

DII - 2021

6-7 OCTOBER 2021

VIRTUAL VIA LIVINGSTONE, ZAMBIA

CONFERENCE PROGRAMME - BUILDING SMART, RESILIENT AND SUSTAINABLE INFRASTRUCTURE IN DEVELOPING COUNTRIES

DAY ONE (Wednesday, 6 th October 2021)			
https://us02web.zoom.us/j/82699524292?pwd=SFJbGhvcTM1aDFGUWpjOVFsMERtZz09			
09:00-09:05	Arrival and announcements- Prof Innocent Musonda – DII 2021 Scientific Chairperson		
09:05-09:10	Welcoming remarks: Prof. Yanxia Sun , <i>Vice Dean of the Faculty of Engineering and the Built Environment- UJ</i>		
09:10-09:30	Official opening of the conference and keynote: Prof Daniel Mashao , <i>Executive Dean of the Faculty of Engineering and the Built Environment- UJ</i>		
09:30-09:50	Keynote Address 1: Prof. Ephraim Munshifwa , <i>Dean of the School of the Built Environment at the Copperbelt University</i>		
09:50-10:15	Keynote Address 2: Mr Marios Ntaflos , <i>Engineer Mobility Analytics & Simulation CUBE, LEGION, LumenRT</i>		
10:15-10:15	Tea Break/Switching to Sessions		
Technical Sessions https://us02web.zoom.us/j/87355044210			
	Breakaway Session 1	Breakaway Session 2	Breakaway Session 3
	SUSTAINABILITY IN INFRASTRUCTURE DEVELOPMENT Session Chair: Dr Nuru Gambo	SMART INFRASTRUCTURE AND CITIES Session Chair: Dr Bupe G Mwanza	GENDER EQUITY, EMPOWERMENT, WELLNESS AND DEVELOPMENT Session Chair: Ms Kolosa Madikizela
10:15-10:30	Establishing a conceptual framework for developing sustainable building materials- A. Moghayedi, K. Le Jeune, M. Massyn, and P. Byron	People, People, everywhere; The Architectural Design Response for Enugu City, Nigeria- F. O. Okeke, F. O. Uzuegbunam, R.C. Nnaemeka-Okeke, and E. C. Ezema	Socioeconomic Status, Gender and Outcome Expectations of Career Choices of Students in Construction Programs in South Africa- M. Akinlolu and T. C. Haupt
10:30-10:45	On-site Infrastructure for Sustainable Water Resource and Wastewater Management for New and Old Residential Areas - F. M. Kakana and E. M. Mwanauomo	Data sharing in the construction industry: exploring the willingness of industry stakeholders in South Africa- T. O. Ayodele and K. Kajimo-Shakantu	Skills Development in The Construction Industry Through Road Maintenance Activities- L. Matshidze, and A. Windapo
10:45-11:00	Sustainability awareness for architectural, engineering and construction professionals in Zimbabwe- T. Moyo and B. Chigara	Nigeria Public Transport System and The Global Smart City Crusade J. J. Dukiya	The Impact of an Industry Summit on Health and Safety (H&S) Practitioners' Industry 4.0 Perceptions- J. Smallwood and C. Allen
11:00-11:15	Influence of Team Integration and Adaptability in Project Team Cohesion in the Namibian Built Environment J. Engelbrecht and C. Ferreira	Renewable energy: the catalyst for a sustainable energy distribution sector in South Africa- M. Bukula, B. Botha, D. Els and W. de Beer	Effects of machine accidents on project delivery in the KwaZulu-Natal construction industry- A. Mall and A. O. Aiyetan
11:15-11:25	Tea Break/Switching to Sessions https://us02web.zoom.us/j/87355044210		
	Breakaway Session 4:	Breakaway Session 5:	Breakaway Session 6:
	INFRASTRUCTURE, INVESTMENT AND FINANCE- TRENDS AND FORECASTS Session Chair: Dr Chabota Kaliba	INFRASTRUCTURE: ECONOMIC SUSTAINABILITY Session Chair: Dr Peter M, Mukalula	INFRASTRUCTURE: SOCIAL/ENVIRONMENTAL SUSTAINABILITY Session Chair: Dr Neema Kavishe
11:25-11:40	Exploring The Impact of Asymmetric Lock-In on Cost Overruns in Megaprojects: The South African Energy Sector Projects- N. Khatleli	The Effect of Real Estate Obsolescence on Economic Suitability- T. Mkhwe-Mafereka, B. Botha, D. Els and K. Ntakana	Evaluating the impact of leadership Styles and strategic decisions on the performance of contracting firms in South Africa A. Daworaz, D. Nooraully, K. Alade, L. Matshidze, and A. Windapo
11:40-11:55	Measuring Procurement Performance Using Sigma Level Metric- J. A. Ottou, B. K. Baiden, G. Nani and M. M. Tuuli	Handling financial implementation challenges of Public-Private Partnerships (PPPs) in Zambia- P. Mukalula	The Impact of Indoor Environmental Quality on Building Occupants Productivity and Human Health: A Literature Review- M. C. Mewomo
11:55-12:10	The Impact of Project Cost Management on Contractual Disputes in South Africa C. Amoah and C. van der Linde	A Framework for The Optimisation of Commercial Property Investment Opportunities in Africa- J. J. Gouws	Evaluation Of Current Maintenance Management Systems Adopted in South Africa: A Case Study of Public Facilities M. G Mavangwa, F. Simpeh and L. Wentzel
12:10-12:30	Session Chairs Report		
12:30-13:00	Lunch Break		
13:00-15:30	Panel Discussion https://us02web.zoom.us/j/82699524292?pwd=SFJbGhvcTM1aDFGUWpjOVFsMERtZz09		
	Discussants: Engr. Martin Manuhwa, Prof. Nuno Gil, Engr. Greshom Sichinga, Prof. Nthatisi Khatleli, Mr. Patrick Makape. Facilitator: Dr Sam Zulu		
15:30-15:45	Panel Discussion Outcome		
15:45	Closing for Day 1		



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DAY TWO

THURSDAY, OCTOBER 7TH, 2021

<https://us02web.zoom.us/j/82699524292?pwd=SXFJbGhvcTM1aDFGUWpjOVFsMERtZz09>

09:00-09:10	Arrival & Welcoming Remarks- Dr E Mwanaumo – DII 2021 Technical Chairperson		
09:10-09:35	Keynote Address 3: Dr David Oloke <i>Centre Director & Senior academic at the University of Wolverhampton</i>		
09:35-10:00	Keynote Address 4: Dr Jeffrey Mahachi , <i>Head of the School of Civil Engineering and the Built Environment, UJ</i>		
10:00-10:05	Tea Break/Switching to Sessions https://us02web.zoom.us/j/87355044210		
	Breakaway Session 1:	Breakaway Session 2	Breakaway Session 3
	QUALITY AND RESILIENT INFRASTRUCTURE Session Chair: Dr. Charles Kahanji	BIM, DIGITAL TWINS, AND INNOVATION Session Chair: Dr. Balimu Mwiya	ENVIRONMENTAL AND WASTE MANAGEMENT/FACILITIES & REAL-ESTATE MANAGEMENT Session Chair: Dr. Chioma Okoro
10:05-10:20	Poor management and maintenance of municipal infrastructure on socioeconomic development O. Mazele and C. Amoah	Research Trends of Human-Robot Teams/Robotics in Construction: A Scientometric Analysis A. Onososen and I. Musonda	Construction Waste Management Practices in the Construction Industry L. Nzima and E. Ayesu-Koranteng
10:20-10:35	Effective Management for Perceived Success of Infrastructure Development FOR SOE's F. Notununu, B. Botha and D. A. Els	South African Building Information Modelling and Organizational Size – a Quantity Surveyor's perspective B. Venter, S. P. Ngobeni and Hendri du Plessis	Success Rate and Implications of Contractual Claims Decisions on Contractors in South Africa J. Khangale, I. Musonda and C. Okoro
10:35-10:50	Assessment of African Countries Strategic Position to Leverage on China's Belt and Road Global Strategy I. C. Anugwo	Building Information Modelling in South Africa: Quantity Surveyors Perspective G. Bruhns and A. Deacon	Cost Efficiency: A Key factor for IT Outsourcing in Facilities Management- B. O. Ilori
10:50-11:05	On-time delivery of property development projects- T. L. Mkhwe-Mafereka, B. Botha and K. Ntakana	Barriers to successful BIM applications: A literature review T. James Olaonipekun and M.C. Mewomo	Impact of value engineering in road construction on cost, quality, and time management- F. M Kakana and E. M. Mwanaumo
11:05-11:20	Evaluation of the trend of residential mobility in Uyo, Nigeria G. O. Udo, A. K. Nwojo and U. E. Akpan	Occupational Health and Safety Hazards in the KwaZulu-Natal Construction Industry: Causes and Measures A. Mall and A.O. Aiyetan	Safety and Security in Urban Public Spaces as a significant component of Social Sustainability K. Ntakana, S. Mbanga and B. Botha
11:20-11:35	Session chair report		
11:35-11:45	Tea Break		
11:45-14:05	PhD. Poster Presentation https://us02web.zoom.us/j/87355044210		
14:05-14:20	Award Presentation <ul style="list-style-type: none"> • Best Student Research Paper • Best Conference Research Paper • Best PhD. Poster Presentation • Best Reviewer 		
14:20-14:25	Conference Chair Closing Remarks		

