

CITC - 13

PROGRAM TIMES & SPEAKER DETAILS

MONDAY, MAY 8, 2023

11:00	WORKSHOP 1: DELAY AND DISRUPTION Driver Trett	
12:30	LUNCH	
13:00	WORKSHOP 2: SMART GRIDS Webinar with Ballard Asare	
14:30	WORKSHOP 3: REALITY CAPTURE FOR BUILT ENVIRONMENTS Junshan Liu and Botai Li	
15:30	MEET THE DEAN Frank Spuij <i>Dean of HAN University of Applied Sciences - School of Built Environment</i>	
16:30	DRINKS & SNACKS WITH HAN UNIVERSITY OF APPLIED SCIENCES	
18:00	DINNER (ON YOUR OWN)	

TUESDAY, MAY 9, 2023

9:00	WELCOME Dr. Syed Ahmed & HAN University of Applied Sciences
9:15	KEYNOTE: LEADERSHIP IN CONSTRUCTION INDIVIDUAL AND COLLECTIVE IMPACTS ON CLIMATE CHANGE Khalid Siddiqi
9:45	SESSION 1 Session Chair: David Gunderson ID 8202 Mohsen Garshasby and Saeed Rokooei <i>Investigating Effectiveness of Construction Education in Collaborative Environments: Learning Within Discipline vs. Across Disciplines</i> ID 2367 Yang Yang and Bowen Zheng <i>Development of a Multi-life Cycle Assessment Framework for Temporary Modular Housing</i> ID 8804 Konstantinos Kounnas, Ezekiel Chinyio, Emmanuel Daniel and Nnaemeka Nwankwo <i>A Cypriot Perspective of the Impact of Procurement on Disputes</i> ID 5457 Matt Stevens and John Smolders <i>Examining One Root Cause of the Construction Industry's Problems: Significant Power Imbalances between Project Stakeholders Under Changing Economic Conditions</i>
10:45	COFFEE & TEA BREAK
11:15	SESSION 2 Session Chair: Mohsen Garshasby ID 8296 David Gunderson, Manideep Tummalapudi and Ninad Doke <i>Factors Contributing to Success: Self-Performing Framing and Drywall Scopes on a Construction Project</i> SESSION 2 CONTINUED ON NEXT PAGE

TUESDAY, MAY 9, 2023

	<p>ID 9519 Mark Kenneth Lindo, Zaide Rian Esbieto, Bryant Joshua Magtibay and Lance Kristian Nangel <i>Identifying the Limiting Factors in the Implementation of Prefabrication for Public Housing in the Philippines using Principal Component Analysis</i></p> <p>ID 3188 Ricky Lau, John Kwong, Albert Chan, M. W. Chan, Dennis Oppong, W. Q. Liu, Amos Darko and Michael Adabre <i>Development of a Cashflow Model for Monitoring Hospital Project Performance</i></p> <p>ID 6243 Poorang Piroozfar, Simon Boseley, Alex Judd, Andre Viljoen, Fadi Castronovo and Eric Farr <i>VR as a Collaborative Design Tool for Urban Gardening: An Alternative to Urban Map Walks Methodology</i></p> <p>ID 5569 Scott Oconnell, Hord Arsalan and Paul Hampton <i>Impact of Emerging Digital Technologies on Offsite Construction: Insights from Literature</i></p> <p>ID 747 Matt Stevens and John Smolders <i>A Regulatory Transformation Case Study in Construction: Past Tense and Future Perfect</i></p>
12:30	LUNCH
13:30	WELCOME: BRIDGET KIEVITS Member of Executive Board, HAN University of Applied Sciences
13:45	KEYNOTE: THE GRANT CHALLENGE OF KEEPING THE NETHERLANDS FUTURE PROOF Jeroen Rijke
14:30	SESSION 3 Session Chair: Hanane Bouhmoud ID 4872 Poorang Piroozfar, Alex Judd, Simon Boseley, Andre Viljoen, Fadi Castronovo and Eric Farr <i>Enhancing user experience through VR: Case of an urban gardening participatory design experimen</i> SESSION 3 CONTINUED ON NEXT PAGE

TUESDAY, MAY 9, 2023

	<p>ID 5502 Imran Mehmood, Heng Li, Shahnawaz Anwer and Waleed Umer <i>Machine learning-based recognition of mental fatigue in construction equipment operators using facial features</i></p> <p>ID 6286 Kleopatra Petroutsatou, Ilias Ladopoulos and Iason Kosmidis <i>Scientometric Analysis and Machine Learning as Tools for Predicting Construction Equipment's Economical Factors</i></p> <p>ID 8518 Angie Judith Garcia Martinez, Suresh Renukappa, Subashini Suresh, Victor J. Severino De La Cruz and Paul Hampton <i>Implementation of remote working in the Latin-American construction industry</i></p>
15:30	COFFEE & TEA BREAK
16:00	<p>SESSION 4 Session Chair: Kleopatra Petroutsatou</p> <p>ID 877 Vivek Sharma, Ayushi Raj Dua, Dhaval Gajjar and Harnish Sharma <i>Systematic Literature Review on Impact of Low slope vs. Steep Slope Roof Membrane Color on Energy Efficiency</i></p> <p>ID 8089 Stefan Sedivy <i>Identification of the most serious barriers slowing down the process of the construction sector transformation towards the Construction 4.0 platform</i></p> <p>ID 2000 Hanane Bouhmoud, Dalila Loudyi, Salman Azhar, Andrea Giordano and Mounia Farah <i>COVID19 impacts on BIM adoption, Challenges and Perspectives among AEC firms in Africa: Case of Morocco</i></p>
18:30	<p>PRE-DINNER DRINKS AT STADSVILLA SONSBECK ADDRESS: TELLEGENLAAN 3 & 4 6814 BT ARNHEM</p>
19:00	GALA DINNER (SAME LOCATION - STADSVILLA SONSBECK)

WEDNESDAY, MAY 10, 2023

9:00	WELCOME Dr. Syed Ahmed & HAN University of Applied Sciences
9:15	KEYNOTE: DEVELOPMENT OF A CASHFLOW MODEL FOR MONITORING HOSPITAL PROJECT PERFORMANCE Albert P.C. Chan
9:45	LIVE - SESSION 5 Session Chair: Poorang Piroozfar ID 3938 Salma Ahmed and Sameh El-Sayegh <i>Sustainability-Specific Criteria for The Selection of Project Delivery Methods</i> ID 6648 Vuthea Min, Kriengsak Panuwatwanich and Koji Matsumoto <i>Contractor's Controlling Factors Contributing to Effective Construction Waste Management in Building Construction</i> ID 7423 Frank Ghansah and Weisheng Lu <i>Critical Challenges of Quality Assurance of Cross-border Construction Logistics and Supply Chain During COVID-19 Pandemic: An International Expert Survey</i> ID 5398 Monde Manga and Fidelis Emuze <i>Prerequisites for Achieving Value For Money in the Eastern Cape Department of Transports' Roads Infrastructure delivery</i> ID 7626 Hord Arsalan and David Heesom <i>From Heritage BIM to Historic (Digital) Twins: A initial bibliometric analysis of subject coalescence for Architectural Heritage</i>
11:00	COFFEE & TEA BREAK

WEDNESDAY, MAY 10, 2023

11:30	<p>SESSION 6 Session Chair: Abid Nadeem</p> <p>ID 760 Joseph Kwame Ofori-Kuragu, Saul Humphrey and Mark Tree <i>Hindrances to the Uptake of Offsite Construction</i></p> <p>ID 9098 Lama Abumoeilak, Abdulla Al Zarooni, Alya Al Quraidi and Ghassan Abu Lebdeh <i>Dwellers' Perception of Choosing 3D-Printed Residential Units Over Conventional in the UAE: A Structural Equation Modeling Approach</i></p> <p>ID 9632 Nnaemeka Nwankwo, Dr. Emmanuel Daniel, Dr. Ezekiel Chinyio and Dr. Louis Gyoh <i>Exploring the Application of IOT for Energy Efficient Buildings in Nigeria. A Review</i></p> <p>ID 7758 Darren Benecke, Eric Simpeh and John Smallwood <i>The Use of Smart Contracts to Assist in Mitigating Payment Inefficiencies</i></p>
12:30	<p>LUNCH</p>
13:45	<p>KEYNOTE: THE EXTRAORDINARY TECHNICAL CHALLENGES OF A UNIQUE HISTORIC RESTORATION Eddy van Caulil RO</p>
14:30	<p>SESSION 7 Session Chair: Vivek Sharma</p> <p>ID 6723 Thabo Ndadi and John Smallwood <i>The Impact of Project Performance on the Image of the Construction Industry in Botswana</i></p> <p>ID 7483 Nuradil Zhanguatov and Abid Nadeem <i>Trombe Wall Performance in Multiple Climates: A Simulation Study</i></p> <p>SESSION 7 CONTINUED ON NEXT PAGE</p>

WEDNESDAY, MAY 10, 2023

	<p>ID 9632 Nnaemeka Nwankwo, Dr. Emmanuel Daniel, Dr. Ezekiel Chinyio and Dr.Louis Gyoh <i>Exploring the application of IOT for energy efficient buildings in Nigeria. A Review</i></p> <p>ID 6580 Dania Abuhalmeh, Ahmed Shahin, Yara Elenany and Salwa Beheiry <i>Material Passports for the End-of-Life Stage of Buildings: A Systematic Review of Benefits & Challenges</i></p> <p>ID 2928 Khalid Siddiqi and Daniel Branham <i>Profitable Development of Floodplain Parcels</i></p> <p>ID 2184 Lama Abumoeilak and Salwa Beheiry <i>Factors for Effective BIM Implementation: PEST and Analytic Hierarchy Process Approach for Sustainable Construction Decision-Making</i></p>
16:30	SNACKS & DRINKS AT HAN UNIVERSITY OF APPLIED SCIENCES
18:00	CITY TOUR ARNHEM (OPTIONAL) Startingpoint: Kerkplein 1, 6811 EB Arnhem
19:00	DINNER IN ARNHEM (ON YOUR OWN)

THURSDAY, MAY 11, 2023

8:45	TRANSFER TO EINDHOVEN - BUS LEAVES AT 08H45 Boarding point bus is in front off Hotel Haarhuis Address: Stationsplein 1, 6811 KG Arnhem
10:00	PROGRAM VERTIGO
12:00	LUNCH WITH VERTIGO
13:05	VISIT TO UNIVERSITY OF EINDHOVEN
14:20	FIRST 3D PRINTED HOME
16:00	3D PRINTED CONCRETE BRIDGE
16:45	TRANSFER TO ARNHEM
18:00	DINNER ARNHEM (ON YOUR OWN)