

MBEYA UNIVERSITY OF SCIENCE AND TECHNOLOGY



WEEKLY RESEARCH SEMINAR SERIES

MUST Community and General Public are cordially invited to attend the 2nd Research Seminar Presentation

COLLEGE OF ENGINEERING AND TECHNOLOGY (CET)

DEPARTMENT OF SETTLEMENT PLANNING & DESIGNING TECHNOLOGY

RESEARCH TOPIC: *Assessment of Affordable Housing Quality in Dar es Salaam, Tanzania*

SPEAKER : *Dr. Buberwa Tibesigwa (PhD in Architecture)*

BIOGRAPHY OF THE SPEAKER : Dr. Buberwa Tibesigwa is a Lecturer in the Department of Settlement Planning and Designing Technology at Mbeya University of Science and Technology with a PhD and Master in Architecture qualifications awarded by the University of Chongqing and Harbin Institute of Technology (HIT) respectively both in the People's Republic of China. Also, Dr. Tibesigwa graduated with Bachelor Degree in Architecture from the University of Dar es Salaam at the Constituent College of Land and Architectural Studies (UCLAS). Dr. Tibesigwa is a practicing registered Architect by Architects and Quantity Surveyors Registration Board (AQRB) and a member of Association of Architects Tanzania (AAT). Dr. Tibesigwa has vast experience in the field of construction industry in Tanzania for more than 10 years.



R-ID NO: 0005

DATE: Wednesday 17th April, 2019

TIME: 04:00 PM

VENUE: NYERERE HALL

SUMMARY OF THE PRESENTATION: Tanzania's urban areas like other towns and cities in most of developing countries have been facing a challenging task on provision of quality affordable housing to their residents. This study assessed the magnitude of the housing quality challenges for urban affordable housing programme in Dar es Salaam, Tanzania. The main outcome of the study on delivery approach shows that developers have diverse management and resource capacity but with similar delivery strategies and challenges. Based on eight (8) quality indicators developed for the study context, residents revealed different levels of satisfaction on various indicators from the three spatially diverse affordable housing schemes. The study has highlighted the justification for variables to be considered for proper affordable housing delivery approach and design matters to improve housing quality for dwellers' well-being in future projects.

Contact: +255 658 359 685

COME ONE, COME ALL!

www.mustnet.ac.tz

MBEYA UNIVERSITY OF SCIENCE AND TECHNOLOGY



WEEKLY RESEARCH SEMINAR SERIES

MUST Community and General Public are cordially invited to attend the 2nd Research Seminar Presentation

SCHOOL OF HUMANITIES AND BUSINESS STUDIES (SHBS)

DEPARTMENT OF BUSINESS MANAGEMENT

RESEARCH TOPIC: *Value Chain Analysis of Pigeonpea in Tanzania*

SPEAKER : *Ms Heriet Rogath (MSc. in Logistics; Specialized in Industrial Logistics)*

BIOGRAPHY OF THE SPEAKER : Ms. Heriet Rogath is a Lecturer at Mbeya University of Science and Technology under the School of Humanities and Business Studies, Department of Business Management. She completed her Master's Degree in Industrial Logistics at Molde University, Specialized University in Logistics, and Bachelor Degree at the University of Dar es salaam. Ms. Heriet has been registered by the Procurement and Supplies Professional and Technician Board as a Professional Graduate of Procurement. She has more than five years of experience in research and has worked as a Research Assistant with Homeopathy for Healthy in Africa - Moshi. Ms. Heriet has five publication papers in peer-reviewed Journals. Currently, she is a coordinator of Curriculum in the Business Management Department and member of MUST Academic Quality Assurance and Quality Control Committee.



R-ID NO: 0006

DATE: Wednesday 17th April, 2019

TIME: 04:30 PM

VENUE: NYERERE HALL

SUMMARY OF THE PRESENTATION: Removal of trade barriers due to liberalization has open windows for smallholder farmers to access the market, but they still face challenges. The main objective of this study was to analyze the value chain of pigeonpea in Tanzania for better policy making, to improve market access and production and reduce poverty. The results show that, the type of marketing system used was not direct marketing system with no value addition which increase the total cost. Mapping the value chain and analyzing the existing performance in terms of price, cost and profit from the source to the downstream of the value chain was done using snowballing approach. It was recommended that smallholder farmers should use direct market system, have contractual arrangement with exporters, and formulate collective action, timing of the selling period, and supporting participation of smallholder farmers in value addition, facilitates the formation of SACCOS and empowering women in marketing of their produce.

Contact: +255 754 634 422

COME ONE, COME ALL!

www.mustnet.ac.tz

MBEYA UNIVERSITY OF SCIENCE AND TECHNOLOGY



WEEKLY RESEARCH SEMINAR SERIES

MUST Community and General Public are cordially invited to attend the 2nd Research Seminar Presentation

COLLEGE OF SCIENCE AND TECHNICAL EDUCATION (CoSTE)

DEPARTMENT OF NATURAL SCIENCE

RESEARCH TOPIC: *Mathematical Models Behind Spread of HIV and Zika Virus*

SPEAKER : *Dr. Isack E. Kibona (PhD in Applied Mathematics)*

BIOGRAPHY OF THE SPEAKER : Dr. Isack E. Kibona is a Lecturer in the Department of Natural Science at Mbeya University of Science and Technology with PhD qualification awarded by the Central China Normal University, and has MSc. in Mathematical Modelling and BSc. in Education (honours) both from this University of Dar es Salaam. Dr. Kibona has seven publications in peer reviewed journals. He is interested in mathematical models in epidemics. He is also an experienced high school mathematics teacher.



R-ID NO: 0007

DATE: Wednesday 17th April, 2019

TIME: 05:00 PM

VENUE: NYERERE HALL

SUMMARY OF THE PRESENTATION: In the interactive and open world of this generation, both HIV and Zika Virus (ZIKV) infections are life threatening. HIV and ZIKV spread are mathematically modelled so as to support medical practitioners to be able to control the spread of the two epidemics in a more effective approach. One of among specific reasons is to support UNAIDS goal to end AIDS by 2030. Botswana has been demonstrated as a case study. Investigations suggest that Botswana has a potential to achieve UNAIDS goal. A deterministic model for simulation of ZIKV infections has been formulated. It cooperates with WHO's serious alert on 1st February, 2016 to contain ZIKV epidemic in the world. Brazil records on ZIKV cases is an example to justify the model. According to the model, simulations suggest that by 2020, ZIKV infections will no longer be a threat in this country.

Contact: +255 754 441 682

COME ONE, COME ALL!

www.mustnet.ac.tz

MBEYA UNIVERSITY OF SCIENCE AND TECHNOLOGY



WEEKLY RESEARCH SEMINAR SERIES

MUST Community and General Public are cordially invited to attend the 2nd Research Seminar Presentation

INSTITUTE OF SCIENCE AND TECHNOLOGY (IST)

DEPARTMENT OF ARCHITECTURE

RESEARCH TOPIC: Potential Influences of Garden Features in Healing: A case of Public Hospitals in Dar es Salaam, Tanzania

SPEAKER : Mr. Benson Karumuna (Master of Eng. in Architecture)

BIOGRAPHY OF THE SPEAKER : Mr. Benson Karumuna is an Assistant Lecturer in the Department of Architecture at Mbeya University of Science and Technology and a member of Architects Association of Tanzania (AAT). He has a Bachelor Degree in Landscape Architecture from Ardhi University (ARU) - Tanzania. He also attended an Advanced Course in Ecological Design Studio from Swedish University of Agricultural Science (SLU), Uppsala- Sweden. Mr. Karumuna holds a Master of Engineering Degree in Architecture from Chongqing University (CQU) - China.



R-ID NO: 0008

DATE: Wednesday 17th April, 2019

TIME: 05:30 PM

VENUE: NYERERE HALL

SUMMARY OF THE PRESENTATION: How can environment contribute to healing? For a patient, visitor, or member of staff, spending long hours in a hospital can be a stressful experience. Nearby access to natural landscape can enhance people's ability to alleviate stress thus improve health outcomes by accelerating healing process. To achieve a broad understanding, a field survey was conducted at Mwanyamala Hospital in Dar es Salaam with the aim of exploring and proposing key healing garden features. On the basis of results, design suggestions to Architects when dealing with social-cultural aspects were provided.

Contact: +255 713 065 505

COME ONE, COME ALL!

www.mustnet.ac.tz