

ARDHI UNIVERSITY



THE 2022 INTERNATIONAL CONFERENCE



DATE: 9th - 11th MARCH 2022

VENUE: APC BUNJU DAR ES SALAAM TANZANIA

***Theme: Pursuing Knowledge Frontiers on Land, Built Environment and Climate
Change Adaption for Sustainable Development***

Conference programme

DAY 1: 9th March 2022		
TIME	ACTIVITY	Responsible Person
08:00-09:00	Registration	All
09.00-09.10	Arrival and visiting exhibition Booths	Guest of Honour
09:10- 09: 20	Setting the Scene	Overall Moderator
09:20-09:30	Highlights on the Research Cooperation Programme	Prof Gabriel Kassenga, ARU Deputy Vice chancellor Academic Affairs
09:30-09:40	A Word from Sida	Representative, Embassy of Sweden in Dar es Salaam
09:40-10.00	Welcoming Remarks	Prof Evaristo Liwa, ARU Vice Chancellor
10:00-10:10	Welcome Remarks	Ambassador Salome Sijaona, ARU Council Chairperson
10:10-10:20	Address by Hon. Minister and Official Opening	Prof. Adolf Mkenda, Minister of Education, Science and Technology Minister of Education
10:20-10:30	Vote of Thanks	Dr Makarius Mdemu, ARU Deputy Vice chancellor, Planning and Finance Affairs
10.30-10.40	Group photo	Individual groups and Guest of Honor
10:40-11:30	HEALTH BREAK	ALL
	Policy dialogue Chair: Prof. Ally Namangaya	
11:30-12.:15	Key note address	Prof. Wilbard Kombe

	<i>Enabling equitable economic growth acceleration through research and innovation in Land and Built Environment Management</i>	
12:15-13:15	Panelist Discussion (15 Min Each)	
	<i>Climate change and environment pollution</i>	Prof. Robert Kiunsi
	<i>Urban space appropriation and inclusivity of Street Vendors (Machingas)</i>	<u>Prof. John Lupala, Dr. Daniel Mbiso and Mr. Edson Sanga</u>
	<i>Enhancing Land Management</i>	Dr. B. Mramba and Prof. J.L. Kironde
	<i>Construction and real estate development:</i>	Hon. QS Athumani Kipanga (MP) and Dr. Felician Komu
13:15-14:15	LUNCH BREAK	
14.:15-15:05	Contribution from other stakeholders (10 min Each)	
	Private sector	Ms. Agnes Batengas
	Civil societies	Ms. Mary Ndaro (CARE); Godfer Massay (LANDESA)
	Regulators	Chairperson NEMC Board: Prof. Esnath Chaggu
	Government: Commissioner for Lands	Mr. Mathew Nhonge
	Parliament: Chairman Parliamentary Committee on Land	Hon. Ally Juma Makoa (MP) Kondo Urban
15:05- 17:00	Q &A Discussion and deliberations	All

DAY TWO: 10th MARCH 2022

8:30-9:00	Registration			
	Breakout to Parallel Sessions			
	Room 1: Rhino (Main Hall)	Room 2 (Tai)	Room 3 (Zebra)	Room 4 (Nguchiro)
	Sub-theme: Finance and Governance <i>Chair: Dr. Sophia Kongela</i>	Sub-theme: Informality, Livelihoods, Urban Forms and Health <i>Chair: Dr. Mrema</i>	Sub-theme: Environment and climate changes Chair: Prof. Mengiseny Kaseva	Sub-theme: Informality, urban forms and health Chair: Prof. Alphonse Kyessi
9:00-9:15	Financing Compulsory Land Acquisition in Tanzania: Aligning Legal Requirements and Practices Case of selected Land Acquisition projects in DSM Authors: Elitruder Makupa, Samwel S. Alananga and Upendo M. Chamuriho	Spatial variability of microclimate and outdoor thermal comfort – focus on the informal urban fabric in warm humid Dar es Salaam: Authors: Modest Maurus Baruti, Erik Johansson, Moohammed Wasim Yahia.	Climate Change Vulnerability Assessment in Urban Planning Process. The Case of Dar es Salaam City, Tanzania. Authors: Nyashilu, I. M, Kiunsi R. K. and Kyessi, A.G	Does size matter? Land use planning in the small urban centres Author: Maglan Charles Sang'eno,
9:15-9:30	Community participation and land compensation in Sub-Saharan Africa's oil and gas projects: Is it a tale of legal inadequacies or elite capture in Tanzania? Authors: Lazaro Eliyah Mngumi ¹ , Said Nuhu ¹ , Matilda Ntiyakunze ¹ and Daniel Msangi ¹	Changing Meaning of Public Infrastructure for The Demand of Recreation and Leisure Spaces in Saturated Informal Settlements Case of pedestrian cross bridge in Manzese-Dar es salaam	Mainstreaming Climate Change in Spatial Planning Education: A Case of Ardhi University Authors: Albert Nyiti ¹ , Emmanuel	Peri-urbanisation policies in Sub-Saharan Africa: Rhetoric quest for Inclusive development Author: Philip Eliud

		Author: Edison Sanga	Nsekela Mariam Genes, Richard Prosper and Lilian Kakoko	
9:30-9:45	Securing Customary Land Tenure in Tanzania: Does Land Titling the End Point? Author: Janesta Urassa	Urbanization and Green Spaces Dynamics in Dodoma City, Central Tanzania. Author: Michael Makonyo	Integration of Environmental Issues in Land Policy, An Ideal Tool for Sustainable Development in Developing Economies. Authors: Erick Michael and S. Kironde	Residents and recent external urban migrants: Comparative analysis of health, social, economic and demographic features in the context of capital city transfer from Dar- es-salaam to Dodoma Author: Ramadhani Mtongwa,
9:45-10:30	Discussion	Discussion	Discussion	Discussion
10:30-11:00	HEALTH BREAK			
	Room1: Rhino (Main Hall)	Room 2 (Tai)	Room 3 (Zebra)	Room 4 (Nguchiro)
	Sub-theme: Finance and Governance/Land Investments <i>Chair: Prof. John Lupala</i>	Sub-theme: Informality, Livelihoods, Urban Forms and Health <i>Chair: Prof. Livin Mosha</i>	Sub-theme: Environment and climate changes Chair: Prof. Esnath Chaggu	Sub-theme: Municipal Services Chair: Dr. Dawah Mushi
11:00-11:15	Effectiveness of Financial Planning on Public Sector Performance in Tanzania Author: James Daniel	Determinants of land rights in informal settlements in Tanzania	Assessment of the Adoption of Net Zero Carbon Principles in	Unpacking the Role of Local Actors and Institutions dynamics in Domestic Water

		Author: Kerbina Moyo	Tanzania Higher Learning Institutions Authors: Balbina Gullam Lukuba Sweya	Governance in a Small Town at the Rural-Urban Dichotomy Author: Happiness Mlula
11:15-11:30	Public-Private Partnerships in Planning and Land Development: A Success Story? Case of Dar es Salaam City and Kibaha Town, Tanzania Authors: Wilfred G.Kazaura, Marco Burra and Laurent Mswani	Complexity of Residential Segregation in Formal and Informal Settlements in Dar Es Salaam City, Tanzania Author: Nelly John Babere' Reginald Chetto & Paul Kitosi	Administering Wetlands In A Highly Urbanizing Bujumbura City, Burundi Authors Prosper Turimubumwe1, Achamyeh Gashu Adam2, Berhanukefale Alemie2	The Governance of Municipal Services in Peri-Urban Areas: The Case of Water Supply in Dar Es Salaam City, Tanzania Authors: Alphonse Kyessi, Wilbard Kombe and Yohannes Kachenje
11:30-11:45	The role of neighborhood governance in facilitating neighborhood development: A comparative study between Rwanda and Tanzania. Authors: Stephen Akyo Peter Lameck Mduwile	From Msimbazi River Valley to Mabwepande Settlement: The Resettlement Process and Its Challenges Regina John, Fredrick Bwire Magina, Emmanuel Fares Kemwita	Geographically Weighted Regression Modelling of Urban Heat Island in Dar es salaam Metropolitan Areas from 2000 to 2019 Author: Happy Cammilus	Multi-level governance deficits: Examining institutional arrangements in water supply services in Nairobi, Kenya Author: Alice Menya
11:45-12:00	Transformative Pathways to equality: Women's experiences in participatory upgrading of basic	Prevalence of Secondary and Primary School Children Drop Out (7-19 years) in Dar Es Salaam and Dodoma urban	Modeling Green Water Availability in Wetland Ecosystems using SWAT Model and Multiple Regression	The governance of regularisation of informal settlements in peri-urban Tanzania:

	infrastructure in informal settlements Author: Tatu Limbumba	Tanzania: Analysis of Spatial, Household, and Neighborhood drivers Author: Stephen Akyoo	Analysis: A Case of Wami/Ruvu Basin, Tanzania Author: Lazaro Mngumi	perspectives from local community leaders. Authors: Said Nuhu, Lazaro Mngumi and Neema Munuo
12:00-13:00	Discussion	Discussion	Discussion	Discussion
13:00-14:00	LUNCH BREAK			
	Room1: Rhino (Main Hall)	Room 2 (Tai)	Room 3 (Zebra)	Room 4 (Nguchiro)
	Sub-themes: Finance and Governance <i>Chair: Dr. Tatu Limbumba</i>	Sub-theme: Informality, Livelihoods and Urban Forms and Health Chair: Dr. Francis Levira	Sub-theme: Environment and climate changes Chair: Prof. Aness Mahenge	Sub-theme: Land Tenure Dr. Agnes Mwasumbi
14:00-14:15	Enhancing Domestic Resource Mobilization via Non-Tax Revenues: Challenges and Experiences From The Sub-Saharan Africa Authors: Adrian Peter Njau, Wilbard J. Kombe and Lemayon Melyoki	Spatial Detection of Lifestyle Choices and Variations in NCDs Prevalence Using Localized Urban Planning Aspects of the Built Environment in Tanzania Authors: Victoria M. Mwakalinga ¹ , Peter S. Nayingo, Hawa E. Machimu and Dawah L. Magembe-Mushi	Dual porosity filtration for storm water treatment: Applicability of low-cost filter media for decontamination of storm runoff Author Mhina G. J.	Land Rights Conflict on Investment Farmlands Husein Kayera
14:15-14:30	Sustainable Digital Communities: Crowdsourcing Community	Distribution of NCDs profile and risks factors among urban dwellers in	Adaptable improved onsite wastewater treatment systems for	Nuances in Customary Land Tenures and How They Impact the

	Participation in Monitoring Digital City Services in Tanzania. Authors: Deodatus Patrick Shayo and Yulli Jeremia	Dar es salaam and Dodoma: A community based cross sectional survey Author: Christina Myalla	urban settlements in developing countries Arthors: Jacob M. Kihila & Jonas G. Balengayabo	Outlook On the Availability of Land for Largescale Investment: The Case of Rweya in Kagera Region, Tanzania Author: L Kironde
14:30-14:45	Sustaining Livelihood in Expropriation Projects: A Conceptual Clarification. Author: Felician Komu	Social determinants for Long-term illness in urban neighborhoods: A case of Dodoma and Dar es Salaam Cities Author: Grades Stanley	Assessment of changes in building density and spatial coverage of formal and informal settlements in Dar es Salaam City. Robert B. Kiunsi and Nicholaus F. Mwageni	Large Scale Agricultural Investments: An Assessment of Relationship Between Local Communities and Investors Authors: Sophia Kongela & Diana Mndeme
14:45-15:00	Financing and school feeding practices among primary and secondary school children in Dar-es-salaam Tanzania Author: Godliving Shayo	Detailed analysis of household composition by neighborhood and its impact on children's educational attainment Authors: Maria Erasmus	Tracking a way for Enhancing Cooperation in the Maintenance of Urban Green Systems in Dar es Salaam city, Tanzania Author: Helen Fransisca	Potential of Tourism in Minimizing Land Use Conflicts and Building Sustainable Livelihoods in Tanzania with a Focus on Pastoral Societies in Monduli District, Northern Tanzania Authors: Dickson Shekivuli & Nyaruba Jesca
15:00-16:00	Discussion	Discussion	Discussion	Discussion

DAY THREE 11th March 2022

08.30-9.00	Registration			
	Room 1: Rhino (Main Hall)	Room 2 (Tai)	Room 3 (Zebra)	Room 4 (Nguchiro)
	Sub-theme: Finance and Governance Chair: Dr Felician Komu	Subtheme: Informality, Livelihoods and Urban Forms Chair: Dr Anord Kihale	Subtheme: Environment and Climate change Prof Nancy Marobhe	Subtheme: Crosscutting Chair: Prof Robert Kiunsi
9:00-9:15	Community Based Finance Schemes as Alternative Housing Finance Methods in Urban Tanzania: Author: Eginio Milanzi	Assessment of Significant Risk Factors in Informal Construction Sector in Tanzania: Workers Perception Authors: Geraldine Kikwasi, Sarah Phoya, Nyamagere Gladys Sospeter, and Novatus Albert Mikapagaro	The Paradox of Solid Waste Management: a regulatory discourse from Sub-Saharan Africa Authors: Florence Muheirwe*, Wilbard Kombe,	Integrating Fuzzy Set Function into Floating Catchment Area Measures: A Determination of Spatial Accessibility of Service Points Authors: Frank Edward Mahuve and Beatrice Christopher Tarimo
9:15-9:30	The Role of Informal Micro Finance Arrangements in Housing Development in Tanzania: Exploring The 'Vicoba' And 'Upatu' Initiatives Authors: Hidaya Kayuza ,	Co-Production: The Power Of Societal Knowledge In Post Ante planning Of Informal Settlements Authors: Kyessi, A.G.; Kombe, W.J. and Limbumba T.M	Immobilization of Copper and Fluoride in Soils: Uptake by Chinese Cabbage Authors: Y.H Senkondo S. Mkumbo, and P. Sospeter	Assessment of Elephants' Habitat Quality in Selous Game Reserve Using Remote Sensing and Home Range Data Author: Abel Fisima

	Agnes Mwasumbi & Elisonguo Malisa			
9:30-9:45	Construction of a house price index for Dar es Salaam: Do proximity to arterial roads and spatial dependence matter? Author: Frank Nyanda	Knowledge Transfer Determinants Among the Informal Construction Crafts in Dar es Salaam Tanzania Authors: Harriet Eliufoo, Justine M. Mselle, Samwel Alananga & Ms. Neema Shaban	Applicability and comparison of DNA based methods versus established methods in identifying potential water pathogens in groundwater sources in peri-urban Dar es salaam Authors: Franella Halla, Shaaban Mgana, Shadrack M. Sabai , Said Maneno, David Werner, Kishor Acharya	Assessment of Mt. Kilimanjaro Forest Cover Change Over the Last Four Decades: Implication to Sustainable Forest Management Authors: Dorothea Deus, Iriael Mlay, Gadiel Mchau, Latifa Rashid
9:45-10:30	Discussion	Discussion	Discussion	Discussion
10:30-11:00	HEALTH BREAK			
	Room1: Rhino (Main Hall)	Room 2 (Tai)	Room 3 (Zebra)	Room 4 (Nguchiro)
	Sub-theme: Finance and governance Chair: Dr. Samwel Analanga	Subtheme: Informality, Livelihoods and Urban Forms Dr. Ibrahim Msuya	Sub-theme: Environmental and climate changes Chair: Dr. Frederick Salukele	Sub-theme: Cross cutting Dr. Medard Mushumbusi

11:00-11:15	<p>Property Valuation System and Problems In Tanzania; Valuers Perceptions</p> <p>Authors: Upendo Matotola and Vianey Mushi</p>	<p>Elderly Self-Health Rating and Utilization of Healthcare Services Among Members of Insurance Scheme and Non-Members in Moshi District, Tanzania</p> <p>Authors: Arnold Kihale, Claudio Ngasa and Theresia Francis</p>	<p>Potential of cashewnut shells in bio-briquettes production in Tanzania.</p> <p>Author: Nyangi Chacha</p>	<p>Integrating Indigenous Building Technology in A Contemporary Residential House Toward Earthquake Resistance: Methods and Cost Analysis</p> <p>Authors: Phoya, Gladys Sospeter and Geraldine Kikwasi</p>
11:15-11:30	<p>Optimized k-NN regression for imputing and mapping land prices in Dar es Salaam city</p> <p>Authors: Gideon T. Marandu a, c, *, Beatrice Tarimo a, Vianey Mushi b, and Ntwa Katule</p>	<p>Prevalence of current use of modern contraceptives among HIV positive women in Dar es Salaam and Dodoma</p> <p>Authors: Saitoti Timoth</p>	<p>Drivers of Cooking Energy Choices in Urban Areas: Evidence from Dodoma and Dar es Salaam</p> <p>Justine Mbukwa</p>	<p>Feasibility of producing rice husk ash enhanced lightweight bricks for material recovery</p> <p>Author: Magongo Abdul</p>
11:30-11:45	<p>Smallholder Farmers' Utilization of Rental Markets for Agricultural Implements and Machinery: Empirical Insights from Tanzania</p> <p>Authors: Nelson Ochieng & Linus Lugeiyamu</p>	<p>Self-Organizational Strategies in Ensuring Employees Safety on Covid-19 Crisis in Dar es Salaam and Morogoro, Tanzania</p> <p>Authors: Anjela Jess Theresia Burra, Bertha</p>	<p>Digital Information Sharing Of Domestic Water Sources' Quality In Informal Settlement: Mogo-Majumbasita, Dar Es Salaam, Tanzania.</p> <p>Authors: Said Maneno, Shaaban M. Mgana, Shadrack M. Sabai,</p>	<p>HIGH-RISE MODERN versus LOW-RISE OLD: The Context of Stealth Demolition of Historic Buildings in Dar es Salaam</p> <p>Authors: Khalfan Amour Khalfan Richard</p>

		Macha& Aziz Rweyemamu,	Franela Halla, Kishor Acharya, David Werner Tom Komar	M. Besha Dennis N.G.A.K. Tesha
11.45-12.00	Enhancing Participation and Transparency in the Spatial Governance of Urban Agriculture The Case of Daraja Mbili and Lemala in Arusha City, Tanzania Author: M, T Thomas	The Web-Based Social Networks Awareness Levels Among Students At Ardhi University Authors: Sophia Lukwale	Safety compliance and injury prevention in lead-acid batteries recycling industries in Tanzania. Author: Sabai, M. M	Situation analysis of public toilets conditions in Dar es Salaam city Author: Arbogast Kanuti
12:00-13:00	Discussion	Discussion	Discussion	Discussion
13:00-14:00	LUNCH BREAK			
	Conference closure: Room 1: Main Hall (Rhino) Chair: Prof Ally Namangaya			
14: 00-15:00	Discussion and deliberations			ALL
15:00-15:10	Conference closure			Prof. Evaristo Liwa, ARU VC