



DII – 2018

11 – 13 July 2018, Livingstone, Zambia

**International Conference on Infrastructure Development
and Investment Strategies for Africa**

DII-2018 CONFERENCE PROGRAMME

WEDNESDAY, JULY 11, 2018

08:00 – 16:00	EESC-A Workshop
14:00 – 17:30	BIM Talk and workshop – Be Ready for the Digital Construction Industry
14:00 – 17:30	Use of GIS & Drones in Infrastructure Workshop
	Registration, Networking Opportunity & Welcome Cocktail

THURSDAY, JULY 12, 2018

07:00 – 08:00	Registration	
08:00 – 08:30	Welcome & Keynotes Chair: Dr Erastus Mwanauo – Assistant Dean Post Graduate, School of Engineering – <i>University of Zambia, Zambia</i> Vice Chancellor - Copperbelt University, Zambia	
08:35 – 09:00	The state of the construction industry- where to from here? Mr Mathew Ngulube – <i>Executive Director of the National Council for Construction (Conference Sponsor)</i>	
09:05 – 09:30	Organizational Contraptions: Adding Collective Action to Contractual Governance to Upgrade the Cairo’s Zabbaleen ‘Garbage Cities’ Prof Nuno Gil – <i>Professor of New Infrastructure Development, University of Manchester, United Kingdom</i>	
09:35 – 10:00	Transformative capability of Building information modelling in Architecture, Engineering & Construction (AEC) Prof Jose Carlos Lino - <i>Director of Executive Program in BIM for Owners & Developers and the International Master in BIM Management , Global Institute of Technology, Portugal</i>	
10:05 - 10:25	Tea break/Networking	
	Technical Sessions	
	Plenary Session 1	Plenary Session 2
	Theme: Sustainability and Development Goals in Infrastructure Development Session Chair: Dr Balimu Mwiya	Theme: Sustainability and Development Goals in Infrastructure Development Session Chair: Dr Ayodeji Aiyetan
10:30 – 10:50	Structural Health Monitoring of Highway Bridges in Zambia using Sensor Technology a Case Study of Nansenga Bridge Kasumba H. et al.	Preliminary survey of an Interplay between Infrastructure Development and Climate Change Vulnerability in Lusaka Chisumbe et al.
10:55 – 11:10	A System Thinking Model of the Impact of Dwelling Internal Heat on Carbon Emissions within the South African Housing Sector - Oladokun M et al.	Critical analysis of Design Standards for Zambia Transportation Infrastructure; the implication of Climate Change Kaonga et al.
11:15 – 11:30	A Conceptual Framework for Analysing Challenges to the Implementation of Environmental Management Plans (EMPs) in Construction Projects - Nyamazana P. et al.	Sustainability in Infrastructure Development, The Case of Output and Performance-Based Road Contracts – I Tembo et al.
11:35 – 11:50	Servitization in Construction: An Identification of Drivers Ramafalo R. et al.	Sustainability in Infrastructure Development, The Case of Output and Performance-Based Road Contracts – <i>Part I</i> Tembo Y. et al.
11:55 – 12:10	Critical Planning Considerations for PPP Road Project Sustainability: A Thematic Content Analysis and Case Study Okoro C. et al.	A Conceptual Model of the Socio-Technical Systems of Carbon Emissions Within the South African Housing Sector Oladokun et al.
12:10– 13:10	Lunch Break	
	Plenary Session 3 Chair: Dr Chabota Kaliba	
13:15 – 13:40	Keeping up with innovation: The challenge for the built environment education – Dr Sambo Zulu	
13:45 – 14:10	Technological development and skills transfer in mixed use infrastructure development and investment Mr. Maxwell Zulu – <i>Principal Planner & Manager at Lusaka South Multi facility economic Zone, Zambia</i>	
14:15 – 14:35	Tea Break/ Networking	
14:40 – 15:45	Interactive Panel discussion on Urban sustainability – EESC-A – Dr Rahim Rezaie, University of Toronto	
19:00 – 22:30	Gala Dinner - Platinum sponsored	



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FRIDAY, JULY 13, 2018

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	Keynotes Chair: Dr Franco Muleya
08:30 – 09:00	Total Zambia presentation UMCIL
09:00 – 09:25	Nuclear energy – Is Zambia ready? <i>Dr Lubinda Haabazoka – Socio-economic Commentator & Researcher, Director, Graduate School of Business, University of Zambia, Zambia</i>
09:30 – 09:55	Avoid or Exploit Institutional Voids? Organizational Duality in the Design of Capital Project Organizations in Emergent Markets <i>Prof Nuno Gil - Professor of New Infrastructure Development, University of Manchester</i>
10:00 – 10:20	Tea break/ Networking
Technical sessions	
Plenary Session 4	Plenary Session 5
Theme: Legislative & Institutional Frameworks in Infrastructure Development Session chair: Dr Gabriel Nani	Theme: Innovation in the Infrastructure Development Session chair: Dr Chipozya Silungwe
10:20 – 10:35	Effect of Pre-Qualification on Contractors' Selection Process in Construction Industry in Nigeria - <i>Adenaiya O.</i>
10:40 – 10:55	Bamboo an Alternative Wood to Reducing Tropical Deforestation in Ghana - <i>Akwada D. et al.</i>
11:00 – 11:15	Addressing Gender Inequality on Construction Sites in Bloemfontein: An Exploratory Study – <i>Awuzie B.</i>
11:20 – 11:35	Socio-Economic Factors influencing Smallholder Farmers Agricultural Infrastructure Availability, Accessibility and Satisfaction: A Case on North West Province in South Africa <i>Mazibuko N. et al.</i>
11:40 – 11:55	An Evaluation of Impact of Buildability Assessment on Building Project Delivery - <i>Olamaju et al.</i>
12:00 – 12:15	Bamboo Application in Infrastructure Development of Ghana <i>Akwada D. et al.</i>
	An Assessment of the Adequacy of Maintenance Activities in Public Higher Learning Institutions: A Case Study of the Copperbelt University - <i>Mutwale-Ziko et al.</i>
	Critical Success Factors for an Effective Performance of the Procurement Department Function. The Case of Local Government Offices in Ghana. - <i>Yevu et al.</i>
	The Green Building Movement in Zambia - <i>Sichali, M.</i>
	Assessing the Training Needs and Competencies for Quantity Surveying Graduates in the Zambian Construction Industry <i>Chiponde D. et al.</i>
	Barriers to Enhancing Environmental Sustainability of Construction Projects in Zimbabwe: Perspective of Construction Consultants - <i>Njere et al.</i>
	An Assessment of the Workplace Environment on Productivity and Delivery of Infrastructure - <i>Aiyetan A.</i>



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12:15-13:15	Lunch Break	
13:15 – 16:10	Plenary Session 6 Theme: Sustainability and Development Goals in Infrastructure Development Session chair: Dr Michael Mulenga	Plenary Session 7 Theme: Sustainability and Development Goals in Infrastructure Development Session chair: Mr Danstan Chiponde
13:20 – 13:35	An Assessment of Materials Management in Nigeria Construction Industry - <i>Olamaju et al.</i>	Designing a Multi Stakeholder Consultative Framework for Construction Health and Safety – Role of Client and Project Manager – <i>Mwanaumo et al.</i>
13:40 – 13:55	Towards Sustainable Infrastructure Development: Re-thinking Settlements in South Africa - <i>Ntakana et al.</i>	Sustainability in Infrastructure Development: Overcoming the Challenges Pertaining to the Supply of Electricity in Nigeria <i>Awoyokun et al.</i>
14:00 – 14:15	Exploring the Concept of Value for Money Assessment in Sierra Leone - <i>Massaquoi et al.</i>	Possibilities of Electronically Integrating Innovative Urban Public Transport Systems in the City of Tshwane – <i>Mbatha S. et al.</i>
14:15 – 14:35	Tea break/ Networking	
14:40 – 14:55	Critical Success Factors influencing Project Success in Infrastructure Projects - <i>Makabate et al.</i>	The SMME Contractors’ Business Survival Traits and Competitiveness - <i>Anugwo et al.</i>
15:00 – 15:15	Perception of Students about the Technician Profession in Science and Laboratory Technology <i>Sumary D.</i>	Multifaceted Financing Constraints in Public Infrastructure Investment and Development – <i>Xhala et al.</i>
15:20 – 15:35	Implementation of Environmental Management Plans: Key role players’ challenges in South Africa <i>Nyamazana P. et al.</i>	Assessment of occupational health and safety compliance in the Nigeria construction industry – <i>Arum et al.</i>
15:30 – 15:45	The Sacrifice of Groundwater by Urbanization: A glance at Ngwerere Catchment - <i>Phiri L.</i>	
15:50 – 16:10	Conference End and Closing DII Conference: Achievements and Road Ahead Prof Innocent Musonda (Scientific Chair) and Dr Erastus Mwanaumo (Technical Chair)	