executile of repeating patterns <u>Annoop Sattineni</u> , Ahmed Madhkoor, Keith Rahn: The effectiveness of using BIM in veterans administration hispital projects	Miao Liu, Hanbin Luo, Xu Chen: Bio-inspired microbial comentation: Organic additives enhancing bio-based construction materials Mark Talum, Jennie Prange: A Comparative Analysis of Hydro Ecovation and Vacuum Truck Technology Versus Traditional Methods Takahiro Nakamura, Takeshi Ishida, Tomohiro Yoshida. Study on lifting and demolition method using diagonal slacutting method
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Moungin Chae, Youngi Hong, Cho Jaeho: Location-based Last Job Risk Assessment and Real-time Fall Alerts

Duing Geolencing

Zolida Sebestylen Lillök, Gergehy, Vlassov, Artiv: Simplification and Optimization of Project Structures Based on
Precedence-Contratined Knapsack Problem

Shulle Xu, Zhongnan Ye, Xiaoyi Liu, Shu-Chien MSU: BiM-LCA Integrated Environmental Evaluation for Sustainable
Hospital Construction

Jamuy Zhou, Zhilliang Ma: Framework design of datasets for multi-modal common LLMs for building construction

Zoshary G. Kong, Jason Maximino C. Ongpeng, Vlachura Pearsupap, Generative Design for Site Layout
Optimization

Menyu Zhang, Shu-Chien Hau: Exploring the Driving Mechanisms of Carbon Emissions: A Multi-Factor and CrossIndustry Perspective Using Structural Equation Modeling

Oligyi Lillu: Analysis of the current situation and feasibility of remanufacturing solution in construction waste