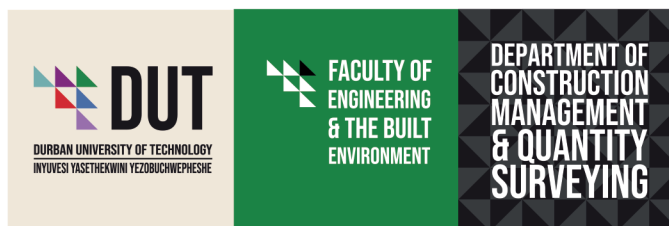


13TH CIDB POSTGRADUATE CONFERENCE



International Conference Centre, Durban, South Africa
12 – 14 February 2025

PROGRAMME

DAY 1 - WEDNESDAY 12 FEBRUARY 2025

TIME	EVENT	VENUE
12:00 – 16:00	Registration and Welcome	Main Auditorium
Master Classes		
16:00 – 16:40	Prof Clinton Aigbavboa , Director - CIDB Centre of Excellence, Department of Construction Management & Quantity Surveying, University of Johannesburg	Main Auditorium
16:40 – 17:20	Dr Douglas Aghimien , University of Johannesburg	
17:20 – 18:00	Dr Murendeni Liphadzi , University of Johannesburg	
18:00 – 20:00	Cocktail Networking Session	

DAY 2 - THURSDAY 13 FEBRUARY 2025

Chair: Prof Katleho Moloi Acting Deputy Dean of the Faculty of Engineering and the Built Environment, Durban University of Technology

TIME	EVENT	VENUE
08:00 - 09:00	Registration, welcome tea and coffee	Main Auditorium
09:00 - 09:10	Welcome address by Prof Sudesh Rathilal , Acting Executive Dean of the Faculty of Engineering and the Built Environment, Durban University of Technology, South Africa	
09:10 - 09:20	Welcome address by Mr Khulile Nzo , Board Chairperson -CIDB	
09:20 - 09:40	Welcome address by Prof Molusiwa Ramabodu , HOD, Department of Construction Management and Quantity Surveying, University of Durban University of Technology South Africa	
09:40 - 10:10	Keynote address by Mr Lufuno Ratsiku , President of SACPCMP	
10:20 - 10:50	Keynote address: Prof Emmanuel Adinyira , Immediate past Vice-Dean of the Faculty of Built Environment at the Kwame Nkrumah University of Science and Technology-	
10:50 - 11:20 TEA BREAK		

Breakaway Session One: 11:20 - 13:20 (15 minutes per paper including 5 minutes of Q&A)

TIME	ROOM 1	ROOM 2	MAIN AUDITORIUM
	AI in Transforming Construction Education Chair: <i>Dr D Aghimien</i>	Infrastructure Development and Management Chair: <i>Prof M Mewomo</i>	Artificial Intelligence (AI) as a Monitoring Tool in Construction Chair: <i>Dr S O Ametepey</i>
11:20 - 11:40	Leveraging Technology in Construction Education: Engaging Students through Digital Innovations. <i>Thalente Nkosi</i>	Challenges of Efficient Information Management in Construction Project Management: A South African Perspective <i>Opeoluwa Akinradewo</i>	Key Strategies for Effective AI Implementation in Construction Information Management (CIM): Insights from the South African Construction Industry <i>Mayowa Adedapo Ogungbe</i>
11:40 - 12:00	Built Environment Synergies: A Multidisciplinary Integration of BIM in Higher Education. <i>Bogolo Ntombela</i>	The barriers to sustainable housing development in South Africa <i>Boitumelo Mogashoa</i>	Formulating a Methodology to Develop a Construction Bid Automation Model <i>Oscar Kwame Kwasafu</i>
12:00 - 12:20	Service-learning: Facilitating Optimal Student Engagement Through Improved Levels of Preparedness <i>Thabo Khafiso</i>	Challenges in sustainable construction practices and its impact on project management efficiency: A Case-study <i>Morena William Nkomo</i>	Assessing Challenges Associated with The Operation and Maintenance of Smart Building: A Systematic Review Approach <i>Dr Iruka Anugwo</i>
12:20 - 12:40	Assessing the influence of Artificial Intelligence (AI) as a monitoring tool for effective construction cost management <i>Khomotho Nester Mokhojane</i>	Addressing Violence and Extortion in South Africa's Construction Sector: Multi-Stakeholder Approaches for Sustainable Development <i>Opeoluwa Akinradewo</i>	An Assessment of Crane Accidents in the Kwazulu-Natal Construction Industry in South Africa <i>Prof Ayodeji Aiyetan</i>
12:40 - 13:00	Beyond the classroom: innovative tech-driven learning environments for future built environment professionals <i>Rotondwa Benevolence Nemakhavhani</i>	The implementation of sustainable construction project management to deliver sustainable housing in South Africa <i>Boitumelo Mogashoa</i>	Aspects influencing integrated maintenance management of public hospitals in the eThekweni Region <i>Nqubeko Dludla</i>
13:00 - 13:20	Building Intercultural Competencies in Built Environment Students: The Role of COIL in Construction Education. <i>Nolwazi Qumbisa</i>	Violence and Extortion in South Africa's Construction Sector: Mitigation Efforts and Way Forward <i>Opeoluwa Akinradewo</i>	
13:20 - 14:00 LUNCH AND NETWORKING BREAK			

Breakaway Session Two: 14:35 - 16:50 (15 minutes per paper including 5 minutes of Q&A)

TIME	ROOM 1	ROOM 2	MAIN AUDITORIUM
	AI in Transforming Construction Education Chair: Mr S Mbeki	Digitalization in the Construction Industry Chair: Dr M Liphadzi	Building Information Modelling (BIM) and Digital Collaborations Chair: Prof A Aiyetan
14:00 - 14:20	The Impact of Digital Technology as Pedagogical Tools for Construction Education at Higher Educational Institutions Nosabelo Sila	Enhancing Resource Efficacy in a Complete Construction System Through a Digital Twin Approach Thomas Olakitan OKIMI	Effects of Poor Health and Safety Practices on Worker Welfare and Compliance in South African SME Contractors Dr Nokulunga Xolile Mashwama
14:20 - 15:00	Exploring the Potential of Large Language Models in Construction Education and Training: Advancing Learning and Skill Development Nana Akua Asabea Gyadu-Asiedu	Digital technologies used by South African construction firms (Contractors and Consultants) Sidumisile Sipiwe Siziba	Towards Impacting the BRICS Future Skills Challenge for Skills Development in BIM Across BRICS Nations Nkcubeko Luthando Madikazi
15:00 - 15:20	Perceived factors contributing to biases in machine learning algorithms in the South African construction industry Toluwanimi Ogunade	Assessment of the impact of digital technologies on developing contractors in the South African Construction Industry Womotimi Allen Ekubo	Integrating BIM and e-Tendering for Modernizing Public Procurement Kgangeile David Jakwe
15:20 - 15:40		A bibliometric Analysis on the state of Digitalization within the National Home Builders Registration Council of South Africa Rakshana Nageshar	A Theoretical Review of Diverse Transformative Assessment Strategies to promote equity and inclusion in Higher Education Institutions Dr Nokulunga Xolile Mashwama
15:20 - 16:00 REFRESHMENT BREAK			
	Innovations in Construction Education Chair: Dr Samuel H P Chikafalimani	Gender Inequality in AI and Construction Chair: Dr Nokulunga Mashwama	Sustainable Construction Practices Chair: Dr IC Anugwo
16:00 - 16:20	Exploring the drivers, barriers, and implications of digital technology adoption in South African construction firms (contractors and consultants) Sidumisile Sipiwe Siziba	Exploring the Barriers that hinder the retention of Women in the South African Built Environment Workforce Thandeka Makhathini	Impact of Construction Industry on Environmental Sustainability in Uganda: A Systematic Review and Meta-analysis Julius Caesar Kwio-Tamale
	An Assessment into the challenges faced by Construction Management Graduates in Progression Towards Professional Status: Case of Durban University of Technology 2014 - 2017 Graduates Ayanda Lushaba	Understanding Career Hurdles and Motivational factors for female Professionals in South Africa's Construction Sector Hlumela Zungu	A Pathway to Sustainable Housing: Breaking Down the Barriers to Modular Integrated Construction Adoption in Developing Countries Abdulgafar Dotun Oyelola

DAY 3 - FRIDAY 14 FEBRUARY 2025

Chair: Dr Z Armoed, Senior Lecturer, Department of Construction Management and Quantity Surveying, Durban University of Technology

TIME	EVENT	VENUE
08:00 – 09:00	Welcome tea and coffee	Main Auditorium
09:00 - 09:20	Welcome address by Prof Moloi , Deputy Dean, Faculty of Engineering and the Built Environment	
09:20 - 09:50	Keynote address by Dr Claudia Loggia , Associate Professor at the School of Built Environment & Development Studies (SoBEDS), University of KwaZulu-Natal	
09:50 - 10:20	Keynote address by Dr Gilberte Mare Lincoln , Associate Director, Town and Regional Planning, Durban University of Technology	
10:20 - 10:50	Keynote address by Prof. Emmanuel Ayodeji Oke , Associate Professor and Associate Director of the Centre for Research and Development (CERAD), The Federal University of Technology, (FUTA), Nigeria	
10:50 - 11:20 REFRESHMENT BREAK		

Breakaway Session Three: 11:40 - 12:00 (15 minutes per paper including 5 minutes of Q&A)

TIME	ROOM 1	ROOM 2	MAIN AUDITORIUM
	Creating Innovative and Sustainable Learning Environments Chair: Dr N Qumbisa	Circular Economy in Construction Chair: Dr OA Akinradewo	Women in Construction
11:20 - 11:40	Exploring the drivers influencing the integration of nature-based solutions in the Ghanaian construction industry Gloria Akanyawie Awnyetemy	Mapping the integration of circular economy in construction and demolition waste management: A mixed analysis Lungisile Siso Hlophe	A panel discussion on issues affecting women in the industry Moderated by Ms Thandeka Makhathini , CBE and Ms Zama Thusi , CIDB
11:40 - 12:00	Assessing the influence of workforce engagement and inclusion on team and individual productivity in construction project delivery in the Western Cape Province, SA Athenkosi Sogaxa	Overcoming Barriers to Biomimicry: Applying Nature-Inspired Strategies in Solid Waste Management Azeez Arisekola Jimoh	
12:00 - 12:40	Aspects Influencing Maintenance of Public Hospitals in the eThekwin Region Hlumela Zungu	Unlocking Circular Economy Potential in Solid Waste Management: A Systematic Analysis of Barriers and Success Factors Taofeek Adesola Nureni	



TIME	ROOM 1	ROOM 2	MAIN AUDITORIUM
	Creating Innovative and Sustainable Learning Environments Chair: Dr N Qumbisa	Circular Economy in Construction Chair: Dr OA Akinradewo	Women in Construction
12:40 - 13:00	Enhancing AI-Based Property Valuation in Data-Scarce Economies: A Systematic Review of Alternative Data Sources and Strategies Collins Tulikuno		
13: 00 – 13:30 CLOSING CEREMONY			
13:00 – 13:10	Reflections		Dr Ntebo Ngozwana
13:10 – 13:25	Award Ceremony – Best Paper Award		Prof Molusiwa Ramabodu , DUT and Mr Bongani Dladla , CIDB
13:25 – 13:30	Vote of thanks		Dr Msizi Myeza , CBE

