



Monday 4th September

10:00 Registration				Auditorium
Room	Trust Room	Old Senior Common Room	Walter Grave Room	
Session 1	1A: Policy and Macro Perspectives - Chair: David Boyd	1B: Planning and Performance Management - Chair: Simon Smith	1C: Supply Chain Management - Chair: Alex Opoku	
11:00 - 12:00	Competitive strategy and the role of narrative infrastructure: The case of Turkish contractors – <i>Duman, Green and Larsen</i>	Eleven years of ARCOM: Bibliometric mapping of studies published between 2005 and 2016 – <i>Hosseini, Aibinu, Chileshe and Arashpour</i>	The co-creation of social value between social enterprises and private firms in the construction industry – <i>Loosemore and Barraket</i>	
	Understanding radical innovation: A case example from the Turkish housing market – <i>Ertugal and Acar</i>	Maturity model for strategic collaboration in sustainable building renovation – <i>Johansen, Jensen and Thuesen</i>	Global supply chains: A preliminary analysis of the Australian construction industry – <i>Chan</i>	
	Forget the rules and innovate: Contesting a myopic view on the impact of rules on innovation – <i>Scholtenhuis and Dorée</i>	Towards improving productivity on refurbishment projects – <i>Wandahl and Skovbogaard</i>	Conceptual framework for traceability in the construction sector – <i>Katenbayeva, Glass, Anvuur and Ghumra</i>	
Room	Upper Hall 1	Gaskoin Room	Music Room	
Session 1	1D: Health, Safety and Wellbeing - Chair: Fred Sherratt	1E: Environmental Management and Sustainability - Chair: Craig Thomson	1F: Education and Knowledge - Chair: Lloyd Scott	
	Evaluating site induction practice efficiency and effectiveness: An organisational case study – <i>Gilmour, Simpson, Blackwood, McCartney and Reynolds</i>	Construction and demolition waste management on the building site: A literature review – <i>Bosch-Sijtsema and Buser</i>	Making an impact: Team building as an alternative education to enable construction management honours students to deliver – <i>Smallwood and Allen</i>	
	The human contribution to unsafe construction acts and conditions in the central region of South Africa – <i>Emuze</i>	Environmental sustainability indicators in decision-making analysis on urban regeneration projects: The use of sustainability assessment tools – <i>Toli and Murtagh</i>	Mode of study influences built environment students' perception of their professional development – <i>Vohmann, Crabtree, Priddle and Frame</i>	
	Safety leadership in the construction industry: What is missing? – <i>Cheung and Cui</i>	Embedded evaluation? Examining green infrastructure evaluation in the neighbourhood masterplan journey – <i>Callway, Dixon and Nikolic</i>	Knowledge, authority and the development of expertise in construction - <i>Kanjanabootra</i>	
12:00 Lunch				Dining Hall
13:00	Welcome to the 33 rd annual ARCOM conference	Paul W Chan, ARCOM Chair	Auditorium	
13:15	Welcome to Cambridge	Jennifer Schooling, Director of Cambridge Centre for Smart Infrastructure and Construction	Auditorium	
13:30	Keynote 1	Chris Ivory (Discussant: Libby Schweber), Chaired by Chris Harty	Auditorium	
15:00 Refreshments				Upper Hall 2
Room	Trust Room	Old Senior Common Room	Walter Grave Room	
Session 2	2A: Health, Safety and Wellbeing - Chair: Simon Smith	2B: Planning and Performance Management - Chair: Obuks Ejowomu	2C: Clients and Innovation - Chair: Niraj Thurairajah	
15:40 - 16:20	Antecedents to mental health symptoms in the Australian construction industry – <i>Sunindijo and Kamardeen</i>	The unexplored brutality of performance recipes – <i>Orstavik and Harty</i>	Public commissioning in a new era: Public value interests of construction clients – <i>Kuiter, Volker and Hermans</i>	
	Profiling resilience among construction management students: An international comparison – <i>Turner, Holdsworth, Scott-Young and Johnson</i>	Project performance: An emerging constellation of multiple institutions – <i>Koch and Urup</i>	Exploring alignment of personal values in a complex, multi-organisation construction project environment – <i>Rickaby, Glass, Mills and McCarthy</i>	
Room	Upper Hall 1	Gaskoin Room	Music Room	
Session 2	2D: Environmental Management and Sustainability - Chair: Colin Booth	2E: Planning and Performance Management - Chair: Apollo Tutesigensi	2F: Environmental Management and Sustainability - Chair: Chris Gorse	
	Precautionary action against overheating in English homes: What influences householders' intentions? – <i>Murtagh, Gatersleben and Fife-Shaw</i>	Less visible innovation and their impacts: A quantitative analysis of non-conformances – <i>Adio and Aibinu</i>	Energy-efficient window retrofit for existing high-rise residential buildings with the consideration of mutual shading – <i>He and Ng</i>	
	The impact of thermal imaging on users' perception of energy consumption: The Round Hill Project – <i>Aboagye-Nimo, Piroozfar, Wood and Madgwick</i>	Quantification of construction project risks by analysis of past dispute cases – <i>Kumar, Chandrashekhar and Singh</i>	A morphology-based model for forecasting cooling energy demand of condominium buildings in Sri Lanka – <i>Geekiyana, Ramachandra and Rotimi</i>	

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Room	Trust Room	Old Senior Common Room	Walter Grave Room
Session 3	3A: Policy and Macro Perspectives - Chair: Paul W Chan	3B: Environmental Management and Sustainability - Chair: Lloyd Scott	3C: Health, Safety and Wellbeing - Chair: Emmanuel Aboagye-Nimo
16:30 - 17:30	Internal regulations vs external border controls: BREXIT and its implications for construction labour in Britain – <i>Clarke</i>	Processes of service ecosystem collapse: The UK Green Deal as an illustrative case – <i>Badi, Razmdoost and Murtagh</i>	Happiness for project managers: Framework and empirical analysis – <i>Cheung, Cui and Davis</i>
	The political economy of construction industrial policy in the UK – <i>Andreas, Fernie and Dainty</i>	The required skills for the delivery of energy efficient buildings: A socio-technical network approach – <i>Bevan, Lu and Sexton</i>	The role of after-hours, work-related contact in work-to-family conflict and sleep problems experienced by construction professionals – <i>Bowen, Govender, Edwards and Cattell</i>
	Fringe benefits? Planning, building and the development of community in a neo-liberal landscape – <i>McDermott and Holdsworth</i>	Green building projects: Process innovation leading to project innovation – <i>Ahmad, Aibinu and Stephan</i>	An investigation into a health and safety rewards system on a large construction project – <i>Oswald, Sherratt and Smith</i>
Room	Upper Hall 1	Gaskoin Room	Music Room
Session 3	3D: Clients and Innovation - Chair: David Boyd	3E: Procurement - Chair: Apollo Tutesigensi	3F: Procurement - Chair: Alex Opoku
	Reconstructing the rationale behind a public client's first application of PPI – <i>Plantinga, Voordijk and Dorée</i>	Integrating IPD and exploring potentials – <i>Neve, Wandahl, Kaeseler and Tandrup</i>	Joint venture housing projects in Dar es Salaam City: An analysis of challenges and effectiveness – <i>Kavishe and Chileshe</i>
	Innovation in the construction industry: Factors, actors and the client's role – <i>Bengtsson</i>	Influence of multiparty IPD contracts on construction innovation – <i>Leicht and Harty</i>	The development of a more efficient internal tender procedure framework for Australian construction contractors – <i>Urquhart, Whyte and Lloyd</i>
	Innovation realized? Client's challenges of supporting supplier-led innovation at the project level – <i>Guerrero and Engström</i>		
18:00	Meet outside the Storey's Way entrance of Fitzwilliam College to walk to Gonville and Caius College		
19:00	Social Networking Dinner and Drinks followed by the Annual ARCOM Rant		Gonville and Caius College Dining Hall
22:15	Coaches pick up from The Round Church to return to Fitzwilliam College		

Tuesday 5th September

08:30 Late registration				Upper Hall 2
Room	Trust Room	Old Senior Common Room	Walter Grave Room	
Session 4	4A: Professionalism - Chair: Libby Schweber	4B: Building Information Modelling - Chair: Alex Copping	4C: Social Responsibility - Chair: Vivien Chow	
09:00 – 10:00	Tribes, warlords and transformers: An institutional logics model of the architectural profession – <i>Raisbeck</i>	A systemic BIM innovation model in the construction supply chain – <i>Murguia, Demian and Soetanto</i>	Local content' of corporate social responsibility in international construction – <i>Ye, Lu, Xue, Flanagan and Fang</i>	
	Markets, professions and firms of the construction industry: The changing roles of architects in response to vertical integration – <i>Jia, Gao and Kvan</i>	The influence of leadership, resources and organisational structure on BIM adoption – <i>Aibinu and Papadonikolaki</i>	Assessing the impact of Australia's indigenous procurement policy using Strain Theory – <i>Denny-Smith and Loosemore</i>	
	Constructing business models around identity: Tensions in architectural firms – <i>Bos-de Vos and Volker</i>	Key constraints to optimal and widespread implementation of BIM in the South African construction industry – <i>Akintola, Root and Venkatachalam</i>	Investigating the extent of community inclusion in the budding South African mega projects implementation - <i>Khatleli</i>	
Room	Upper Hall 1	Gaskoin Room	Music Room	
Session 4	4D: Design - Chair: Chris Harty	4E: Planning and Performance Management - Chair: Niraj Thurairajah	4F: Quantitative Methods - Chair: Simon Smith	
	Redefining design in construction – <i>Cidik and Boyd</i>	Developing decision making in projects: Analyzing the mobilization of bias and non-decision making in projects – <i>Smyth</i>	Cost optimisation for high-rise buildings considering number of levels of shores and reshores – <i>Sohoni, Ghaffar and Jha</i>	
	Exploring the dynamic social interactions that underpin work health and safety related design decision-making – <i>Pirzadeh and Lingard</i>	Planning in construction: How are the different planning processes linked? – <i>Thunberg, Fredriksson, Danielsson and Sandberg</i>	A method for tenant selection of China's construction industrial parks through industrial symbiosis – <i>Zhou, Wang, Liu, Wang and Li</i>	
	Reduction or revaluing in cost constrained design? Reverse innovation conceptualized – <i>Koch</i>	Entering, unfolding, embedding and reverting: Implementability dimensions made explicit – <i>Vande Putte</i>	Precast production scheduling using heuristic algorithm – <i>Wang, Zhou, Liu, Zhong and Li</i>	
10:00 Refreshments				Upper Hall 2
10:30	Keynote 2 Experiences of Brutal Innovation in The New Safe Confinement Project at Chernobyl by Nicolas Caille, David Coulet and Simon Evans (Discussant: Naomi Brookes), Chaired by Niraj Thurairajah			Auditorium
Followed by a Panel Discussion on 'Disruptive Innovation' chaired by Lloyd Scott				
12:50 Lunch				Dining Hall
Room	Trust Room	Old Senior Common Room	Walter Grave Room	
Session 5	5A: Health, Safety and Wellbeing - Chair: Christine Räisänen	5B: Building Information Modelling - Chair: Ajibade Aibinu	5C: Building Information Modelling - Chair: Chris Harty	
13:50 - 14:50	Getting high on the scaffolding? Construction safety, legalised marijuana and worker impairment – <i>Sherratt, Welfare, Hollowell and Tania</i>	How BIM is assessed using Arup's BIM maturity measure? – <i>Azzouz and Hill</i>	Receptiveness for change: The case of a public client – <i>Lindblad and Karrbom Gustavsson</i>	
	Sizwe Banzi is dead: The aberrant case of construction sector identity – <i>Hammond and Cattell</i>	The potential communication and cooperation between China and UK based on the application of BIM in the Chinese market – <i>Ye, Tang, Jiang and Chen</i>	Organizing for digitization in firms: A multiple level perspective – <i>Morgan</i>	
	A hermeneutical analysis of brutalism, equality and diversity in innovative construction – <i>Ejohwomu and Igwilo</i>	Integrating BIM and GIS in railway projects: A critical review – <i>Kurwi, Demian and Hassan</i>	Social capital, social network and diffusion of BIM practices – <i>Mohd Ishak, Esa and Ismail</i>	
Room	Upper Hall 1	Gaskoin Room	Music Room	
Session 5	5D: Environmental Management and Sustainability - Chair: Colin Booth	5E: Women in Construction - Chair: Shu-Ling Lu		
	Low energy innovations in building construction: A review of the challenges – <i>Kesidou</i>	Women in quantity surveying: A new career approach – <i>Bowes</i>	This room is free for anyone who wishes to use for meetings from 13:50hrs to 14:50hrs.	
	Zero carbon construction sites: A new call to action – <i>Tutesigensi</i>	South African female construction students' perceptions of gender and sexism and preparation by their university – <i>Alvez and English</i>		
	Exploring the influence of austerity on the sustainability performance delivered within four Spanish hospital projects – <i>Martinez and Thomson</i>	Attracting and retaining women professionals in construction: A work-stress management perspective – <i>Kamardeen and Sunindijo</i>		

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Room	Trust Room	Old Senior Common Room	Walter Grave Room
Session 6	6A: Disaster and Resilience - Chair: Colin Booth	6B: Planning and Performance Management - Chair: Chris Gorse	6C: Building Information Modelling - Chair: Ajibade Albinu
15:00 - 15:40	A change of scene: How the Canterbury earthquake sequence led to a departure from concrete technologies – <i>Gjerde</i>	Is the smart safety vest a brutal innovation? Evaluation of microclimate performance using a thermal manikin – <i>Edirisinghe and Jadhav</i>	Grasping brutal and incremental BIM innovation through institutional logics - <i>Papadonikolaki</i>
	Developing resilience in subcontracting organisations during disaster recovery – <i>Wilkinson, Piri and Chang-Richards</i>	‘Smart’ motorway innovation for achieving greater safety and hard shoulder management – <i>Callaghan, Avery and Mulville</i>	Learning ecology for digital transformation in construction projects – <i>Gangatheepan, Thurairajah and Lees</i>
Room	Upper Hall 1	Gaskoin Room	Music Room
Session 6	6D: Planning and Performance Management - Chair: Obuks Ejohwomu	6E: Planning and Performance Management - Chair: Christine Räisänen	6F: Environmental Management and Sustainability - Chair: Alex Copping
	Lies, damned lies and quality management systems: A pilot case study – <i>Brooks and Spillane</i>	How do project based organisations develop, implement and follow up on strategies and objectives? - <i>Simu</i>	Life cycle cost analysis: Green vs conventional buildings in Sri Lanka – <i>Weerasinghe, Ramachandra and Thurairajah</i>
	Soft interventions in a hard world of lean – <i>Boyd and Talliss (Drovosekova)</i>	A critical analysis of strategic performance measurement in supporting estate decisions in NHS Scotland – <i>Rodriguez-Labajos, Thomson and O'Brien</i>	Trade-off between life cycle cost and greenhouse gas emission in construction projects – <i>Panwar and Jha</i>
15:40	Refreshments Upper Hall 2		
16:00	ARCOM AGM Trust Room		
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16:40 – 18:30	Meet The Editors: What constitutes ‘novelty’ in the field of construction management research? (Chaired by: Linda Clarke)	Knowledge Café: Brutal Innovation and Sustainable Development Goals (Convened by: Alex Opoku and Christian Thuesen)	
		Reporting corporate sustainability and the challenges of political rhetoric – <i>Duwebi, Gorse, Sturges and Bates</i>	
19:15	Informal drinks followed by Conference Dinner Fitzwilliam Hall		

Wednesday 6th September

08:30 Late registration				Auditorium
09:00 Langford Spotlight on Collaboration Chaired by Fred Sherratt				Auditorium
<p>The collaborative journey: Riding the bumps of the institutional landscape – <i>Grove, Dainty, Thomson and Thorpe</i></p> <p>Integrated project emerging within the daily project life through active participation – <i>Kokkonen</i></p> <p>Adapting novel research techniques to analyse collaboration in offsite manufacturing housing construction innovations – <i>Pablo, London and Wong</i></p> <p>Collaboration in early design: An action research approach to collective thinking – <i>Grosse and Karrbom Gustavsson</i></p>				
10:30 Refreshments				Upper Hall 2
Room	Trust Room	Old Senior Common Room	Walter Grave Room	
Session 7	7A: Technology - Chair: Shu-Ling Lu	7B: Health, Safety and Wellbeing - Chair: Emmanuel Aboagye-Nimo	7C: Disaster and Resilience - Chair: Craig Thomson	
11:00 - 11:40	Epistemological differences and new technology in construction – <i>Dowsett, Harty and Davies</i>	Safe construction sites: A comparative of worker and management perspectives from India – <i>Bhagwat and Delhi</i>	Disaster risk reduction conceptual framework: Open data for building resilience in critical infrastructure – <i>Eltinay and Egbu</i>	
	The role of objects for institutional work in energy efficient renovation – <i>Svensson and Gluch</i>	Corporate governance, incentive schemes, and safety performance in the construction industry – <i>Zhang and McDermott</i>	Creating an opportunity to innovate during disaster recovery – <i>Wilkinson, Noktehdan, Shahbazpour and Cameron</i>	
Room	Upper Hall 1	Gaskoin Room	Music Room	
Session 7	7D: Collaboration - Chair: Vivien Chow	7E: Social Responsibility - Chair: Paul W Chan		
	What's the benefit: A personal story of a researching manager? – <i>Grosse</i>	An exploration of sustainability drivers of sustainable regeneration projects: The UK construction organisations' perspective – <i>Akotia and Parneet</i>	This room is free for anyone who wishes to use for meetings from 11:00hrs to 12:00hrs.	
	Mobilizing an action research programme in a live construction project setting – <i>Collinge and Connaughton</i>	Motivations and barriers to social procurement in the Australian construction industry – <i>Reid and Loosemore</i>		



Wednesday 6th September

Room	Trust Room	Old Senior Common Room	Walter Grave Room	Upper Hall 1
Session 8	8A: Social Responsibility - Chair: Andrea Jia	8B: Technology - Chair: Chris Gorse	8C: Human Resource Management - Chair: Paul W Chan	8D: Social Responsibility - Chair: Craig Thomson
11:50 - 12:30	The road to hell: Worker health, safety and wellbeing within UK corporate social responsibility practices – <i>Sherratt and Sherratt</i>	Exploring visual asset management collaboration: Learning from the oil and gas sector – <i>Leon, Ahiaga-Dagbui, Fleming and Laing</i>	Towards the use of knotworking for increasing innovation in construction projects – <i>Klitgaard, Beck, Andersen, Jeppesen, Nissen and Buhl</i>	Can corporate volunteering help address the UK construction skills shortage? – <i>Loosemore and Bridgeman</i>
	Engagement as enrolment: An exploration of the power dynamics of public engagement processes – <i>Chow and Leiringer</i>	Prioritising object types of industrial facilities to reduce as-is-modelling time – <i>Agapaki and Brilakis</i>	A human touch: Examining the roles of middle managers for innovation in contractors – <i>Beemsterboer and Koch</i>	Populating the social realm: Examining new professional actors related to employment requirements – <i>Petersen and Gluch</i>
12:30	Closing Remarks and Look Ahead to Building a Productive Relationship: Balancing Integration and Fragmentation in ARCOM 2018			Auditorium
13:00	Lunch			Dining Hall