



ASSOCIATION OF RESEARCHERS IN CONSTRUCTION MANAGEMENT

# 2020 Conference Schedule

	Monday 7th September		Tuesday 8th September
1	09:00 - 10:00 <b>Conference Opening Address &amp; Conference Keynote</b> Auditorium	9	09:00 - 10:00 <b>Keynote on Social Value</b> Auditorium
2	10:15 - 11:15 Session 1 (Parallel Streams) Seminar Rooms 1-6	10	10:15 - 11:15 Session 4 (Parallel Streams) Seminar Rooms 1-6
3	11:30 - 12:30 Session 2 (Parallel Streams) Seminar Rooms 1B-6B	11	11:30 - 12:30 Session 5 (Parallel Streams) Seminar Rooms 1B-6B
4	12:45 - 13:30 <b>Lunch Time Discussion</b> Committee Room	12	12:45 - 13:45 <b>Meet the Publishers</b> Seminar Room 1  12:45 - 13:30 <b>ARCOM AGM</b> Auditorium
5	13:45 - 14:45 <b>Workshops</b> (Parallel Streams) Seminar Room 1B-3B	13	13:45 - 14:45 <b>Lunchtime Discussion</b> Committee Room
6	15:00 - 16:00 Session 3 (Parallel Streams) Seminar Rooms 1-6	14	15:00 - 16:00 Session 6 (Parallel Streams) Seminar Rooms 1-6
7	16:15 - 17:15 <b>Langford Event</b> Auditorium	15	16:15 - 17:15 Session 7 (Parallel Streams) Seminar Rooms 1B-6B
8	17:15 - 18:30 <b>Social Event</b> Social Space	16	<b>Closing Plenary Session</b> <b>ARCOM awards &amp; ARCOM 2021</b> Auditorium

Updated on 28<sup>th</sup> August 2020; Please see online programme for further information

<b>Session</b>  <b>1</b>	<b>A. Construction and Design Technology</b> <b>Chair: John Spillane</b> <b>Moderator: Colin Booth</b>	<b>B. Information Management</b> <b>Chair: Craig Thomson</b> <b>Moderator: Chika Udejaja</b>	<b>C. Building Information Modelling</b> <b>Chair: David Boyd</b> <b>Moderator: Alex Copping</b>
	Construction in the Platform Society - Paul W Chan	Benefits of Big Data Application Experienced in the Construction Industry - Bernard Tuffour Atuahene, Sittimont Kanjanabootra and Thayaparan Gajendra	Assessing the Potentials of Heritage Building Information Modelling (HBIM) in Damaged Heritage Reconstruction - Fatimah Al-Muqdadi
	Embodied Energy Considerations in a BIM-Enabled Building Design Process - Amalia Banteli, Vicki Stevenson and Hiral Patel	Integrating Knowledge of Building Operation and Use Into Swedish Municipal School Planning - Jessica Molen, Anna Kadefors and Malena Havenvid	Social Value in the Digitalised Construction Environment - Jose Salazar-Vela, Karen Blay and Peter Demian
	Architectural Design of Vertical Extensions of Buildings - Mathilda Norell, Lars Stehn and Dan Engström	The Implication of Advances in Community Mapping Through Spatial Information Technologies for Urban Regeneration Projects - Noemi Giupponi and Craig Thomson	Mobile Augmented Reality in Construction Practice and Technological Mediation - Hans Voordijk, Ramon Ter Huurne and Léon olde Scholtenhuis
<b>Mon</b>  <b>10:15</b> <b>-</b> <b>11:15</b>	<b>D. Equality and Diversity</b> <b>Chair: Emmanuel Aboagye-Nimo</b> <b>Moderator: Vivien Chow</b>	<b>E. Sustainability in the Built Environment</b> <b>Chair: Niraj Thurairajah</b> <b>Moderator: Patrick Manu</b>	<b>F. Research and Education</b> <b>Chair: Libby Schweber</b> <b>Moderator: Ani Raidén</b>
	The Supportive Role of Construction Employment in Preventing Youth Homelessness - Jemma Bridgeman, Martin Loosemore and Hugh Russell	Social Value Practices in Housing Associations' Construction Procurement in North West England - Rukaya Abowen-Dake, Anthony Higham, Peter Farrell and Gregory Watts	Architectural Research as an Autopoietic System - Peter Raisbeck
	Does P3 Favour Large Companies? - Kunqi Zhang and Qingbin Cui	Can I Get Some Help Down Here? - Daniella Troje	The Impact of a First-Year Orientation Team Building Event - John Smallwood and Christopher Allen
	Refugee Experiences of Finding Decent Work in the Australian Construction Industry - Martin Loosemore, Ahmed Hammad and Suhair Zaid Alkilani	A Theoretical Framework of Social Value in Construction Employment - George Denny-Smith and Martin Loosemore	Open Innovation Within Loughview Timber - Christopher McLarnon, John Spillane, Jim Bradley, Niall McCartan and Mervyn Nelson

<b>Session</b>  <b>2</b>	<b>A. Planning and Productivity</b> <b>Chair: Paul Chan</b> <b>Moderator: Libby Schweber</b>	<b>B. Sustainability and Built Environment</b> <b>Chair: Craig Thomson</b> <b>Moderator: Chika Udejaja</b>	<b>C. Off-site Construction</b> <b>Chair: Patrick Manu</b> <b>Moderator: Nicola Callaghan</b>
<b>Mon</b>  <b>11:30</b> <b>-</b> <b>12:30</b>	Quality Management in UK Social Housing Projects - João Alencastro, Alba Fuertes and Pieter de Wilde	Governing the Common Good - Stefan Gottlieb, Christian Koch, Nicolaj Frederiksen and Peter Vogelius	Offsite Manufacturing and Construction Industry Transformation - Kwadwo Oti-Sarpong and Gemma Burgess
	What is Happening in Quality Management in the UK Construction Industry? - Hasan Haroglu and Ned Umeokafor	Urban Regeneration Indicators - Daniel Gilmour and Edward Simpson	Critical Reflections on 25 Years of Using Prefabrication and Modularisation in UK Construction - Neil Pickavance, Andrew Ross and Damian Fearon
	From Partnership to Firm - Nicolaj Frederiksen and Stefan Gottlieb	The Role of Local Authorities in Catalysing the Adaptive Re-Use of Buildings in London - Ben Deloughry, Polly Hudson and Steve Phillips	Critical Success Factors, Barriers and Challenges for Adopting Offsite Prefabrication - Yamen Bakhaty and Yamuna Kaluarachchi
	<b>D. Law and Contracts</b> <b>Chair: Apollo Tutesigensi</b> <b>Moderator: Lloyd Scott</b>	<b>E. Health, Safety and Wellbeing</b> <b>Chair: Emmanuel Aboagye-Nimo</b> <b>Moderator: Alex Opoku</b>	<b>F. Research and Education</b> <b>Chair: Vivien Chow</b> <b>Moderator: Simon Smith</b>
	Perceptions of the UK Adjudication Process - Ian Trushell and Peter Clyde	The Role of Industry 4.0 in Construction Occupational Health (OH) - John Smallwood, Christopher Allen and Claire Deacon (John Smallwood Presenting)	Empowering Lower-Level Managerial Leaders - Kajsa Simu, Martin Rudberg, Christine Räisänen, Lars Stehn and Matilda Höök
	The Management of Disputes as an Element of Construction Transaction Costs - Vasil Atanasov, David Greenwood and Simon Robson	Promoting Employee Safety Performance in the Chinese Construction Industry - Alex Opoku, Shangnan Zhao, Ka Leung Lok, Charles Chen and Tariq Umar	Assessment and Improvement of a Required Construction Management Service-Learning Course - Robert Bugg and Lauren Redden
Assessing Unsubstantiated Claims in the UK Construction Industry - Asia Nosheen, Andrew Arewa and Hafiz Akhtar	Factors Causing Fatigue and Safety-Related Errors on Construction Sites in Bloemfontein - Fidelis Emuze		

<b>Session</b>  <b>3</b>	<b>A. Construction Design and Technology</b> <b>Chair: Chika Udejaja</b> <b>Moderator: Emmanuel Aboagye-Nimo</b>	<b>B. Building Information Modelling</b> <b>Chair: Robby Soetanto</b> <b>Moderator: Chrissi McCarthy</b>	<b>C. Sustainability and Built Environment</b> <b>Chair: Alex Copping</b> <b>Moderator: Libby Schweber</b>
<b>Mon</b>  <b>15:00</b> <b>-</b> <b>16:00</b>	Efficacy of Value Management System in Building Projects - Mohammed Alaqad, Kassim Gidado, Poorang Piroozfar, Mohammed Alkhadim and Abdel Dorgham	Applying LCA-BIM Integration for a Sustainable Management Process - Dalia Morsi, Walaa Ismaeel, Ahmed El Hamed and Ayman Othman	Achieving Decarbonisation Through Sustainable Smart City Technologies - Zahirah Azizi and Niraj Thurairajah
	An Investigation of Performance Gaps in the Design of UK Healthcare Facilities - Touria Bouazza and David Greenwood	Issues to be Addressed with Current BIM Adoption, Prior to the Implementation of BIM Level 3 - Ross Attrill and Slobodan Mickovski	Informing Early Stage Design Through LCC Data - Maria Saridaki and Kim Haugbølle
			Working with Problem and Solution Spaces in Indoor Air Quality Research - David Boyd and Monica Mateo-Garcia
	<b>D. Health, Safety and Wellbeing</b> <b>Chair: Simon Smith</b> <b>Moderator: Fred Sherrat</b>	<b>E. Infrastructure Development</b> <b>Chair: Shu-Ling Lu</b> <b>Moderator: Patrick Manu</b>	<b>F. Research and Education</b> <b>Chair: Chris Gorse</b> <b>Moderator: Lloyd Scott</b>
	Work-Related Strain Effects and Coping Strategies among South African Construction Professionals - Rita Peihua Zhang, Paul Bowen and Peter Edwards	Value Conflict Arenas in Participative Project Environments - Leentje Volker, Lizet Kuitert and Marleen Herman	Ethnography, Impression Management and Shifting Practices - Anne Klitgaard, Kjeld Svidt and Stefan Gottlieb
	Scaffolding in the UK and Ireland - Harry Dempsey, Michael Curran and John Spillane	Capacity Building for Tanzanian Public-Private Partnerships (PPPs) Projects - Nicholas Chileshe and Neema Kavishe	Enhancing Student Motivation and Learning with Monetary Prizes in a Construction Management Undergraduate Subject - Saw Hoon Lim and Toong Khuan Chan
	Construction Professionals' Commitment to the Organisation, Work-Life Balance, and Well-Being - Clara Man Cheung, Paul Bowen, Keith Cattell and Jocelyn Davis	Collaboration and Relationships in Nordic Infrastructure Project Networks - Anna af Hällström and Petra Bosch-Sijtsema	Building Engineers and Construction Managers - Shana Davis, Todd Davis, David Howell and DeAnna Leitzke

<b>Session</b>  <b>4</b>	<b>A. Health, Safety and Wellbeing</b> <b>Chair: Fred Sherratt</b> <b>Moderator: Simon Smith</b>	<b>B. Planning, Productivity and Quality</b> <b>Chair: Paul Chan</b> <b>Moderator: David Boyd</b>	<b>C. Sustainability and Built Environment</b> <b>Chair: Alex Opoku</b> <b>Moderator: Lloyd SCOTT</b>
<b>Tues</b>  <b>10:15 - 11:15</b>	Machine Learning for Analysis of Occupational Accidents Registration Data - May Shayboun, Dimosthenis Kifokeris and Christian Koch	Swedish Lean Construction Practices Identified in the Last Decade of Research - Dimosthenis Kifokeris and Christian Koch	Barriers of Incorporating Circular Economy in Building Design in a Danish Context - Aysar Selman and Anne Gade
	Safety Prequalification Criteria for Contractor Selection in Construction Projects - Nadeera Abdul Razak, Obuks Ejohwomu, Peter Fenn, Kamil Okedara, Babatunde Dosumu and Firdaus Muhammad-Sukki	Construction Industry 4.0: Entangling Colliding Practices - Henrik Buhl, Michael Andersen and James Harty	Integrating Circular Economy and Constructability Research - Mohamed Abadi and Muhammad Sammuneh
	Construction Safety Training - Madeline Polmear, Denise Simmons, Clara Cheung and Rita Zhang	Challenges in the Digital Transformation of Lean Design Methods - Dimosthenis Kifokeris, Janni Tjell, Mikael Viklund-Tallgren, Linda Nygren Farah and Mattias Roupé	On the Road to Nowhere? - Rickard Andersson and Martine Buser
	<b>D. Off-site Construction</b> <b>Chair: Colin Booth</b> <b>Moderator: Ani Raidén</b>	<b>E. Research and Education</b> <b>Chair: Nicola Callaghan</b> <b>Moderator: Elyn Lester</b>	<b>F. Disaster Management and Resilience</b> <b>Chair: Apollo Tutesigensi</b> <b>Moderator: John Spillane</b>
	The Effect of Offsite Construction Technology on Roles of Construction Managers - Kingford Mkandawire and Shabnam Kabiri	Scenarios for the Digitalisation of the Construction Industry - Anil Kavuri, Robby Soetanto, Chris Goodier, Danny Murguia and Mike Szczygiel	Post-Disaster Affordable and Sustainable House Design and Delivery Perspective - John Bruen, John Spillane and Tara Brooks
	Analysing Effects of Industrialised Housebuilding Companies' Production Principles on Applied Performance Management: A Multiple-Case Study - Wolfgang Grenzfurtnner, Richard Mayrhofer, Martin Rudberg, Kristina Loike and Manfred Gronalt	Towards Digital Transformation in Construction Firms - Mattias Jacobsson and Henrik Linderoth	Reduction of Overheating in Sri Lanka - Shu-Ling Lu, Rohinton Emmanuel, Narein Perera, Rangajeewa Ratnayake, Sue Grimmond, Zhiwen Luo, Hamidreza Omidvar and Ting Sun
		Service Learning: Aligning University Mission with Design and Construction - Ben Farrow and Richard Burt	

<b>Session</b>  <b>5</b>	<b>A. Sustainability Development Goals</b> <b>Chair: Alex Opoku</b> <b>Moderator: Chika Udejaja</b>	<b>B. Health, Safety and Wellbeing</b> <b>Chair Fred Sherratt</b> <b>Moderator: Simon Smith</b>	<b>C. Information Management</b> <b>Chair: John Spillane</b> <b>Moderator: Paul Chan</b>
<b>Tues</b>  <b>11:30</b> <b>-</b> <b>12:30</b>	How Sustainability Professionals Navigate in the Sea of Sustainability - Stina Månsson and Pernilla Gluch	Exploring the Impact of Alcohol Abuse on Construction Sites in Santo Domingo, Dominican Republic - Kenneth Lawani, Billy Hare, Iain Cameron and Laura Soto	Procuring Building Information - Niraj Thurairajah, Richard Watson, Ian Babelon and Sivagayinee Gangatheepan
	Challenges for Implementing the Sustainable Development Goals in the Danish Construction Industry - Anne Gade and Alex Opoku	Conceptual Model for Managing Mental Health in the Culturally Diverse Construction Workforce - Qinjun Liu, Yingbin Feng and Kerry London	Data-Led Learning - Henrietta Baker, Simon Smith, Gordon Masterton and Bill Hewlett
	Healthy Ageing and Retrofit - Dayna Rodger, Nicola Callaghan and Craig Thomson	Mental Health and Well-Being in Micro-Enterprises in the Construction Industry - Noel Clarke, James G Bradley and John Spillane	
	<b>D. Infrastructure Development</b> <b>Chair: Emmanuel Aboagye-Nimo</b> <b>Moderator: David Boyd</b>	<b>E. Human Resources Management</b> <b>Chair: Ellyn Lester</b> <b>Moderator: Lloyd Scott</b>	<b>F. Building Information Modelling</b> <b>Chair: Alex Copping</b> <b>Moderator: Chrissi McCarthy</b>
	An Integrated Approach to Learning from Project-Related Failures - Danstan Bwalya Chiponde, Barry Gledson and David Greenwood	Barriers to Mentoring of Graduates in Quantity Surveying Firms - Gladys Sospeter and Geraldine Kikwasi	Institutional Pressures and Decoupling in Construction Projects - Thayla Zomer, Andy Neely and Ajith Parlikad
	A Road Bridge Maintenance Management Framework - Teslim Balogun	New Collaborating Work Forms in Construction - Emil Svensson, Åse Linné and Marcus Lindahl	BIM in Construction Production - Viktoria Sundquist, Alessio Leto, Mathias Gustafsson, Mikael Johansson and Mattias Roupé
	Infrastructure Development in the West African Extractive Industry - Kwadwo Obiri Bassam Bjeirmi, David More and Prince Boateng	Modelling the Cost of Collusion in the Construction Industry - Xiaowei Wang, Rui Liu, Kunhui Ye and Ramadhani Tekka	

<b>Session</b>  <b>6</b>	<b>A. Health, Safety and Wellbeing</b> <b>Chair: Simon Smith</b> <b>Moderator: Fred Sherrat</b>	<b>B. Sustainability and Built Environment</b> <b>Chair: Robby Soetanto</b> <b>Moderator: Chika Udeaja</b>	<b>C. Planning, Productivity and Quality</b> <b>Chair: Shu-ling Lu</b> <b>Moderator: Alex Copping</b>
	A Multilevel Socio-Technical Perspective on Work Health and Safety Related Design Decision Making - Payam Pirzadeh, Helen Lingard and Nick Blismas	A Study of the Housing Needs of Residents in Informal Settlements in the Dominican Republic - Nicola Callaghan and Mario Marcano-Salcedo	Renovation of the Japanese Construction Industry - Koki Arai and Emi Morimoto
	Change In Public Facilities Management Organisations - Ingrid Svensson	Decision-Making Process to Select Energy-Efficient Renovation Alternatives for Residential Buildings - Jerson Amorocho and Timo Hartmann	The Value of 'Non-Value Adding' Activity - Tara Brooks, John Bruen and Michael Curran
<b>Tues</b>  <b>13:45-14:45</b>	<b>D. Addressing Climate Change</b> <b>Chair: Colin Booth</b> <b>Moderator: Patrick Manu</b>	<b>E. Construction Design and Technology</b> <b>Chair: Chris Gorse</b> <b>Moderator: Lloyd Scott</b>	
	Highway Sustainability Construction: Reducing Carbon Emissions Using Process Management - Ikechukwu Uchehara, Mansur Hamma-adama and David Moore	A Performance Barrier? - David Comiskey and Kayleigh Wilson	
	Implementation of Circularity in the Building Process - Ditte Gerding, Hans Wamelink and Els Leclercq	Identifying Local Expertise and 'Trusted Traders' for Building Energy Retrofit - Faye Wade and Jan Webb	
	Best Practices for Diverting Demolition Waste from Landfill - Chamitha Wijewickrama, Nicholas Chileshe, Raufdeen Rameezdeen and J Jorge Ochoa	An Integrated Model for Energy-Efficient Building Opening Design - Walaa Ismaeel	

<b>Session</b>  <b>7</b>	<b>A. Planning, Productivity and Quality</b> <b>Chair: Lloyd Scott</b> <b>Moderator: Chris Gorse</b>	<b>B. Construction and Technology</b> <b>Chair: Patrick Manu</b> <b>Moderator: Alex Copping</b>	<b>C. Building for the Common Good</b> <b>Chair: Chrissi McCarthy</b> <b>Moderator: Ellyn Lester</b>
<b>Tues</b>	On Complexity and Decision Making in Construction Management - Gavin Ford, Jonathan Gosling, Mohamed Naim and Bill Hewlett	Factors Influencing Bid/No Bid Decision of Foreign Contractors in Tanzania - Neema Kavishe and Nicholas Chileshe	Advancement of the Design of AEC-Related Business Management Concepts Along the Common Good Dimension - Pekka Huovinen
	Losing Ground: Adapting Construction Management Approaches to Permafrost Retreat - Peter Robinson and Stephen McIlwaine	Integrated Project Delivery (IPD) - Peter Agbaxode, Ehsan Saghatforoush and Sitsabo Dlamini	A Strategizing Perspective on New Logistics Setups in Construction Projects - Andreas Ekeskär and Malena Havenvid
	Good Enough Quality - Christian Koch and Martine Buser		A Resource Perspective on the Long-Term Effects of Project Partnering - Malena Havenvid, Viktoria Sundquist, Åse Linné and Sofia Wagrell
<b>15:00-16:00</b>	<b>D. Sustainability and Built Environment</b> <b>Chair: Ani Raiden</b> <b>Moderator: Fred Sherratt</b>	<b>E. Future Planning</b> <b>Chair: Vivien Chow</b> <b>Moderator: Emmanuel Aboagye-Nimo</b>	
	Investigating the Major Causes of Morphological Transformations in the CBD of Accra and the Impact on Urban Heat Island Intensity - James Gyasi-Addo and Amar Bennadji	The Public Construction Client of the Future - Lizet Kuitert, Leentje Volker and Marleen Hermans	
	Project-Managing the Social Value of Built Assets - Mustafa Selçuk Çidık	Autoethnographic Writing as a Strategic Tool in a Medium-Sized Construction Company - Henning Grosse	