			Tuesday, August 20	
Session Time	Session Title	Presentation Type	Presentation Title	Presenters/Authors
7:30-8:00	Registration for workshop registrants and brief announcements from the conference chair Brandon Searle			Brandon Searle
8:00-12:30		Workshop-#1	Integration of Business Intelligence and Modular Construction for Affordable Homes in Canada with the Oxford Institute for Sustainable Development	Oxford Institute for Sustainable Development
		Workshop-#2	CSA standards and guidelines for modular construction with CSA Group	CSA Group
12:30-17:00		Workshop-#3	Design for Manufacture and Assembly (DfMA) with SEMA Software Technical tour of the new Engineering Commons, a brand new	SEMA Software
		Technical Tour	addition to Head Hall	UNB Capital Planning and Operations (CP&O)
17:00-18:30			BREAK	
18:30-23:30	<u> </u>		Welcome Reception	

			Wednesday, August 21	
Session Time	Session Title	Presentation Type	Presentation Title	Presenters/Authors
7:00-8:00		7,	Registration and breakfast	
8:00-8:15				Brandon Searle
		Welcome & Op	ening Remarks	Zhen Lei
				Dr. Paul Mazerolle
8:15-9:15	Plenary Session 1	Keynote Presentation	Keynote Presentation from Helena Lidelow, CTO of Volumetric	Helena Lidelow
			Building companies	
9:15-9:30			Coffee Break	
	Stream 1: Offsite Methods and	Academic Paper	Barriers to Offsite Construction Adoption In Jordan: An Exploratory	Hasan Badran, Mohammed Arif, Mahmood Alam, Mohammed Alaqad and
	Processes, focusing on innovative offsite		Factor Analysis	Rubina Islam
	manufacturing techniques, including	Academic Paper	Application of Off-site Principles for Small-scale Gold Mining	Deinsam Ogan, Tochukwu Moses and Komali Yenneti.
	prefabrication, panelized	Academic i apei	Optimization in the Built Environment	Demount Ogan, rochakwa rioses and komaa remieti.
	construction, modular construction, and		Optimization in the Balk Environment	
	industrialized construction, with the	Academic Paper	Structural performance of light-weight precast concrete wall panels	Nathan McNeill and Alan Lloyd.
	potential to revolutionize the industry.	,		,
		Academic Paper	An Energy-Efficient Variable Frequency Suction System for Floor-	Jinhua Chen, Siwei Chang, Zemin Lyu, Tong Hu and Wanyou Yang.
	Stream 2: Advanced Technologies in		Filing Robots Using a Fuzzy Logic Controller	
	Construction, focusing on innovative			
	applications of emerging technologies	Academic Paper	Development of an Intuitive Mixed Reality Human Robot Interaction	Damith Tennakoon, Mojgan Jadidi and Seyedreza Razavialavi.
	such as IoT, AI, 3D		Interface for Construction Applications	
	printing, robotics, reality capture, and			
9:30- 10:30	AR/VR, showcasing their potential to	Academic Paper	Robotic cell design and simulation system for cross-laminated	Jessica Janeth Cisneros González, Afia Rasool, Ying Hei Chui and Rafiq
3.30-10.30	transform the construction domain.		timber panel post-construction operations	Ahmad.
		Academic Paper	The Role of Human Dimension to Safe Working Condition in the	Ayodele Alejo, Clinton Aigbavboa, Douglas Aghimien
	Stream 3: People and Management in	Academic Paper	Construction Industry Offsite Manufacturing for Housing in Emerging Economies: An	Nenpin Dimka, Louis Gyoh, Emmanuel Daniel and Job Momoh
	Construction, focusing on human factors,	Academic raper	Evaluation of Current Implementation Levels	Nenpin Dillika, Louis Gyon, Emmanuet Daniet and Job Pionion
	collaboration, communication,		Evaluation of Guitent implementation Levels	
	education, training,			
	leadership, procurement, performance	Academic Paper	A Framework to Evaluate Regional Construction Hubs Establishment	Sahar Soltani, Duncan Maxwell and Lisa Giusti Gestri.
	modeling, innovation benchmarking, EDI,	Addadinio i apoi	77 Tamorron to Evaluate Hogistal Constitution Habb Establishment	Curial Sociality Danisary Identification Cloud Country
	sustainability, and regulatory frameworks			
		Case studies	Northumbria University, Newcastle	
			Bird Construction	
			Bird Construction Arctic Modular Homes Inc.	
10:30-11:00			Arctic Modular Homes Inc. (20 mins each) Coffee Break	
10:30-11:00		Academic Paper	Arctic Modular Homes Inc. (20 mins each)	Sibgat Mehedi, Jin Ouk Choi and Amrit Shahi.
10:30-11:00		Academic Paper	Arctic Modular Homes Inc. (20 mins each) Coffee Break	Sibgat Mehedi, Jin Ouk Choi and Amrit Shahi.
10:30-11:00	Stream 1: Offsite Methods and		Arctic Modular Homes Inc. (20 mins each)  Coffee Break  Smart Technologies for Modular Construction: A Review of Current Applications	
10:30-11:00	Stream 1 : Offsite Methods and Processes	Academic Paper Academic Paper	Arctic Modular Homes Inc. (20 mins each)  Coffee Break  Smart Technologies for Modular Construction: A Review of Current Applications  Double-Sided STS-CLT Connection for A Modularized Building	Sibgat Mehedi, Jin Ouk Choi and Amrit Shahi. Linchao Shen, Meng Gong, Alan Lloyd and Mohammad Mohammad.
10:30-11:00			Arctic Modular Homes Inc. (20 mins each)  Coffee Break  Smart Technologies for Modular Construction: A Review of Current Applications	
10:30-11:00			Arctic Modular Homes Inc. (20 mins each)  Coffee Break  Smart Technologies for Modular Construction: A Review of Current Applications  Double-Sided STS-CLT Connection for A Modularized Building System	
10:30-11:00		Academic Paper	Arctic Modular Homes Inc. (20 mins each)  Coffee Break  Smart Technologies for Modular Construction: A Review of Current Applications  Double-Sided STS-CLT Connection for A Modularized Building System	Linchao Shen, Meng Gong, Alan Lloyd and Mohammad Mohammad.
10:30-11:00	Processes	Academic Paper	Arctic Modular Homes Inc. (20 mins each)  Coffee Break  Smart Technologies for Modular Construction: A Review of Current Applications  Double-Sided STS-CLT Connection for A Modularized Building System  Analyzing Deformations in As-Found Buildings for Accommodation in	Linchao Shen, Meng Gong, Alan Lloyd and Mohammad Mohammad.  Kristine Prochnau, Simone Fallica, Stephen Fai, Michael Jemtrud and Jessica
10:30-11:00	Processes Stream 2: Advanced Technologies in	Academic Paper Academic Paper	Arctic Modular Homes Inc. (20 mins each)  Coffee Break  Smart Technologies for Modular Construction: A Review of Current Applications  Double-Sided STS-CLT Connection for A Modularized Building System  Analyzing Deformations in As-Found Buildings for Accommodation in Panelized Retrofit	Linchao Shen, Meng Gong, Alan Lloyd and Mohammad Mohammad.  Kristine Prochnau, Simone Fallica, Stephen Fai, Michael Jemtrud and Jessica  Mendoza
10:30-11:00	Processes	Academic Paper	Arctic Modular Homes Inc. (20 mins each)  Coffee Break  Smart Technologies for Modular Construction: A Review of Current Applications  Double-Sided STS-CLT Connection for A Modularized Building System  Analyzing Deformations in As-Found Buildings for Accommodation in Panelized Retrofit  GIS Based Solutions for Management of Public Building and	Linchao Shen, Meng Gong, Alan Lloyd and Mohammad Mohammad.  Kristine Prochnau, Simone Fallica, Stephen Fai, Michael Jemtrud and Jessica
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	Processes  Stream 2: Advanced Technologies in Construction	Academic Paper  Academic Paper  Academic Paper	Arctic Modular Homes Inc. (20 mins each)  Coffee Break  Smart Technologies for Modular Construction: A Review of Current Applications  Double-Sided STS-CLT Connection for A Modularized Building System  Analyzing Deformations in As-Found Buildings for Accommodation in Panelized Retrofit  GIS Based Solutions for Management of Public Building and Infrastructure Assets: A Review of State of the Art and Emerging Technologies  Technology Application in Enhancing Safe Working Condition in the	Linchao Shen, Meng Gong, Alan Lloyd and Mohammad Mohammad.  Kristine Prochnau, Simone Fallica, Stephen Fai, Michael Jemtrud and Jessica Mendoza  Pavel Popov, M. Harmed Mozaffari, Seyedreza Razavialavi and Farzad Jalaei
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	Processes  Stream 2: Advanced Technologies in Construction  Stream 3: People and Management in	Academic Paper  Academic Paper  Academic Paper  Academic Paper	Arctic Modular Homes Inc. (20 mins each)  Coffee Break  Smart Technologies for Modular Construction: A Review of Current Applications  Double-Sided STS-CLT Connection for A Modularized Building System  Analyzing Deformations in As-Found Buildings for Accommodation in Panelized Retrofit  GIS Based Solutions for Management of Public Building and Infrastructure Assets: A Review of State of the Art and Emerging Technologies  Technology Application in Enhancing Safe Working Condition in the Construction Industry  Developing the "Industrial Commons" for Off-Site Construction	Linchao Shen, Meng Gong, Alan Lloyd and Mohammad Mohammad.  Kristine Prochnau, Simone Fallica, Stephen Fai, Michael Jemtrud and Jessica Mendoza  Pavel Popov, M. Hamed Mozaffari, Seyedreza Razavialavi and Farzad Jalaei  Ayodele Alejo, Clinton Aigbavboa, Douglas Aghimien
	Processes  Stream 2: Advanced Technologies in Construction  Stream 3: People and Management in	Academic Paper  Academic Paper  Academic Paper	Arctic Modular Homes Inc. (20 mins each)  Coffee Break  Smart Technologies for Modular Construction: A Review of Current Applications  Double-Sided STS-CLT Connection for A Modularized Building System  Analyzing Deformations in As-Found Buildings for Accommodation in Panelized Retrofit  GIS Based Solutions for Management of Public Building and Infrastructure Assets: A Review of State of the Art and Emerging Technologies  Technology Application in Enhancing Safe Working Condition in the Construction Industry  Developing the "Industrial Commons" for Off-Site Construction	Linchao Shen, Meng Gong, Alan Lloyd and Mohammad Mohammad.  Kristine Prochnau, Simone Fallica, Stephen Fai, Michael Jemtrud and Jessica Mendoza  Pavel Popov, M. Hamed Mozaffari, Seyedreza Razavialavi and Farzad Jalaei  Ayodele Alejo, Clinton Aigbavboa, Douglas Aghimien
	Processes  Stream 2: Advanced Technologies in Construction  Stream 3: People and Management in	Academic Paper  Academic Paper  Academic Paper  Academic Paper	Arctic Modular Homes Inc. (20 mins each)  Coffee Break  Smart Technologies for Modular Construction: A Review of Current Applications  Double-Sided STS-CLT Connection for A Modularized Building System  Analyzing Deformations in As-Found Buildings for Accommodation in Panelized Retrofit  GIS Based Solutions for Management of Public Building and Infrastructure Assets: A Review of State of the Art and Emerging Technologies  Technology Application in Enhancing Safe Working Condition in the Construction Industry  Developing the "Industrial Commons" for Off-Site Construction	Linchao Shen, Meng Gong, Alan Lloyd and Mohammad Mohammad.  Kristine Prochnau, Simone Fallica, Stephen Fai, Michael Jemtrud and Jessica Mendoza  Pavel Popov, M. Hamed Mozaffari, Seyedreza Razavialavi and Farzad Jalaei  Ayodele Alejo, Clinton Aigbavboa, Douglas Aghimien
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	Processes  Stream 2: Advanced Technologies in Construction  Stream 3: People and Management in	Academic Paper  Academic Paper  Academic Paper  Academic Paper	Arctic Modular Homes Inc. (20 mins each)  Coffee Break  Smart Technologies for Modular Construction: A Review of Current Applications  Double-Sided STS-CLT Connection for A Modularized Building System  Analyzing Deformations in As-Found Buildings for Accommodation in Panelized Retrofit  GIS Based Solutions for Management of Public Building and Infrastructure Assets: A Review of State of the Art and Emerging Technologies  Technology Application in Enhancing Safe Working Condition in the Construction Industry  Developing the "Industrial Commons" for Off-Site Construction	Linchao Shen, Meng Gong, Alan Lloyd and Mohammad Mohammad.  Kristine Prochnau, Simone Fallica, Stephen Fai, Michael Jemtrud and Jessica Mendoza  Pavel Popov, M. Hamed Mozaffari, Seyedreza Razavialavi and Farzad Jalaei  Ayodele Alejo, Clinton Aigbavboa, Douglas Aghimien

12:30-14:00	Plenary Session 2	Panel Discussion	The Role of Government in Accelerating Off-site Construction - an International Perspective	Moderated by Dr. Jeff Rankin with presentations from Sabrina Florellino, CEO of Fero International Stephen Wightman, Director - UK MMC at AtkinsRealis	
		Academic Paper	Quantifying "Softer" Benefits from Modularization in Capital Projects: Literature Review	Scott Fischer, CEO of OffsiteNZ Amrit Shahi, Jin Ouk Choi, Sibgat Mehedi	
	Stream 1: Offsite Methods and Processes	Academic Paper	Analysis and Mitigation Strategies of Installation Delays in Precast Concrete Columns: A Case Study in a Korean Logistics Facility	Eunbeen Jeong, Junyoung Jang, Seulbi Lee and Tae Wan Kim.	
		Academic Paper	Enhancing Built Environment Management: A Vision-Based Approach Unified with Fiducial Markers and Omnidirectional Camera Pose Estimation	Gelare Taherian and Ehsan Rezazadeh Azar	
	Stream 2: Advanced Technologies in Construction	Academic Paper	A Review of Scan-to-BIM Technologies in Assisting Project Coordination and Management	Hannah Coldwell, Xinzhi Qiu, Jeff Rankin, Meng Gong and Zhen Lei.	
		Academic Paper	Awareness of Health and Safety Practices Among Construction Workers: A Case Study of Undo State, Nigeria	Oluwaseun Olu-Martins, Cliton Ohis Aigbavboa and Opeoluwa Akinradewo.	
14:00-15:00	Stream 3: People and Management in Construction	Academic Paper	Appraising Time Performance of Higher Education Institutions Building Projects to Achieving Sustainable Development Goal 4	Ayobami Idowu, Clinton Aigbavboa, Ebekozien Andrew, Peter Adekunle and Fortune Aigbe.	
			STUDENT POSTER COMPETITION		
	1. Yakine Zerrad- Innovative Construction in	Canada's Extreme Enviro	nments: Integration 3D Printing and Mass Timber through Computational	Design and Digital Fabrication	
	<ol> <li>Christtestimony Oluwafemi Jesumoroti-</li> <li>Derrick Mirindi - BIM-Driven Offsite Const</li> </ol>				
	Saeid Metvaei- BIM-Driven Robotic Manuf				
			ng (BIM) and Digital Technologies for Project Delay Management		
	6. Ayodele Oluwole Alejo- A safe working condition model for the Nigerian construction industry.  7. Deinsam D. Ogan- APPLICATION OF OFF-SITE PRINCIPLES FOR SMALL-SCALE GOLD MINING OPTIMIZATION IN THE BUILT ENVIRONMENT				
	8. Jessica Janeth Cisneros Gonzalez- ROBOTIC CELL DESIGN AND SIMULATION SYSTEM FOR CROSS-LAMINATED TIMBER PANEL POST-CONSTRUCTION OPERATIONS				
	9. Stephen Elms- Immersive Training Solutions: The Potential Role of XR for Safety and Skill Development in Offsite Construction				
	10. Eunbeen Jeong- Precast Concrete Components Installation time 11. Muhammad Zubair- DeepFakes				
	12. <b>Eberhiri Benjamin Olomu</b> - Performance	Measurement of Modular	r Construction (PMMC): Application of Balanced Scorecard (BSC)		
15:00-15:30			Coffee Break		
	Stream 1 : Offsite Methods and	Academic Paper	Integrated Framework and Impact Assessment of Design for Manufacture And Assembly (DFMA) in Modular Home Manufacturing Facilities: A Case Study	Nicole Odo, Sadaf Montazeri, Zhen Lei, Katherine Dewinter and Amir H. Shokouhy.	
	Processes	Academic Paper	Economic Factors influencing the adoption of Modularity Methodology in the Built Environment	Peter Adekunle, Clinton Aigbavboa, Osamudiamen Otasowie and Ayobami Idowu.	
15:30-16:30		Academic Paper	Review of Natural Language Processing NLP and Generative AI Applications in the Era of Construction 4.0	M. Hamed Mozaffari, Pavel Popov, Seyedreza Razavialavi and Farzad Jalaei.	
	Stream 2: Advanced Technologies in Construction	Academic Paper	Enhancing Efficiency in Light-Gauge Steel (LGS) Prefabrication: A Strategic Workflow Optimization	Sadaf Montazeri, Nicole Odo and Zhen Lei.	
15:30-17:00		Case studies	Akhurst Machinery PACE Building Technologies Inc WZMH Architects / Sparkbird ( <b>min 30 mins</b> )		
17:00-18:00			BREAK		
18:00-18:30			Awards Banquet Reception		
18:30-23:30			Awards Banquet		

Thursday, August 22				
Session Time	Session Title	Presentation Type	Presentation Title	Presenters/Authors
7:00-7:30 8:00-8:30			Registeration for 1 Day Pass Opening Remarks	
8:30-10:00	Plenary Session 3	Panel Discussion Academic Paper	New and Emerging Technologies in Off-site Construction Structural Performance Assessment of PACE Modular Precast Slab Structure Systems	Mohammed Arif, Mohamad Kassem, Mohamed Al-Hussein Trevor Hrynyk, Mi Zhou, Garry Rutledge, Dejan Dikic
	Stream 1: Offsite Methods and Processes	Academic Paper	Self aligning structural connection for precast concrete walls	Kate Cunningham, Alan Lloyd, Samira Rizaee
10:00-11:00		Academic Paper	Integrating Design and Fabrication for Sustainable Housing: Insights from the Kopps Prototype	Saeid Metvaei, Kamyab Aghajamali, Songyue Wang, Zhen Lei and Qian Cher
	Stream 2: Advanced Technologies in Construction	Academic Paper	BIM-Driven Offsite Construction: Pathways to Efficiency and Sustainability	Derrick Mirindi and Frederic Mirindi

		Case studies	Meta Bytes North America Inc.	
		Case studies	OCRC	
			xl Architects	
			(20 mins each)	
11:00-11:30			Coffee Break	
11.00 11.00		Academic Paper	A Comparative Analysis of Design for Manufacturing and Assembly	Sadaf Montazeri, Sara Rankohi, Ivanka lordanova and Amirhossein
			(DfMA) Implementation Challenges in On-site construction (OnSC)	Mehdipoor.
			and Off-site Construction (OSC)	
	Stream 1: Offsite Methods and		(,	
	Processes	Academic Paper	Benefits of Integrating Advanced Composite Materials into Modular	Peter Adekunle, Clinton Aigbavboa, Osamudiamen Otasowie, Opeoluwa
			Construction for enhanced Structural Performance	Akinradewo and Nwabisa Pheza.
11:30-12:30				
		Academic Paper	Integration of Artificial Intelligence and Smart Technologies in Offsite	Derrick Mirindi, Tonya Sanders Thach and Oluwakemi Oshineye.
	Stream 2: Advanced Technologies in		Construction: A Comprehensive Review	
	Construction	Academic Paper	Explainable artificial intelligence in generative design for modular	Sanaz Zarghami, Hanieh Kouchaki, Longzhi Yang and Pablo Martinez
			construction	
		Case studies	Modular Energy Solution (Living Labs at Canadore College)	
			Housing at High Speed/The Modular Solution	
11:30-13:00			720 Modular	
			Modular Energy Solution (Modular and Solar Energy Solutions)	
			(20 mins each)	
13:00-14:00 14:30-16:30	Plenary Session 4	Panel Discussion	KN4 and Lunch Kenna Institute	Gursans, Mojgan, Qian  Moderator- Aaloak Jaswal
14:30-16:30			Deval Pandya from Vector Institute	
	Introduction: McKenna Institute and RIDSAI (10 minutes)  Presentations:			Mark Cichy from HOK
	- Demystifying AI or Industrial AI Use (20 minutes).			rian Giony Hom Hor
		- Al in construc		
	Panel Discussion: A panel discussion and audience Q&A (30-45 minutes)			
10.00 17.00				
16:30-17:00	Closing Notes- Brandon			