



Construction Business and Project Management Conference, 23-25 April 2025

Venue: ONLINE, and UCT Graduate Business School, V&A Waterfront Cape Town

Theme: ADVANCING MULTIDISCIPLINARY APPROACHES FOR SUSTAINABLE CONSTRUCTION AND PROJECT MANAGEMENT

Day 2- Thursday, April 24th

2025-04-24	08:30-09:00	Registration and Welcome (Prof. Abimbola Windapo)	
2025-04-24	09:00-09:30	Keynote Address : Deputy Minister Sihle Zikalala (<i>Policy as a Catalyst: Government Strategies for Integrating Sustainability into Construction and Project Management in South Africa</i>)	
Session 1: Day 2: Session A			
2025-04-24	09:30-10:50	Innovative Use of Technology (Session Chair: Prof. Ayodeji Aiyetan)	Sustainable Design in the Construction Industry/Sustainable Material Production (Session Chair: Dr Senator Okosun)
	09:30-09:50	38 Exploring the Advantages of Bim-Iot Integration in Enhancing Construction Health and Safety: <i>Mojtaba Amiri, Ehsan Saghatforoush and Samuel Laryea</i>	3 Leveraging on Sustainable Building Designs: Exploring the Drivers and Satisfaction of Smart Lighting in Student Housing in Ghana: <i>Iruka Chijindu Anugwo, Williams Miller Appau, Elvis Attakora-Amaniampong and Frederick Simpeh</i>
	09:50-10:10	37 Key Drivers of Wearable Technology Usage for Worker Safety on Construction Sites in Nigeria: <i>David Ebiloma and Clinton Aigbavboa</i>	4 A Review of Model Building By-Laws for Incorporating Sustainable Construction Material Utilisation in Zimbabwe: <i>Cynthia Moyo, Tirivavi Moyo and Mable Vongai Mudombo</i>
	10:10-10:30	36 Strategies for Blockchain Technology Adoption in Facility Management Practices in Nigeria: <i>David Ebiloma</i>	27 Untapped Resources: Locally Available Building Materials in South-Western Nigeria: <i>Olugbenga Fashuyi and Amira Osman</i>
	10:30-10:50	47 A Scoping Review on the Role of 3D Printing in Construction: Revolutionizing Design and Reducing Waste: <i>Thalente Nkosi, Sibongile Dlamini and Ongezwa Nakin</i>	40 A Systematic Review on the use of Quarry Dust in South African Construction Industry: <i>Izuchukwu Nwokocha Clement, Chikezirim Okorafor and Darlington Ikegwuoha</i>
2025-04-24	10:50-11:10	Session: Tea Break	



Session 2: Day 2: Session B

2025-04-24	11:10-13:10	Innovative use of technology (Session Chair: Dr. Iruka Anugwo)		Sustainable Construction/Net-Zero in Construction (Session Chair: Dr. Chikezirim Okorafor)	
	11:10-11:30	48	Digital Solutions for the Management of Wastewater Storage for the Mining Industry: <i>Leah Ledwaba and Makgopa F Tshehla</i>	12	Promoting the Adoption of Sustainable Environmental Technologies in Ghana's Construction Sector: A Quantitative Study of Key Drivers: <i>Harold Adjarko, Iruka Anugwo and Ayodeji Aiyetan</i>
	11:30-11:50	58	Energy-Efficient Upgrades for Educational Buildings: A Roadmap to Carbon Neutrality: <i>Ayobami Idowu, Clinton Aigbavboa, Ayodeji Oke and Seyi Stephen</i>	11	Quantitative Assessment of Environmental Challenges Hindering Sustainability in the Ghanaian Construction Industry: Implications for Sustainable Development: <i>Harold Adjarko, Iruka Anugwo and Ayodeji Aiyetan</i>
	11:50-12:10	14	Port Efficiency: The Implication of Block Chain Technology in the Construction Material Supply Chain: <i>Adeola Oluwatoyin Osundiran and Tshehla Makgopa</i>	55	Sustainable Construction Policy Constraints in Nigeria: Stakeholders Perspective: <i>Nishani Harinarain and Ayotunde Babalola</i>
	12:10-12:30	52	Appraisal of Building Information Modelling Implementation on Construction Project Performance in Nigeria: <i>Victoria Akinola</i>	35	Barriers to effective construction waste reduction: A study of contractors in the Eastern Cape Province, South Africa: <i>Nontlahla Mphako, Athenkosi Sogaxa and Lance Wentzel</i>
	12:30-12:50			15	Nature-Based Solutions and Materials Promoting Net-Zero Construction in South Africa: Trends and Insights from a Bibliometric Review: <i>Nana Akua Gyadu-Asiedu, Clinton Aigbavboa and Seyi Stephen</i>
2025-04-24	12:50-14:30	Session: Lunch Break			

Session 3: Day 2: Session C

2025-04-24	14:30-16:30	Strategic Management and Leadership in construction (Session Chair: Prof. Justus Ngala Agumba)		Sustainability and Facility Management/SME (Session Chair: Prof. Modupe Mewomo)	
	14:30-14:50	16	Developing an Inclusive Leadership-Psychological Safety Relationship Framework to Foster	62	Readiness of Facilities Management Organisations for Bim Adoption in Facilities Management Functions:



			Creative Performance in the Nigerian Built Environment: <i>Tosin Emmanuel Oladele, Modupe Cecilia Mewomo and Jacob Olumuyiwa Ikotun</i>		<i>Brent Cloete, Justus Ngala Agumba, Oluseyi Julius Adebowale and Chris Meyer</i>
14:50-15:10	51		Unveiling the Key Drivers of Successful Operations Management in Construction Subcontracting: <i>Henok Hailu and Makgopa Tshehla</i>	63	An Exploratory Evaluation of the Factors that Impact the Adoption of Innovative Sustainable Building Materials in Housing Construction Across Socio-Economic Contexts: <i>Kabemba Steve Ngoy, Esona Daweti, Relebohile Molise, Darmarajan Chinasamy and Abimbola Windapo</i>
15:10-15:30	29		The Effectiveness of Supply Chain Management in Enhancing Project Management Outcomes: <i>Jey Difference Nyalungu</i>	66	Factors Influencing the Adoption of Sustainable Practices in Facility Management: <i>Chioma Okoro</i>
15:30-15:50	56		Adapting Marketing Strategies in a Post-Pandemic Digital Landscape: Insights from Project Managers: <i>Nishani Harinarain</i>	46	Growth Constraints of Domestic Construction Firms in Emerging Economies: <i>Henok Hailu and Makgopa Tshehla</i>
15:50-16:10	30		Barriers to the Adoption of Emerging Technologies for Quality Management in Construction Projects in Nigeria: <i>Innocent Chigozie Osuizugbo, Chikezirim Okorafor and Victor Olukayode Iyanda</i>		
16:10-16:30	24		Smme Collaboration Dynamics in International Construction Joint Ventures in Harare, Zimbabwe: <i>Pride Ndlovu, Lionel Bvute, Prisca Simbanegavi, Malcolm Weaich and Faranani Gethe</i>		
16:30-17:00					Session: Tea Break
End of Day 2					



Day 3 - Friday, April 25th

2025-04-25	09:00-09:30	Address : Professor Ayyoob Sharifi (<i>Measures and Strategies for Climate Change Adaptation and Mitigation in Urban Areas</i>)	
Session 4: Day 3: Session A			
2025-04-25	09:30-11:10	Construction Health and Safety (Session Chair: Prof. John Smallwood)	Construction Education/Women in Construction/ Mental Health and Wellbeing (Session Chair: Prof. Makgopa Tshehla)
	09:30-09:50	10 Exploring Shame in Construction Health and Safety in South Africa: <i>Professor Clinton Aigbavboa, John Aliu, Douglas Aghimien and Bankole Awuzie</i>	21 Assessing the Barriers to Online Learning in Built Environment Programmes: <i>Sakinah Abdulfatah, Hassan Adaviriku Ahmadu, Rilwan Shuaib Abdulrahman, Amina Sani Bashir and Muhammad Aliyu Yamusa</i>
	09:50-10:10	17 Developing a Safety Competence Evaluation Framework for Artisans in the Nigerian Construction Industry: <i>Mubarak Reme Ibrahim, Usman Sulaiman Jibril, and Mu'awiya Abubakar</i>	6 Enhancing Gender Equality Policies for promoting women's participation in the Zimbabwean construction sector: <i>Modesta Mupondi, Tirivavi Moyo and Cynthia Moyo</i>
	10:10-10:30	18 Assessment of Factors Affecting Workers' Hazard Recognition in Construction: <i>Mu'awiya Abubakar, Yahaya Makarfi Ibrahim, Kabiru Bala, Ahmed Doko Ibrahim and Muhammad Aliyu Yamusa</i>	5 Initiatives for Physical Well-Being Improvement for Construction Workers in Zimbabwe: <i>Cynthia Moyo, Tirivavi Moyo and Wedzerai Mateza</i>
	10:30-10:50	61 Impact of Barriers to Implementing Health and Safety Practices for Construction Workers' Productivity in SMMES: <i>Nomaswazi Nyeleti Malumbete, Justus Ngala Agumba, Oluseyi Julius Adebawale and Nazeem Ansary</i>	59 The Challenges to Women Progression in the Construction Industry: An Investigative Study: <i>Abimbola Windapo, Olugbenga Oladinrin, João Alencastro, Dineo Mbekwa, Christiana Ekpo, Muhammad Rana and Amanda Filtane</i>
	10:50-11:10	50 Why I registered for Construction Management: <i>John Smallwood</i>	30 Barriers to the Adoption of Emerging Technologies for Quality Management in Construction Projects in Nigeria: <i>Innocent Chigozie Osuizugbo, Chikezirim Okorafor and Victor Olukayode Iyanda</i>
2025-04-25	11:10-11:30	Session: Tea Break	



2025-04-25	11:30-12:00	Address : Professor Celestine Iwendi (<i>Shaping the Future of Higher Education through Adaptive Learning and AI</i>)	
Session 5: Day 3: Session B			
2025-04-25	12:00-13:20	Infrastructure Development (Session Chair: Mr. Fabio Companie)	Procurement Innovation and Transformation (Session Chair: Dr. Steve Kabemba)
	12:00-12:20	26 Institutional Challenges in the Delivery of Public School Infrastructure in Kwazulu-Natal: <i>Sibongile Dlamini and Thalente Nkosi</i>	8 Client and Construction Machinery Related Factors Influencing the Selection of Contract Procurement Method in Kwazulu Natal Province in South Africa: <i>Ayodeji Aiyetan and Blessing Ayodabo</i>
	12:20-12:40	41 Investigating Underutilization of the Municipal Water Infrastructure Grant (Mwig) in Leekwa-Teemane Local Municipality (Ltlm): <i>Faranani Gethe, Karabo Ramaleba, Sandiso Mgcodo and Thetshelesani Makhuvha</i>	32 An Appraisal of Procurement Challenges Facing Emerging Contractors in Public Sector Projects in South Africa: <i>Bangani Sibabalo Edmond, Modupe Cecilia Mewomo, Cyril Chinonso Ejidike, Bondinuba K Francis and Collins Ameyaw</i>
	12:40-13:00	54 Critical Review of the Challenges of Financing Renewable Energy Development in Sub-Saharan Africa: – <i>Sam Wamuziri</i>	44 Evaluating the Current Tender Adjudication in the Western Cape Province, South Africa: <i>Babalwa Damba, Xolani Nghona, Luviwe Bikitsha, Athenkosi Sogaxa and Senator Endurance Okosun</i>
	13:00-13:20	64 Navigating Formal Land Acquisition Channels for Construction Projects in Lagos: Issues and Challenges: <i>Daramola Olapade, Justus Ngala Agumba and Rudzani Glen Muthelo</i>	31 Predictive Analytics and Stochastic Programming for Construction Resource Optimization in Developing African Economies: <i>Frederic Mirindi and Derrick Mirindi</i>
2025-04-25	13:20-14:00	Session: Lunch Break	
2025-04-25	14:00-14:30	Guest Speaker: Mr Jaco De la Rey (<i>Poorly Presented or Supported Construction Claims: Lack of Skill or Deliberate Strategy?</i>)	
Session 6: Day 3: Session C			
2025-04-25	14:30-16:30	Contract Management/ Costing and Scheduling in the Construction Industry (Session Chair: Prof. Molusiwa Stephan Ramabodu)	Artificial Intelligence in Construction and Project Management/Construction-related Disaster Management/Productivity (Session Chair: Dr. Amanda Filtane)

14:30-14:50	23	A Conceptual Framework for Managing Employer's Claims in Mega Construction Projects: <i>Makgopa Tshehla</i>	9	Exploring Integration of Artificial Intelligence in Construction Bid Automation: <i>Oscar Kwame Kwasafo, Samuel Laryea and Neil Govender</i>
14:50-15:10	25	The Causes and Impact of Late Payments in the Construction Industry: <i>Ayabulela Bongco and John Smallwood</i>	33	Digital Transformation of Construction and Project Management through Artificial Intelligence: <i>Aju Omojokun Gabriel and Mokgohloa Kgabo</i>
15:10-15:30	45	Effectiveness of Existing Insurance Frameworks in Addressing the Risks of Contractors: <i>Samuel Sarpong Oppong, Cecelia Mewomo Modupe, Francis Bondinuba Kwesi, Anthony Nansie and Anthony Bangdome Dery</i>	49	A Systematic Review of the Current State of Artificial Intelligence Adoption in South Africa's AEC Sector: <i>Desiree Elizabeth Naidu and Dr Zakheeya Armoed and Prof Modupe Mewomo</i>
15:30-15:50	20	Developing a Cost Estimating Conceptual Framework that Leverages on Knowledge: <i>Amina Sani Bashir, Baba Adama Kolo, Mustapha Abdulrazaq, Hassan Adaviriku Ahmadu and Amina Sani Bello</i>	13	Bringing Change in Construction: Analysing Strategies for Managing Cybersecurity Disasters in the South African Construction Industry: <i>Seyi Stephen, Clinton Aigbavboa, Jummai Bello and Ayodeji Oke</i>
15:50-16:10	43	Inflation and Quality Attributes in Construction Projects in Cities: An Empirical Analysis of the Federal Capital Territory (FCT) Abuja, Nigeria: <i>Daniel Adamu, Senator Endurance Okosun, Athenkosi Sogaxa, Kelvin Omoufeba Okosun and Idoko Otohi</i>	42	A Systematic Literature Review on Emergency Response Systems and their Impact on Infrastructure Resilience: <i>Haruna Domanamwin Abudu, Cecilia Modupe Mewomo, Kofi Owusu Adjei and Francis Kwesi Bondinuba</i>
16:10-16:30	60	Disputes on Construction Projects: The Role of Procurement Methods and Payment Strategies: <i>Abimbola Windapo and Muhammad Limalia</i>	65	A Literature Review of Construction Labour Productivity: A 30-Year Global Perspective: <i>R Suresh Kumar, Oluseyi Julius Adebawale, Justus Ngala Agumba and Loganathan Krishnaraj</i>
			67	Assessment of the Perceived Impact of Flooding and Climate Change on Construction Projects in Nigeria:



*Okosun Senator Endurance, Olatunji Solomon
Ayodeji, Zakka Solomon Dyachia, Ayo-Odifiri
Oisasoje Solomon and Okosun Omoufeba Kelvin*

2025-04- 16:30-
25 16:50

Closing and Presentation of Certificates

2025-04- 16:50-
25 17:00

Session: Tea Break

End of Day 3
