



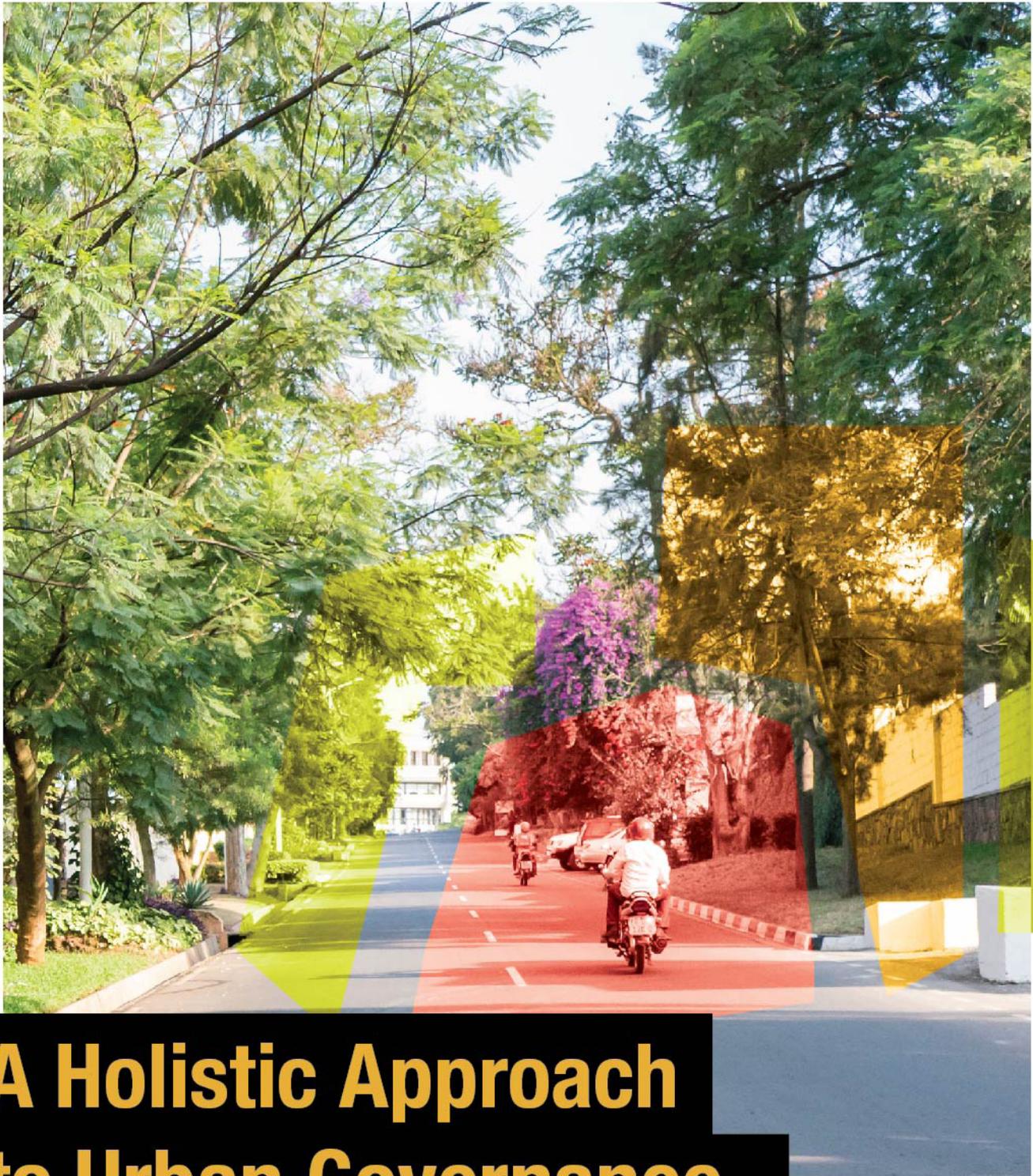
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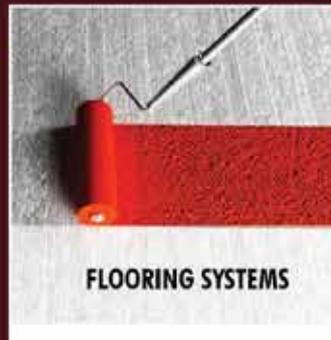
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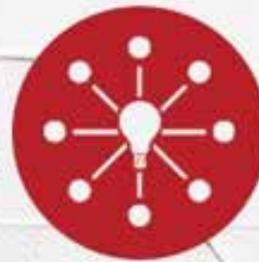
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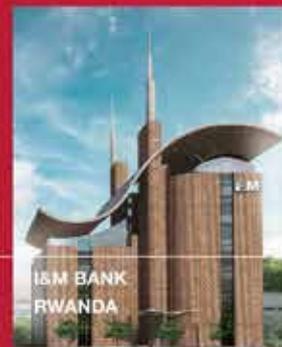
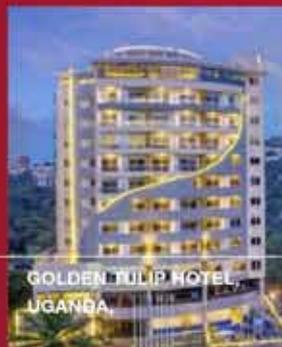
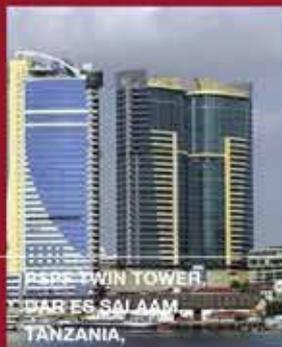
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Why should urban governance matter to the built environment professional? Well, the United Nations Department of Economic and Social Affairs estimates that by the year 2050, 68% of the world population will be living in urban areas and hence humanity's livelihood will be centered around them. The role that our cities and towns play in human survival and prosperity is already evident. How decisions are made, and policies implemented in these urban areas will have a direct impact on how they meet the needs of their inhabitants in a sustainable way. Suffice to say, sound urban governance is the master key to unlocking the great potential that lies in our urban areas; be it a small town or the largest mega-cities of the world.

The convention magazine this year is a blend of topics and features whose key focus is to engage the reader. Our main feature gives us an in-depth look at the Kenya Urban Support Programme and how it has revolutionized urban open spaces in Kiambu County. We shall also have reviews on two key events that have taken place the past year: the Africities Summit and the inaugural Africa Housing Forum. Since urban governance is cross-cutting in nature, we shall look at what it means to the youth, as we interrogate matters gender in attaining sustainable urban governance. What is more, we have lined up the fun facts feature and regular columnist for the very first time. This is just a snippet of what the convention magazine has in store for you this year.

“

The convention magazine this year is a blend of topics and features whose key focus is to engage the reader

We couldn't have done all this without the dedication of our contributors, the editorial team, the convention committee, the AAK secretariat, and the AAK leadership. In addition, sincere gratitude goes to our sponsors and advertisers who believe in the AAK brand year after year. Finally, we take the time to thank you. Our member and reader who gives us the motivation to keep doing this. We hope that you find this year's convention magazine not only informative, but also fun and insightful.



Patricia Baariu is the editor of the Convention and BuildPress Magazines. She is a corporate and council member of the AAK Landscape Architects Chapter



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Uniting in Purpose

It is that time of the year again! Karibuni sana to the AAK Annual Convention 2022. This year the theme of the convention resonates with the general atmosphere in the country. We are coming together to deliberate on urban governance; which is an overdue yet timely topic. What a paradox! In support of devolution, the Government of Kenya, in partnership with development partners has been scaling up investments in institutional reforms for municipalities. This has led to improved facilities and increase in the economic fortunes of several towns and cities in the country. However, there still exists gaps and challenges in implementation of these programmes, largely due to inadequate holistic approaches to urban governance structures.

It is for this reason that we, as built environment professionals have gathered this year. To exchange ideas, give critiques and ultimately offer viable proposals aimed at achieving '**A Holistic Approach to Urban Governance**'. Our discussions will be guided by the following sub-themes:

- **Leveraging e-government and digital ecosystem in urban management**
- **Urban mobility and sustainability in the Urban Systems**
- **The role of neighborhood/resident associations and Civil Society groups in urban management**
- **Innovative municipal financing models/mechanisms for infrastructure development**
- **Enabling legal and policy framework for effective urban management**

This Convention shall be graced by Chief Guests who bring to the convention an invaluable wealth of insight and experience in their areas of influence. We have also invited speakers and panelists who are well versed with their topics and are established or upcoming professionals with rich ideas. Moreover, the Association has ensured that the event is well organised, and enjoyable for all the delegates (physical and virtual), as well as our sponsors and partners. That said, we hope that you find this convention not only educative but also thought-provoking and purposeful.

“

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*Ambrose Ofafa,
Assistant Honorary Secretary
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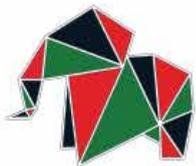
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Inclusivity for Urban Governance

I take this opportunity to welcome you all to the **AAK Annual Convention 2022**. Being an election year, this convention presents a good arena to discuss Urban Governance in Kenya, the challenges faced and opportunities that exist in resolving some of the major issues that affect our urban areas. Our country, as is the case with many countries in Africa, is rapidly urbanising, accelerated by the gains made through devolution. The main pieces of legislation that should guide our urban growth include the Urban Areas and Cities Act as well as the Physical and Land Use Planning Act, both assented to in 2019.

Some of the issues that frequently come up in discussions on urban governance include the role of citizens in overseeing developments in their neighbourhoods and how we can ride on the country's robust ICT infrastructure to streamline urban governance in Kenya. It is important that the public be actively involved in making important decisions that affect their immediate neighbourhoods. We can make deliberate effort to involve organisations such as neighbourhood associations, professionals and business associations, co-operatives among others by setting aside a seat for their representatives in the organs that approve developments. This way, development becomes an inclusive process that addresses the needs of the citizens.

To this end, and of particular interest, is one of AAK's initiatives where **the Association has partnered with Konkuey Design Initiative (KDI)** in partnership with Royal Academy of Engineering, Arup East Africa and Akiba Mashinani Trust to produce the Integrated and Inclusive Infrastructure Framework dubbed 3iF, to guide development of infrastructure in informal settlements. The initiative aims to improve the living conditions of most city dwellers – specifically those that live in low-income informal settlements. The framework can be accessed at <https://www.3if.info/>. Further, we have worked with Habitat for Humanity to conduct a housing assessment whose objective is to investigate the impact of the COVID-19 pandemic on housing in Kenya, especially the low-income households, coping mechanisms by households as they navigate through the pandemic in their current housing conditions, and opportunities for healthy housing adoption post Covid.

We believe that this effort will create more awareness on the need to place human health as a priority in the **design of housing solutions for low-income households**.

Noteworthy, is that our Association initiated the **migration of development control applications to the electronic space, starting with the then Nairobi City Council**. This has since been replicated in Mombasa, Kisumu, Kiambu, Kajiado and Kilifi Counties. The migration was initially well received and showed great potential for transforming development control in Kenya. However, where urban governance is concerned, more effort needs to be put in its implementation so as to fully obtain the benefits of the electronic systems, as we progress to the development of truly smart cities.

It is evident that this year's convention theme brings to light a myriad urban development problems that can only largely be addressed by sound urban governance. Therefore, I would like to express my gratitude to our industry partners, including the sponsors and exhibitors for providing us with this invaluable opportunity to gather and forge a way forward. To our delegates, it is my great honour and pleasure to have you in this year's convention and I thank you for taking the time to be part of this important gathering.

I wish you all exciting and constructive discussions at the AAK Annual Convention 2022. Have a pleasant stay in Mombasa.



Jacob W. Mwangi,
CEO, AAK



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The Right Time to Talk Governance

Hamjambo! On behalf of the AAK Governing Council, I'd like to welcome you all to our Annual Convention 2022. The theme of this year's convention is 'A Holistic Approach to Urban Governance.' This is a carefully crafted theme that resonates well with the current state of the built environment in Kenya that has seen lots of legislation being proposed and/or passed that impacts the way urban areas are governed and managed.

The state department for housing and urban development's 2018 sector plan for population, urbanization, and planning states that the projected urban population by 2022 will be 16 million. It is therefore important that urban development, which by and large is driven by the decisions of built environment professionals, also takes cognizance of the central role that urban governance plays. This convention hence seeks to interrogate and propose lasting solutions that should guide the National and County Governments towards sustainable urban development. We shall be probing the theme further through the following sub-themes:

- **Leveraging e-government and digital ecosystem in urban management:** Exploiting the advantages of using Information and Communication Technologies (ICTs) in government functions and procedures with the purpose of increasing efficiency, transparency and citizen participation.
- **Urban mobility and sustainability in the Urban Systems:** Designing mobility to satisfy the needs of people in cities and urban areas for a better quality of life. The integration of engineered infrastructures, people, and natural systems to reduce GHG emissions, and energy and material consumption.
- **The role of neighborhood/resident associations and Civil Society groups in urban management:** Unpacking civic responsibility and the perks of utilizing social capital to achieve efficiencies in urban governance.
- **Innovative municipal financing models/mechanisms for infrastructure development:** Exploring ways of generating revenue and managing resources to enable urban areas to run their functions and deliver services adequately.

- **Enabling legal and policy framework for effective urban management:** A critical assessment of the legislation, regulations and guidelines that guide the management, operation and maintenance of urban entities.

With such a detailed outlook, this Convention shall provide stakeholders with key data and tools that they can use in shaping their urban areas for the better. The Convention is also very timely as it takes place a few weeks before Kenya's General Elections, which shall see a change in guard at the National and County levels. We hope to impact the thinking of those at the helm of governance, such that they purpose to improve their respective jurisdictions.

Finally, as is the norm with our Conventions, it shall not only be serious deliberations. We shall have lots of social activities to help delegates unwind, have fun, and mingle. There shall be golf, beach volleyball, soccer, and yoga to mention a few. We have also lined up a cocktail and a gala dinner, which shall infuse more entertainment to make this a very memorable Convention.

We look forward to seeing you all in Mombasa and wish you fruitful deliberations.

Karibuni Pwani!



*Wilson Mugambi
President, AAK*



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AAK at the Inaugural Africa Housing Forum

By Florence Nyole



The inaugural Africa Housing Forum themed **Fostering Inclusivity and Resilience** in Housing in Africa was held on 12th – 14th May 2022. It was hosted by Habitat for Humanity International in collaboration with partner organizations and institutions. The free-to-attend forum on Housing brought together more than 500 practitioners and stakeholders from more than 25 countries to discuss proposals that will propel the production of housing to meet the needs of current Africa as well as promote low-cost, affordable housing as a driver of economic growth on the continent.

The forum focused on three main themes: Fostering housing inclusivity and resilience in Africa, Meeting the new Challenges of Affordable Housing and building towards housing inclusivity and resilience in Africa. Under each of the themes, the plenary sessions and the breakout sessions were curated under four tracks: Promoting inclusivity in the housing sector, supporting affordable housing, leveraging multisector collaboration, and building sustainable cities and communities as per SDG 11.

Over the last decade, Africa has faced rapid urbanization which has led to a glaring shortfall of at least 51 million housing units as cities within the continent are becoming home to over 40,000 people daily. Approximately half of the world's fastest-growing economies are in Africa, with 20 of these economies expanding at an average rate of 5% or higher every year, which is faster than the global average rate of 3.6%. It is estimated that by the year 2050, Africa's population will be at two billion. To support this growth, investment in affordable, resilient and sustainable housing shall be necessary. The Built Environment as an industry needs to rise to the occasion and respond to these challenges by offering suitable solutions that meet the needs of African cities and urban areas.

The current state of housing in Africa presents an urgent need to craft solutions towards building adequate, sustainable, and dignified housing. Further, the COVID-19 pandemic has further re-inforced that need, and as African countries undergo post-pandemic economic recovery, the need to place housing at the centre remains paramount, and hence the need to formulate and implement inclusive housing strategies. Seven of the fastest growing cities namely Accra in Ghana, Ibadan and Lagos in Nigeria, Dakar in Senegal, Addis Ababa in Ethiopia, Dar es Salaam in Tanzania and Luanda in Angola have begun instituting urban resilience strategies such as strengthening drain design and performance, upgrading informal settlements, formalizing incentive programs for developers to utilize energy-efficient technologies, evaluating the use of energy-efficient mechanical systems, public waste management, promoting green lifestyles, improving access to infrastructure and essential services, promoting climate-resilient green development, and creating more and better jobs for youth and women, accelerating inclusive economic growth through reduction of extreme poverty and social inequalities through an integrated development of infrastructural systems that improve access to clean water, sanitation, and affordable and reliable energy.

“ Africa has faced rapid urbanization that has led to a glaring shortfall of at least 51 million housing units

In his opening speech, UN-HABITAT Director Regional Office for Africa, Oumar Sylla said: *“The provision of affordable land and housing at scale remains a challenge to most countries, especially those in Africa. While the continent is the most rural region in the world, it is urbanising fast, straining affordable urban land and housing provision in the coming decades. Scaling up affordable housing provision has the potential to contribute to national economies, create jobs, improve the construction industry, and improve the living conditions for the health and wellbeing of all Africans.”*

To give a picture of the housing deficit in Africa, lack of adequate housing affects 14 - 16 million people in Nigeria while in South Africa, the housing shortage is approximately 3.7 million units while in Ghana, the deficit is at 1.7 million units. The cost of closing this gap is estimated to be more than US\$50 billion.

Housing remains a human right and the protection of this right should remain a priority for stakeholders. There is need to focus on raising this awareness within the affordable housing ecosystem in Africa. This is especially so for marginalized communities seeking to improve their living conditions to help address the large gaps in affordable housing in Africa.

Innovation Awards

Further, the Innovation Awards which were announced during the forum sought to promote and celebrate innovative approaches that work to improve housing conditions for low-income households. In addition, the awards demonstrate the importance of strategic collaboration, specifically Multi-Sector People-Public-Private-Partnerships that foster innovations. The awards focused on rewarding initiatives that address real needs and provide affordable, resilient, inclusive, and sustainable solutions in a post-pandemic Africa. There were three categories of the Awards namely, Best Practices Category which focused on practices by public or public-private partnerships that help to improve communities and settlements and increase access to affordable housing for the disadvantaged segments of society. The second category was on Public Policies which focused on policies across all levels of government that help to reduce the housing deficit while taking into consideration the specific needs of minorities, vulnerable and marginalized populations.



Finally, there was a category on ShelterTech whose focus was on technology innovations (product & services) from the private sector that provide practical solutions to affordable housing challenges, and that can be commercially scaled and replicated to increase impact on low-income households and communities. The 12 finalists of the Innovation Awards pitched their innovations in front of a live and online audience, followed by an open Question and Answer Session for each category before the winners under each category were awarded.

ShelterTech

Following the announcement of the Innovation Awards, the Habitat for Humanity's ShelterTech sub-Saharan Africa accelerator program was launched. This is intended to bring together the most disruptive startups and scaleups addressing today's affordable housing challenges. ShelterTech is the world's leading platform for affordable housing innovation, working across sectors, industries and geographies to support and grow cutting-edge products and services that can improve housing conditions for low-income families. Since its first accelerator program in 2017, the platform has already supported more than 70 startups worldwide.

Council of Traditional Leaders of Africa (COTLA)

Because security of land tenure has been found to be a major factor in housing, African Royalty had been invited to the event through the Council of Traditional Leaders of Africa (COTLA) to give more insights on the matter. It was noted that the communal land owned by various African cultures faced a lot of pressure from urbanization so there is a need to harmonize and protect ancestral land that holds cultural significance while providing land for modernization and housing. Traditional rulers, i.e. Kings and Queens from the Democratic Republic of Congo, Uganda, Lesotho, Nigeria, Swaziland and Ghana were present at the forum and offered insights into the housing problem from a customary perspective.

Significance for AAK

The Association was represented by various members who participated either as moderators, presenters, or panellists. Among them was

Arch. Emma Miloyo – Past President AAK and Co-Founder and Director at Design Source Ltd – **Financing incremental construction.**

Arch Mugure Njendu – Immediate Past President AAK – Director, GAPL and Built for Good Africa – **Addressing Health Challenges in urban built environments – Housing as a first defense against infectious diseases.**

Arch Wilson Mugambi – President, AAK and Managing Partner, ArtCore Design Build LLP – **Responding to Africa’s growing housing demand pressures.**

Arch. Florence Nyole – Vice President, AAK and Director at Ecospace Architects Ltd - **Building and repurposing climate resilient housing for the most vulnerable.**

Arch. George Arabbu - Chairperson, Architects Chapter, **AAK – Member of the Jury for Innovation Awards.**

Arch. Etta Madete – Affordable Housing Lead, BuildX Studio – **Building and repurposing climate resilient housing for the most vulnerable.**

Arch. Mtamu Kililo – Founder, Myco Tile Ltd – **Meeting the emerging and growing housing needs of youth.** There were many more members who joined the sessions physically and virtually and followed the discussions at the forum.

As we kick off this year’s AAK annual convention whose theme is Urban Governance: A Wholistic Approach, the subject of affordable, inclusive and decent housing should be at the centre of the debate. Housing solutions go beyond providing four walls and a roof. Decent housing is about providing a stable, secure place that allows people to continue improving their daily lives, through education, employment, and recreation. It is also about having access to essential services, including energy, clean cooking fuel, and public transport among other urban public goods all of which are under the domain of urban governance.

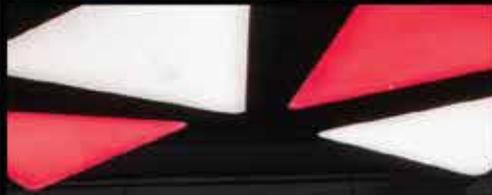


AAK intends to have greater visibility in future conversations around housing and to participate fully by showcasing some of the work that our members have done in the housing sector. This will create a platform for membership to demonstrate their ability to respond to the issue of housing in our country. Further, there should be focus on both practice and academia, to encourage research and innovation on housing.

Currently, AAK is working with Habitat on a study on healthy housing and will be disseminating the findings of this study as soon as it is ready. Further, we have participated in the InnoCentive Challenge for Vector Proofing of Housing and a workshop on research done by Habitat in partnership with KEMRI will be held to share the findings on the issues of vector proofing. Finally, AAK has worked together with Habitat on a design competition for Ultra-Low-Cost Housing that saw several entries from our members. The winning entry shall be prototyped and be useful in demonstrating low-cost housing as a means of improving the housing deficit that continues to ravage our country and the continent of Africa.



Arch. Florence Nyole
AAK Vice President,
Director, Ecospace Architects Ltd



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Fun Facts

by Brenda Ngoya

Twitter is fun, I hope we can all agree, apart from the enraged Kenyan tweeps known as KOT, who have acquired a reputation as bulldogs and are rumoured to have bullied their president off of Twitter. If you follow the right accounts or create relevant lists, it can be a highly educational platform. For instance, a twitter handle like @Fact often posts interesting facts on varied topics that one can easily relate with. However, this piece will only highlight a few of the fun facts (built environment niched) that I thought were fascinating enough to mention.

Symbolism or Myth?

The Nation Centre is a building that makes a significant statement about the nation's identity in a clear but effective way. I initially learned about its design concept from one of my professors. One of Kenya's most prominent newspapers, The Nation, has its headquarters here, making it a potent symbol of press freedom and the critical role that the media has played in Kenya's democratic transitions. Several people believe that the two cylindrical towers are the media's eyes. The evident sturdiness of the building sends a strong message to anyone trying to silence journalists.

As a bonus, it is situated in the heart of Nairobi's vibrant Central Business District. Lastly, its design incorporates elements from the African, Arab, and Indian architectural heritages, highlighting East Africa's unique position as an intersection of three worlds and cultures.

The Women builders of Mana

The Gabbra people inhabit the northern half of Marsabit, Kenya. Their traditional hut (the Mana) is a feature of great architectural interest. It is a residential unit where members of a family live.



It is a three-metre-diameter moveable dome-shaped structure with framework of poles firmly fixed in the ground and bent at the top to make the roof. Thin sticks are tied horizontally and at intervals with cowhide thongs to these poles.



The Mana stands out due to its high adaptation to the environment. It is so adaptive that it can be dismantled and relocated at any moment. All this fully planned and built by the skilled Gabbra women. According to Gabbra custom, the women make sure that all Gabbra huts are identical and face west. This is done so that dust and sand don't get blown into the homes by the wind. This story is featured under Google Arts in arts and culture section.

Clean up or get fined!

Rwanda is ranked as the cleanest country in Africa due to its government policy that require Rwandese to participate in a monthly clean-up of public spaces on the last Saturday of every month. The clean-up session, in which every able-bodied individual between the ages of 18 and 65 takes part, is not a voluntary activity. It has been dubbed Umuganda which translates to “coming together in common purpose to achieve an outcome”

Police patrol the streets, stopping non-participating Rwandese and ordering them to clean up. Citizens who refuse to participate in the clean-up exercise are fined 5,000 francs (\$6), which is a significant sum given their average monthly salary of \$150.

One can't help but wonder how this would play out in Kenya. Some will argue that the successful enforcement of this policy is due to Rwanda's lower population. Truth is, it takes a great deal to enforce it, from leadership to citizen discipline. In fact, it is rumoured that some of the policies in use were borrowed from Nairobi City Hall!

The Love story of Lord Egerton Castle

The Lord Egerton Castle is without a doubt an architectural wonder constructed entirely from imported materials.

Interior decorations from China, fireplace marbles from Italy, zinc tiles, and British oak which was used to cover the walls and stairways were all imported. The castle has 52 rooms, including a guest lounge, library, kitchen, reading room, entertainment area, guesthouses, multiple bathrooms, and a dark room.

I first came across its story in the Kidagaa Kimemwozea set book by Ken Walibora and it blew my mind. This castle's tale is one of both love and hate. Maurice Egerton built a four-room cottage to impress a woman from Queen Elizabeth's lineage with whom he fell in love.

After his invitation, she came over to see the cottage, but was not impressed and called it a 'bird's nest'. Lord Egerton then decided to build a more spacious house, a castle that epitomized his royal status. In this case, he thought that he had convinced the girl of his dreams to change her mind and reciprocate his love.

Having hired Albert Brown, an English architect in 1938, he made sure his remodelled castle was luxurious and of high quality. Sadly, the woman he loved rejected the castle again because of its size, calling it a dog kennel. Even as he continued to build the house, Lord Egerton saw his love marry a wealthy British Lord in Australia. Over time, he added floors, blocks, rooms, alleyways, confinements, and barricades to the castle.

Upon completion, the mega-structure shared many elements with some of the neuro-classical mansions associated with England's wealthy families.

Because of his stature, Lord Egerton felt humiliated by the woman who rejected him. He, therefore, forbade women from entering the property. He even pinned notices on trees warning women of dire consequences if they came close to his large agricultural plantations.



Today, the Egerton University, a public university in Kenya owns the castle, which draws hundreds of visitors, including women. It was rumoured that Lord Egerton had threatened to shoot any woman who entered his grounds. After Maurice Egerton, the last Baron of Egerton of Tatton passed away in 1958, the castle's long-standing restriction on female visitors was lifted.

■ The Ghost Cities of the Swahili Coast

Mnarani and Gede are two well-preserved ruins of abandoned medieval Swahili settlements on the road between Mombasa and Malindi. According to archaeological data, all of these coral-rag settlements were constructed in or around the 13th century, and were Islamic with at least one huge mosque, and flourished on marine trade with ships from Arabia and Asia.



Why these cities were abandoned at the same time remains a mystery. Ancient Swahili Coast architecture can now be seen in these intriguing remains, which provide tourists a glimpse into the advanced architectural skills that distinguished the medieval Swahili Coast.



Ancient Swahili Coast architecture can now be seen in these intriguing remains, which provide tourists a glimpse into the advanced architectural skills that distinguished the medieval Swahili Coast.



Ngoya is an enthusiastic Urban Designer – in waiting and blogger, who is fascinated by the prospect of writing about urban happiness, urban creativity, and human conditions in urban areas. She is waiting to graduate from the Technical University of Kenya and is passionate about beautiful, well-organized, and functional cities. You may access her blog on <https://urbandesignage.wordpress.com/blog/> Email; brendangoya14@gmail.com

Digital Nairobi

by Marilyn Musyimi

A digital twin is a virtual representation that serves as a real-time digital counterpart of a physical object or process. A digital twin is in essence, a computer program that uses real world data to create simulations that can predict how a product or process will perform. These programs can integrate the Internet of Things (IoT), Artificial Intelligence (AI) and Software Analytics to enhance output.

In the wider world, applications range from medicine, automotive, aerospace to manufacturing among others. Closer home, in Construction, virtual representation has existed for several decades now, from 3D CAD models to Building Information Models. These two are basically building simulation.

The major difference between Simulation and Digital Twins (DT) is their scale of application. While Simulation normally studies a particular process, a DT can itself run any number of useful Simulations to study multiple processes. DTs are designed around a two-way flow of information from object sensors to the system, and back to the original source object.

In construction, the generation of the 3D models for creating DTs can be done using BIM – Building Information Modelling. Once a digital model for the DT is developed, it is followed by linking it up with the physical system, typically using sensors. Data from the physical asset is then simulated in the IoT using AI and Machine Learning to continuously update the virtual model and relay feedback to the physical asset.

The application of DT in construction and in Cities is new. For cities, Digital Twins offer an opportunity for Wholistic Urban Governance and sustainable development since it can be used to represent streets, buildings, public facilities, and other assets. Using sensors, both live and historical data is used to predict changes in the Urban Environment and assess performance of assets in real time.



For cities, Digital Twins offer an opportunity for Wholistic Urban Governance and sustainable development since it can be used to represent streets, buildings, public facilities, and other assets.



For Digital Twinning to work, it will call for the cooperation of all stakeholders to first understand the important role it can play

In January of this year, Las Vegas completed the first phase of its Digital Twin which models 7 square kilometres of the city's downtown. The city has begun to log data that will be used to measure Air Quality, Noise Pollution, Mobility, Carbon Emissions among other things. The second phase shall include input from Architects, Real Estate Owners, University Researchers, and others with the eventual aim of transforming Las Vegas into a Zero Carbon City.

The advantages of a DT can be summarised as threefold: Early warnings, Predictions and Optimisation. Here at home, our capital city of Nairobi grapples with the challenge of Rapid Urbanisation, compounded by other global challenges such as Climate Change. Nairobi requires strategies and tools that will enable us to manage Urban Transformation sustainably. A DT for Nairobi would have the twin goals of first, solving the complexity and uncertainty of urban planning, design, construction, and management and second, establishing simultaneous operation and interaction between the physical and digital dimensions of the city.

A Digital Nairobi would have four typical technical features 1) accurate mapping 2) analytical insight 3) virtual-real interaction and 4) intelligent intervention. The outcome of this would be a more efficient growth of the urban space as well as more liveable convenient urban spaces, and ultimately a sustainable Urban Ecological Environment.

While this technological intervention in Nairobi would be both timely and necessary, it would need to be developed in a human-centric manner and be promoted by both government and other relevant stakeholders. For Digital Twinning to work in general, it will call for the cooperation of all stakeholders to first understand the important role it can play and then work towards implementation.



Marylyn Musyimi is a registered Architect in Kenya and holds a Master's degree in Construction Project Management. She has worked with leading firms in the industry and lectures in the department of Architecture at the Jomo Kenyatta University of Agriculture and Technology. Marylyn is Honorary Secretary of the Architectural Association of Kenya (AAK) and a Board Member at the Board of Registration of Architects and Quantity Surveyors. She also serves the fraternity regionally at the East Africa Institute of Architects as the Chairperson of The Board of Practice and Ethics.

Village Life in the City

The Countryside as The Future of Cities

by Eric Kigada



In May 2018, Architect Rem Koolhaas held a talk at the ADD building at the University of Nairobi titled “Countryside: Future of the World”. I didn’t attend the talk as I was committed elsewhere. I did however get to watch a video of his talk and was really puzzled about what he meant by claiming that our future, basically the global south and specifically Kenya, was a countryside or village setting. Most people took it to mean that we should abandon building cities and move into rural areas. Unfortunately, there is no developed country that has majority of its population living in rural areas. His thesis bothered me for a long time. Then the COVID-19 pandemic hit, and the world went into lockdown. Suddenly in a country far away, the answer started to materialise.

One of the consequences of the pandemic lockdown is that many people had to shift to work from home. For some people, living and working at home was unbearable and led to a record number of divorces. Some people realised how inadequate their houses were to live in and it led to a housing reconstruction boom. In the USA, the boom led to scarcity of wood as there was just way too much demand from people fixing their houses. One of my neighbours, who lives in an apartment block, built himself a tentlike structure on his balcony to act as an office. It was a structure to keep the wind and sun out while he worked on his computer.

In Paris, the mayor of the city, Anne Hidalgo, started implementing some vigorous changes to the city. Public transport was basically not allowed, so she started building a network of cycle paths and pedestrian footpaths. She turned miles of traffic lanes into cyclist-friendly “corona pistes”. The man behind the changes is Professor Carlos Moreno of Sorbonne University. He advocated for what he called “the 15-minute City”.



In a nutshell, the idea is that cities should be designed or redesigned so that within the distance of a 15-minute walk or bike ride, people should be able to live the essence of what constitutes the urban experience: to access work, housing, food, health, education, culture, and leisure.

- Carlos Moreno, TED October 2020

Moreno calls for a need to rethink cities around the four guiding principles that are the key building blocks of the 15-minute city. First, ecology: for a green and sustainable city. Second, proximity: to live within reduced distance of other activities. Third, solidarity: to create links between people. Fourth, participation should actively involve citizens in the transformation of their neighbourhoods. The 15-minute city should have three key features. First, the rhythm of the city should follow humans, not cars. Second, each square kilometre should serve many different purposes. Third, neighbourhoods should be designed so that we can live, work, and thrive in them without having to constantly commute elsewhere.



This “village” structure gives us a template with which one can transform or create a modern city.



The Sheldon Tapestry Map of Oxfordshire

Moreno is very clear that he isn't advocating for a rural hamlet but more for a city built around human needs. When we look at another old city, London, you notice a structure from its past that makes a 15-minute city workable. London City is actually small compared to what we refer to as London today. London city is confined to the old city walls. The larger London metropolis is made up of a collection of villages.

This “village” structure gives us a template with which one can transform or create a modern city. One with a “rural” or countryside form without compromising on anything. All the villages end up being the points from which one provides the services of a 15-minute city.



Eric holds a master's degree in architecture from The RWTH University of Aachen, Germany and is registered as an architect in Kenya with the Board of Registration of Architects and Quantity Surveyors (BORAQS) and the Architectural Association of Kenya (AAK). He is the principal of B&A Studios, an architectural practice based in Nairobi, Kenya.

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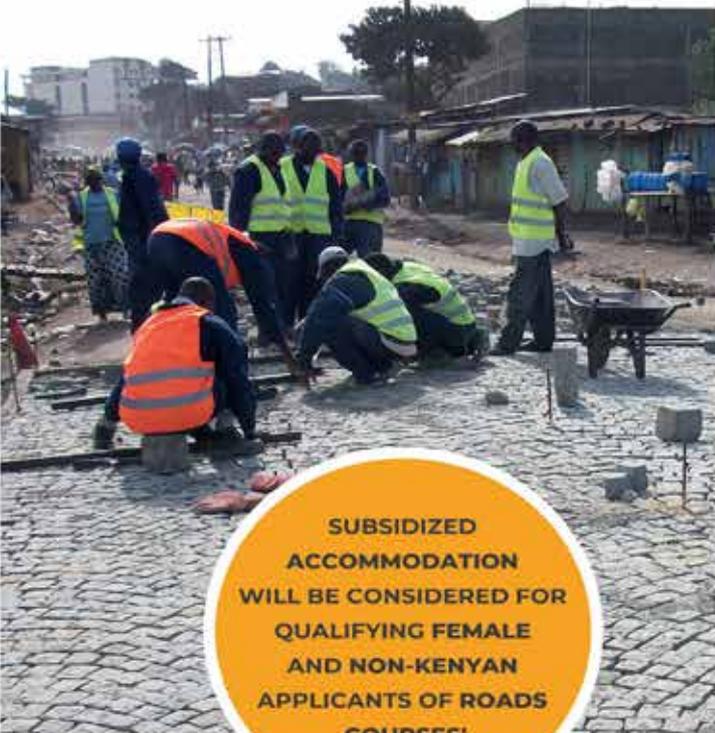
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AAK at the Africities Summit

By G. A. Ndege



Five days to ninth edition of the Africities Summit in Kisumu I had the privilege of being on a panel discussion organized by the Go-Down Arts Centre. This 3rd Session of the Centre's Urban Dialogue Series was titled "Culture and Sustainable Urban Development". Discussions were moderated by Joy Mboya engaging Maina Gichohi aka Barbushe, a Nakuru based thespian, Maggie Otieno, a sculptor, Flora Mutere-Okuku, Technical University of Kenya Design & Creative Media Department, and myself representing AAK.

The session covered the following subtopics: Nakuru as a UNESCO Creative City, Public Art, Heritage and Cities, Architecture as art, architectural practice outside the capital city, architects as advocates of public good and intermediary cities as virgin grounds for urban best practices.

According to Joy Mboya, The Centre's executive director and architect, conversations on "creating a vision for the Africa that we want to see" are necessary in order to advocate for the role of culture in sustainable urban development. The Session set an apt preamble to the Africities Summit that was held between 17th to 21st May 2022 in Kisumu, themed ***"The Role of Intermediary Cities of Africa in the Implementation of Agenda 2030 of the United Nations and the African Union Agenda 2063"***. Kenya's third city is the first intermediary city to host Africities.

Africities is the United Cities and Local Governments of Africa (UCLG-Africa)'s flagship pan-African event held every three years. UCLG Africaz is the united voice of local governments that mobilises communities, local authorities, civil society and development partners to address the African Union's Agenda 2063.

This is the continent's strategic framework that aims to deliver a pan-African sustainable development. As the largest democratic gathering organized in Africa, Africities has the objective of strengthening local and regional governments to build an inclusive and integration prosperity vision for Africa. This continental platform allows for dialogue on decentralization and local governance.

In addition to the official opening and closing events, dialogue by heads of state on financing infrastructure and urbanization, assembly of heads of decentralized cooperation services, general assemblies of various elected representatives and government officers, there were about 150 workshops and breakout sessions and B2B meetings. There was a 5,000 square meters of exhibition space hosting over 150 exhibitors from across the world, showcasing country pavilions, public institutions, and private companies.



Africities has the objective of strengthening local and regional governments to build an inclusive and integration prosperity vision for Africa.

Here are some notes from the sessions I participated in:

The Role of Intermediary Cities in Social and Cultural Transformation

Efforts to promote culture manifestation in African cities were noted to have started in the 1976 Culture Charter for Africa and later provisions in the AU Agenda 2063. The Charter's objectives were liberation of Africans from socio-cultural conditions which impede their development, restoration and preservation of African cultural heritage, assertion of African dignity, elimination of cultural suppression, cultural cooperation, promotion of popular knowledge, and development of dynamic African values. Kenya ratified the Charter in 1981. The Agenda seeks to, among other things, harness the continental endowments embodied in its people, history, cultures and natural resources, and geo-political position to effect equitable and people-centered growth and development.

It was noted that Culture being the essential force of a nation, it should be mainstreamed as a soft aspect of urban planning through broad plans, policy and legislation, and public purpose projects. References was made to the Nairobi City County Cultural Heritage Act 2017 which exist with little impact. There are hurdles in cascading policies down from the national government to devolved government levels.

UCLG's Committee on Culture is the platform of cities, organizations and networks that promotes the exchange of experiences and improves mutual learning. It is meant to foster culture as an explicit component of sustainable development. Before the adoption of the Sustainable Development Goals (SDGs), global networks led by UCLG's Committee on Culture under the banner '*The Future We Want Includes Culture*', campaigned for the inclusion of one specific goal devoted to culture, or integration of cultural aspects across all Goals. It was discussed that the SDGs gave culture a minor role. Further it was argued that SDGs could be localized using culture.

The 2020 Rome Charter, a transnational group of over 45 cities, supported the right to participate in cultural life as a condition for a better society. The Charter states that a city working towards cultural democracy fulfils its duty to support its inhabitants to **discover** cultural roots, **create** cultural expressions, **share** cultures and creativity, **enjoy** the city's cultural resources and spaces, and **protect** the city's common cultural resources.

It was proposed that urban and infrastructure projects should start with a cultural need rather than an injection on to the completed built forms.

Just Cities in Africa: The Role of Intermediary Cities in Transformative Urbanisation, the case of Nakuru City.

Fredrich Ebert Stiftung Hosted the session on ***Just Cities principles in Kenya***. The four pillars suggested as dignity, equity & diversity, rights & responsibilities, and democracy. According to Judy Waihenya, the Nakuru chief officer, the new city is looking to be "a model city that enhances quality of life and economic prosperity". Nakuru seeks to be associated with non-motorised urban mobility. Nakuru is also planning to construct an international stadium.

Smart City v Just City

It was discussed that the smarter a city the less community participation is achieved. A just city on the other hand requires more community participation. Unjust cities are designed by a few for the few, managed by a few. Therefore, an equilibrium between smartness and justice is desirable for sustainability. The Nairobi Expressway was given as an example of an unjust infrastructure project being "an upper deck for a few looking down at the struggles of the majority below."

Prof. Omenya speaking in a panel observed that our economic planning is not anchored in law but on political continuity. In this case therefore, the law of the land fails to serve the people as it should. Meanwhile, associations like AAK were challenged to provide leadership in entrenching proposed principles in practice.



Official Launch of The Centre on The African Public Spaces

Studies show that only 30% of people in sub-Saharan Africa have access (less than 30 minutes' walk) to an open public space, while 9/10 persons are likely to name a public open space as their favourite place of a given city.

Public open spaces can be seen as public health infrastructure. Access to these spaces encourages physical activities which result in disease free bodies. Healthy choices can be made national choices through open spaces being utilized as urban living "rooms". The aim of the centre hence is to promote Inclusive, Safe, Accessible, and Vibrant African Cities with Quality Context Sensible Public Spaces at The Heart of Their Development.



Public Open spaces can be seen as public health infrastructure.



Unjust Cities are designed by a few, for the few, managed by a few

3iF Launch

On May 18th at the newly facelifted Uhuru Park in Kisumu, KounKuey Design Initiative (KDI) and its partners, including AAK, launched the Integrated and Inclusive Infrastructure Framework for Kenya (3iF) document. The Framework has been in the making for the past 2 years funded by the UK's Royal Academy of Engineering.

3iF is a practical guide for actors in infrastructure development at Kenyan informal settlements. It is designed to aid integration and inclusivity of communities and all stakeholders in public projects. It is further intended to provide a basis for government, built environment professionals and academics to achieve sustainable projects via sound policy, planning, designs and constructed infrastructure projects, thereby reducing inequality and promote shared prosperity.



George is the chairperson of the Architects Chapter of the Architectural Association of Kenya (AAK), partner at Sitescape Studio Limited, an architectural practice with offices in Nairobi and Mombasa. He has Served for 6 years as a part-time lecturer at the University of Nairobi department of Architecture & Building Science, and at the Nairobi Institute of Technology departments of Building & Interior Design. He is currently a part time tutor of ICT for Architecture at the School of Architecture & the Built Environment, Kenyatta University. Tweets as @arabbu.



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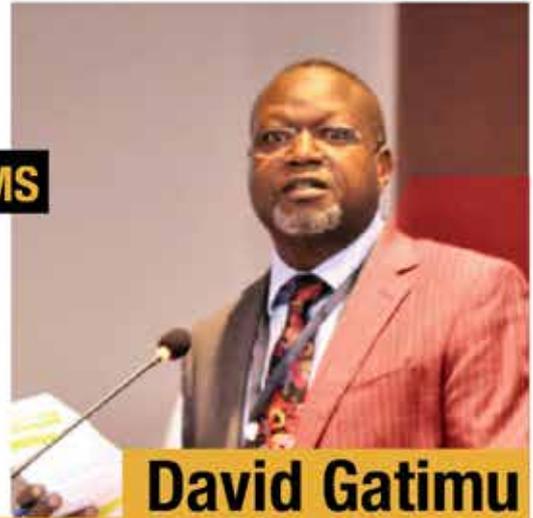
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CONVENTION SPEAKERS

SESSION 2: E-GOVERNMENT & DIGITAL ECOSYSTEMS IN URBAN MANAGEMENT

WED, 6TH JULY | 11.00AM



David Gatimu

Planner, Urban Development Practitioner

SESSION 3: URBAN MOBILITY AND SUSTAINABILITY IN THE URBAN SYSTEMS

THUR, 7TH JULY | 9.10AM

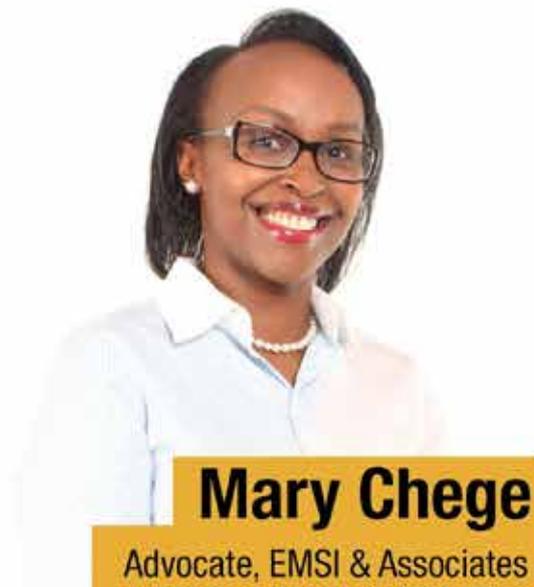


Chris Kost

Africa Programme Director,
Institute for Transport and Development Policy

SESSION 4: INNOVATIVE MUNICIPAL FINANCING MODELS/MECHANISMS FOR INFRASTRUCTURAL DEVELOPMENT

THUR, 7TH JULY | 11.00AM



Mary Chege

Advocate, EMSI & Associates

CONVENTION SPEAKERS

**SESSION 5:
LEGAL AND POLICY FRAMEWORK FOR
EFFECTIVE URBAN MANAGEMENT**

FRI, 8TH JULY | 9.40AM



Dr. Charles Konyango

Planner, National Director of Urban Development,
State Department of Housing and Urban Development

**SESSION 6:
ROLE OF NEIGHBOURHOOD
ASSOCIATIONS & CIVIL SOCIETY GROUPS
IN URBAN MANAGEMENT**

FRI, 8TH JULY | 11.20AM



Irungu Houghton

Chair, Kilimani Project Foundation

Salute Spatial Solutions



When was the firm started?

2019

Who are the founders?

Planner David Gatimu

What professional services does your firm offer?

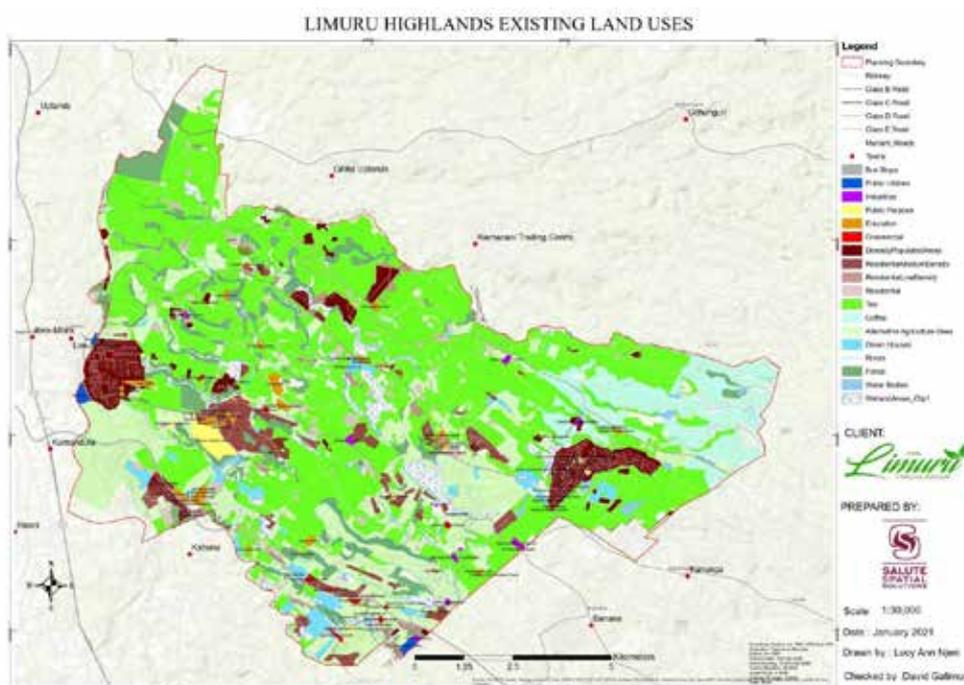
Integrated Urban Planning, Land Use Planning, Planning Advocacy, Urban Design, and Government Relations.

Most interesting projects to date?

The Limuru Highlands Neighborhood Development Plan. It was a community-led initiative and detail oriented to the street level. Another exciting project the firm has handled is the revision of the Konza Technopolis Phase One Master Plan. It was the first Master Plan project to be uploaded and approved in the new Ardhi Sasa System.

Most disappointing project?

There really hasn't been any essentially, but according to Pln. Gatimu, there are potential projects on planning for lower-level urban centers that are undergoing unregulated growth but lack imperative planning attention and financing from the government.



How did you overcome the challenges of the COVID-19 period?

When the Covid-19 pandemic struck, the order of business in Salute Spatial Solutions was significantly affected, calling for a paradigm shift. The transition entailed remote working, integrating technology in daily operations and the use of online meeting platforms such as Zoom, Teams and Google Meet.

Any CSR activities you are engaged in?

Salute on-boards students as well as fresh graduates with the aim of giving them a modern, multicultural, and interactive working environment. Moreover, the firm engages the public and local communities on social platforms in discussions on sound planning, as means of advocacy and enlightening them on the topic.

Vision for the firm?

It is the vision of Salute to be one of the leading firms in providing development solutions to create ground-breaking, safe and livable communities.

Where do you see the firm in 10 years' time?

'In the next ten years, it is our goal to build a creative and diverse team that crafts places that people love and enjoy. All these conducted in a way that ensures participation of everyone that has a stake in the built environment and in a manner that creates a more sustainable business climate.



Challenges and Lessons Learnt from being a professional consultancy in Kenya

Salute has encountered some challenges particularly in the sourcing and procurement of planning projects under the County Governments, largely due to inadequate transparency and adherence to procurement regulations. Additionally, among the practicing professionals, some professional hygiene is needed to eliminate tendencies of undermining the rules of the game.

For David, it has been a teaching and learning experience. "I have learned that planning cannot be confined in one firm and partnerships are requisite at firm level, peer level and with other professionals," he says.



Planner David Gatimu is a registered urban planner. He is a Corporate Member of the Town Planners' Chapter of the Architectural Association of Kenya (AAK-TP), Corporate Member of the Town and County Planners Association of Kenya (TCPAK), and former member of the Physical Planner's Registration Board (PPRB). Mr Gatimu is also a member of the International Society for City and Regional Planners (ISOCARP), and the founder and CEO Salute Spatial Solutions Ltd .





Urban Landscape Planning and Governance Interface

by Ruth Wanjiku

Landscape planning entails interweaving the different components of the urban landscape into one scheme that enhances provision of adequate ecosystem services for the urban area. An urban landscape that is well planned will connect communities, enhance the natural environment, be well integrated with the built environment, and provide amenity, ultimately enhancing the everyday lives of those who live and work in the urban areas. The urban landscape is comprised of various elements that include streets, waterfronts, recreational facilities, incidental spaces, private gardens, school yards, and urban farms, with the most prominent urban landscape being the public open space.

Landscape Planning Policy Framework

The landscape planning spectrum has three main components, namely, planning, implementation and maintenance. Urban landscapes are dynamic and thus require strategic planning to address challenges that often require diversified approaches to governance. The Landscape planning process is a collaborative process that brings on-board different stakeholders, including the public, private entities as well as political and administrative arms of government. The last two are critical in ensuring that the urban landscape is allocated adequate land and in the appropriate locations at the urban planning level. Hence, landscape planning also entails development of an institutional framework and landscape planning policy framework.

A landscape planning policy framework should ensure that during development of urban area plans, in addition to the requirements of open spaces, specific attention is given to how the different elements of the urban landscape are linked to act as one landscape system. Further, the policy should seek to address how incidental spaces arising from infrastructure or building construction projects are used to enhance the overall urban landscape.

Governance in Urban Landscape Implementation

The implementation of landscape projects often requires public funding and public good will. The institutional framework in place should provide a foundation for budget allocation and/or justification. In Kenya, there is a common practice, where when there is need for budget reductions, the first casualty is the landscape budget. It is imperative that the budget allocations for urban landscapes are not reduced in favor of other urban elements. Moreover, the urban plan landscape system should be implemented as outlined in the urban plans with minimal or no alterations.

Despite their place as a key component of the urban landscape fabric, private gardens are rarely seen as part of the urban landscape. However, despite controlled access into these spaces, they still provide ecosystem services to the urban areas since landscapes and ecosystem services are borderless. It is therefore crucial that development control enforcement ensures that private landowners provide adequate landscape areas within their properties, with specification on the materials selection adhered to. This will curb the tendency of developers to provide little or no green space within their properties and hence subsequently reducing the overall urban landscape areas. Moreover, governance plays a crucial role in adoption of vertical and roof landscape planning elements, through structured incentives.



The urban plan landscape system should be implemented as outlined in the urban plans.

Waterfronts contribute largely to the urban landscape fabric. However, urban river corridors face various challenges that include pollution, encroachment, and underutilization, among others. To enhance the urban landscape fabric, urban waterfronts should be integrated as a core part of the urban fabric through regeneration projects and development control measures. Adequate governance and policy frameworks are required, to enhance coordination of the different actors and stakeholders involved in waterfront management and use. Additionally, urban governance methodologies should explore non-conventional ways of dealing with rivers such as canalization. A successful case is the regeneration of the Cheonggyecheon River in Seoul, which was transformed from road infrastructure into a vibrant urban landscape by canalizing the river.



Cheonggyecheon before regeneration



Cheonggyecheon Stream Park

The management and maintenance of the urban landscape is within the public domain and hence poor urban governance may often result in degraded urban landscapes. Since the cost of maintenance of the landscape is usually linked to the original concept, the Landscape Architect should anticipate the maintenance requirements at the planning and design stage. The just completed expressway has generated many questions on the cost of maintenance, with plants requiring replacement in the short term and requiring water intensive mode of irrigation. Moving forward, it is crucial that the Kenyan road design manual is reviewed to include adequate landscape planning guidelines for the street and highway landscapes in the country.

Budgeting for Urban Landscapes

Further, public open spaces are a major component of the urban landscapes and hence tend to have the largest maintenance requirements. Majority of the maintenance challenges can be tackled at the planning level with the design being cognizant of the life span and growth characteristics of the flora and ensuring application of water-wise landscape planning, among other principles of sustainable landscape planning. Additionally, all public open spaces should be allocated a maintenance budget, as poorly maintained public spaces gradually become areas of urban decay.

In conclusion, the landscape is the fabric on which different elements of an urban area are woven on. Through proper landscape planning and management, urban areas become cohesive masterpieces that provide economic, social and environmental benefits to the dwellers. It is therefore important that urban governance includes urban landscape governance that will guide planning, implementation and maintenance of the urban landscape.



Ruth is a Landscape Architect and Urban Planner with over 13 years of experience in the built environment with vast experience in infrastructure projects across Africa. She is a director and Principal Landscape Architect at Muzuri Spaces, a landscape architecture firm that provides landscape design and landscape construction services. She is also a part time lecturer at the Department of Landscape Architecture, at Jomo Kenyatta University of Agriculture & Technology, JKUAT. Ruth holds a Bachelor in Landscape Architecture from JKUAT and a Masters in Planning (Urban & Regional planning) from the University of Nairobi. Ruth has served in various capacities in the Landscape Architects Chapter AAK and is the current Chapter Chairperson.

The Kenya We Want

Sustainable Guidelines for Policymakers in the Incoming Government

When you think about it, we all have an idea of the Kenya we want. The real question is how do we get it? What actions must we take to get there, and what are the consequences for those who lead us astray? Effective policies will help us achieve our national goals as a country. That, and a high level structure and culture of accountability.

As a sector of the national economy, the built environment too is reliant on the formulation and implementation of policies for its development and progression. Since policy-making can be seen as a pedal of action and transformation, it is imperative that it is inclusive and participatory. Built environment professionals must participate in it through adequate and equitable representation at the decision making level, as well as through research, discourse, model, and experimentation.

The Kenya We Want is a campaign that is run by AAK every election year. It outlines key areas in which the incoming government should concentrate its efforts. It is aimed at giving policymakers detailed recommendations on critical areas within the sector that require prioritisation and focus. Further, it guides policymakers transitioning from one government to the next, on lessons learned and ensuring that institutional mechanisms are “fit for purpose”.



Kenya’s inadequate building and land use control has increased disaster risk in the construction industry. Regulatory decisions will have a substantial impact on the urban built environment’s long-term safety, productivity, and resilience. To implement the good urban governance agenda, The Kenya We Want Campaign provides action-oriented recommendations around five main themes that emerged as key pillars for a territorial approach to the agenda;

- **Climate Justice**
- **Sustainable Urban Growth**
- **Improved Business Environment**
- **Sustainable Infrastructure Development**
- **Reformed Urban Governance**

Climate Justice:

The March 2022 Global Climate Report reveals that the last seven years have been the warmest ever recorded, with the sea level being on the rise within the same period. We need to take steps now to avert the effects of Global warming. The incoming government should advocate for adopting green building strategies in all upcoming developments.

Sustainable Urban Growth:

The government should ensure that urban areas are established according to the provisions of the Urban Areas and Cities Act (2011). Additionally, the incoming government should progress efforts made so far by adopting well-designed and locally specific building regulations central to addressing construction challenges and enforcing them transparently.

Improved Business Environment:

According to the Kenya National Bureau of Statistics (KNBS), over 1.4 trillion was used on road construction between 2013 and 2021, while contracts of over 1 trillion were awarded to foreign contractors. We implore that sustainable promotion of local content is a priority for the incoming administration. It should also streamline the process of acquiring licenses and ensure systems are favourable for different businesses.

Sustainable Infrastructure Development:

Regrettably, many road projects implemented in the country are not inclusive nor people-friendly. In 2021, NTSA reported that 38% of road accident fatalities were motorcyclists, 35% were pedestrians, 17% were passengers, and 10% were drivers. Investment in infrastructure provision should be people-centered by catering to everyone's needs. We urge the incoming government to ensure optimum budgetary and resource allocation for sustainable infrastructure projects.

Reformed Urban Governance:

Each government entity should have sufficient resources, skills, and capacity to ensure that the planning processes are legally enforced, well-coordinated, inclusive, and cross-sectoral. We laud the outgoing government for implementing ArdhiSasa and E-permitting systems in various counties. The incoming governments should ensure that the remaining counties adopt the technology and work towards a standard electronic system for all counties.



Kenya being an emerging middle-income economy, sustainable urban development contributes to the realization of Vision 2030. In addition, it is essential to accomplish the Global Sustainable Development Goals and the New Urban Agenda. The incoming government must be committed to delivering an effective planning process, as well as continued involvement with stakeholders. Policy is one of the most essential tools for addressing the benefits and challenges of modern urbanization. If the incoming governments recognize its importance, Kenya has a good chance of attaining social, economic, and environmental progress.

Participate in the dialogue and express your thoughts on the topic via AAK social media platforms, as this is a continuing discussion throughout this election year.



The Year in Photos



PS Charles Hinga, AAK Executive Committee members and the CEO during the launch of the State of the Built Environment Report July - December 2021



PS Charles Hinga and the AAK President (2) at the launch of the State of the Built Environment Report July - December 2021



AAK members at the Dura Coat Awards of Excellence



Award Presentation to Miss Detty Numbi Mbabi for being a juror in the Dura Coat Awards of Excellence



Dura Coat Awards of Excellence Jurors together with the AAK President and the Vice President



Environment Design Consultants Gedion Olawo (left) and Duncan (right) together with student who won the students competition



Student Winners for the AAK- KDI Students Competition



Winners for the Dura Coat Awards of Excellence

The Year in Photos



AAK Members during the Presidents Dinner



AAK Secretariat at the President's Dinner 2021



The AAK President awarding the Chief Guest at the Presidents Dinner



Welcoming new AAK members during the AGM Gala Dinner



AAK Secretariat during the AGM Gala Dinner



Panelists during the Architects Chapter CPD Event



AAK Vice President Arch. Florence Nyole



AAK President during the Kenya We Want Campaign Launch

What does Urban Governance mean to the Youth?

By Jane-marie Munyi



Urban governance is the process through which policies and decisions in towns and cities are made. It is guided by the relationship between state agencies and civil society—a term that is used to refer to citizens, communities, private-sector actors, voluntary organizations and young people. Research has shown that when communities and sub-national governments support the active participation of young people in development, the benefits have a ripple effect, thereby improving society as a whole.

Although Sub-Saharan Africa is currently the fastest urbanizing region in the world, the youth in the continent are faced with most of the typical urbanization challenges. This, owing to their lower levels of income, increased poverty, low levels of education, lack of economic independence, socio-economic and political exclusion, and limited employment prospects. This is a phenomenon that exposes critical gaps in efficient and effective urban governance. Urban areas are growing at an unprecedented rate worldwide in many cities of the world, with more than 50% of the urban population under the age of 19 (McNulty, 2005). This calls for youth-focused local governments that respond to the needs of the youth, and specifically, creation of economic opportunities, open spaces, safe communities, clean and healthy environments among others.

The youth often inherit negative city conditions that result from ineffective urban governance. For instance, Nairobi had been long known as the green city in the sun as it prided itself in green, blue and grey spaces that seamlessly integrated with the built environment. In the 1900s, public spaces were greener and prominent in Nairobi's Urban Planning Master plan, occupying about 30% of the total area.

Today, open space is just a fraction of that and most residents, especially the young generations are denied places of shade, calm and recreation (Kinyanjui, 2021). The social and mental development of children and youth depends on their physical environment, and hence access to parks and green spaces is crucial.

For young people, public spaces provide opportunities to learn, create, explore, imagine, play, and maintain their connection to the natural environment (National Teachers' College, 2021). However, all these benefits have reduced over the years due to urbanization challenges such as change of use in favour of economically viable purposes and poor land use planning that has seen the dwindling of these open spaces especially public green spaces. All this points back to poor urban governance that propagates processes and systems that have failed to adequately address the needs of the city's population. The failure to promote efficient and effective urban planning, design, and management with the youth as stakeholders has also greatly contributed to the current state of urban areas.

“**Urban areas are growing at an unprecedented rate worldwide in many cities of the world, with more than 50% of the urban population under the age of 19.**”



The space as a dumping site before transformation in Mathare



Transformation of the dumping site into a football field in Mathare

The youth need inclusive, clean, healthy, green and sustainable urban environments. This is only possible through the involvement of the youth in development planning, policymaking, decision-making, urban planning and management forums. Further, it is imperative that there be created conducive and enabling environments for them to participate. This will promote intra-generational and inter-generational urban sustainability.

In Nairobi, the Mathare Environmental Conservation Youth Group (MECYG), engages the Mathare slum youth in environmental issues and since its inception, MECYG has been dealing with issues of public spaces. The MECYG helped Austin Ajowi, a retired football coach, to transform a space that was once a dumping site into the only football field for the community of approximately 50,000 residents. MECYG achieved this by mobilising the youth to sleep in the dumping site to ensure that the community stopped dumping there (Mathare Environmental One Stop Youth Centre, 2020).

Young people are uniquely positioned to address the planning and policy concerns around preserving, designing and managing urban environments. They easily comprehend contemporary issues such as climate change, and are hence best placed to take part in advocacy campaigns and local action. Governments that make and implement youth friendly policies invest in the health and sustainability of their cities for the long run.

“The youth is the hope of the future” is a misleading statement as it implies that the youth should wait for the future to bring about change. It is high time that urban governance systems debunk the notion that the youth are not ready or experienced enough to offer solutions to the most pressing urban challenges of our time. When it comes to urban planning and management, youth involvement should be central to the public participation agenda since in addition to bringing innovative and fresh ideas, they are best suited to communicate exactly what they need. The youth and children are, after all, the leaders and residents of tomorrow.



Jane-marie Munyi is a recent graduate of the University of Nairobi, with a 1st Class Honors degree in Urban and Regional Planning. She is practicing as a Graduate Physical Planner in the public sector. She is passionate about creating livable, resilient, green and sustainable societies that aim towards the realization of the Sustainable Development Goals. Her research interests lie in urban planning and design, application of technology in planning, environmental and collaborative planning. Email: muthonimunyi2@gmail.com

Revitalization of Urban Public Open Spaces - Case of Kiambu County

By Brenda Kamande



In 2011, the Urban Areas and Cities Act gave effect to Article 184 of the Kenyan Constitution which provides for the classification, governance and management of urban areas and cities. The document outlines criteria for classifying urban areas and cities, governance structure for urban areas under management of boards of cities and municipalities, how to develop integrated development plans for urban areas and participation of residents in their urban areas.

It is against this background that the County Government of Kiambu in partnership with the World Bank-the sponsor, through the Kenya Urban Support Program (K.U.S.P) set out to improve infrastructure and services in the newly formed municipalities of Thika, Ruiru, Kikuyu, Limuru, Karuri and Kiambu. Priority was given to public spaces, roads and non-motorized transport facilities, drainage and sewer systems, disaster management centres and street lighting.

Project Selection and Prioritization Process

The process of project selection involves holding public fora in the different municipalities where members of the public make suggestions on possible projects to undertake. The proposals are then subjected to feasibility analysis and appraised against a given criteria. The appraised projects are reported to the Municipal Boards, which then prioritize and pass the viable projects. The next step is for the County Assembly to give approval, after which design of the projects commences. The draft designs are then presented to stakeholders for input. The stakeholders engaged are normally organized groups with a certain level of interest in the project such as resident associations, PWD groups and project affected persons.

Three projects were selected under the public open spaces category namely Christina Wangari Gardens in Thika, Felma Shopping Centre Park in Kahawa Sukari, Ruiru and a 200m stretch of non-motorized transport facilities in Kikuyu town.

REHABILITATION OF CHRISTINA WANGARI GARDENS, THIKA

Introduction

The Christina Wangari Gardens are set on 1.5 acres in the heart of Thika CBD and is one of the oldest public open spaces in Thika town. It attracts approximately 2500 users daily including those passing through.

It is said that the gardens were named after a long-time serving KANU woman leader in Thika. Other stories say Christina was a freedom fighter. The history might not be very clear but what is evident is the popularity of this public space. It is a well-known meeting and social space for business persons, people on transit, students and people visiting government offices nearby. The park is popular for its centrality and proximity to most services in the growing town of Thika.

Before its rehabilitation which ran from 2019 to 2020, the Gardens were faced with challenges of congestion, a constraining design with narrow pathways and hidden nooks that contributed to the insecurity the space was known for.

The (re)design considerations

The gardens are host to huge iconic trees such as the majestic Cape Mahogany (*Trichilia dregeana*) that contribute to the unique character of the space. We viewed the space as an urban palimpsest as opposed to working from a tabula rasa/raza-a clean slate. We translated this by designing around, mapping and conserving the existing trees. We left them as markers and maintained the pedestrian axis through the town, cutting through the gardens and finally introduced a new layer of elements through new sitting areas, a plaza, amphitheater and gardens to cater for various groups. This way, the users could still read the old layers and the new and perhaps, help them imagine what can be done in the future.

The two main entrances were recessed to accommodate the existing registered vendors outside the gardens, it was important not to interfere with existing economic activities in the gardens. We also included a sitting nook to cater to the group of photographers who had long been housed in the gardens.

The famous fishpond at the centre was also maintained and given a multifunctional use; a conduit collecting surface run off to the underground tank now runs through the pond. To reduce the movement of cart away material through the busy town section, we designed for and re-used all excavated material to create earth berms to act as noise filters on the side adjacent to Kenyatta highway.

The centre was redesigned as a wide, open space, hosting a plaza that also acted as a node for the four entrances into the park. The planter seats around the trees were designated as the primary sitting areas. This ultimately helped in improving surveillance as all the other spaces were designed to face the centre.

Most of the park users would now be concentrated in this hardscape, hence making maintenance of the remaining soft landscaped spaces manageable. With the large hardscape created, we added an artificial river that collects surface run off, through the pond and sump drains into an underground tank for irrigation use. The excavated material was reused to create an amphitheater and earth berms for noise control. The seating arrears were cast insitu to reduce vandalism and with the redirected focus towards the centre, the new amphitheater could now comfortably fit up to 300 people.



Thika Gardens (Before)



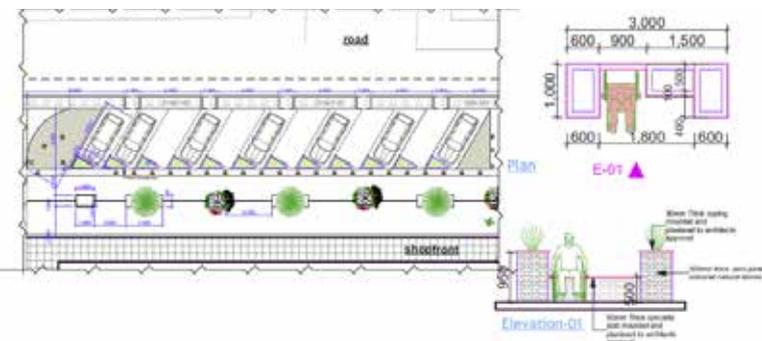
Thika Gardens (After)

Outcomes

1. The redesign has improved surveillance in the gardens as the centre is now a focal point and has improved free movement.
2. The town has a decent public space attracting a wider range of users than before. Groups of children can now play, while various artists use the space for shows and the public now have a social space for gathering and meetings.
3. The involvement of stakeholder groups helped in creating public space ambassadors. For example, the group of photographers camped at the gardens helped the public understand what kind of work has been carried out as they had been involved and had first-hand experience.
4. During project implementation, the drawings were available on site for interested people to view. A suggestion box and grievances book was also available for the public to make observations and suggestions during implementation.

Challenges

1. Maintenance and follow up by user department remains a challenge
2. Control of and negotiation with vendors and hawkers is also a developing challenge
3. Vandalism of infrastructure within the gardens is on the rise. Grill bars and lighting fixtures are often targeted for vandalism attempts.



KIKUYU TOWN NON-MOTORIZED TRANSPORT FACILITIES; A PILOT PROJECT

Introduction

Streets are considered public spaces and are spaces of conviviality, where everyday life happens. As a transitory and dormitory town, Kikuyu is growing at a steadfast rate. The Non-Motorized Transport (NMT) facilities project along Posta Road in Kikuyu Town was initiated as a pilot project towards pedestrianization of roads and prioritization of users on foot and bicycles. A 200m stretch along the road was selected. It links major public spaces and facilities such as the newly rehabilitated Kikuyu Train Station, the new Market, existing Bus Park and Taxi rank and is strategically adjacent to most government offices that serve droves of people daily.

Before the project, there had been a prioritization of vehicular access where there was two rows of parking, hence limiting pedestrian access and movement. In prioritizing pedestrians and non-motorized transport, we designed the facilities to include a 2400mm wide walkway, a 1600mm cycling lane, a street furniture zone with seats, solar lighting, waste bins, water points, vegetation, and vehicular and bicycle parking.

Design Change Considerations

There was an emphasis on inclusive access by Persons with Disabilities, the young and old due to the uneven building levels along the road. We included ramps to lower buildings, recessed wheelchair bays in several seats were also designed to create an inclusive sitting area, and a tabletop bump was introduced at the main crossing. These considerations were made in collaboration with local stakeholder organizations and the municipal board.

For street design, the standard parking spaces should be parallel. We however made an adjustment after the town managers asked for more parking spaces. We negotiated on a wider angle of 60 degrees to avoid traffic tailbacks when getting onto the main carriageway.

Learning from previous projects, we designed the cycling lane to be finished in colored fibre reinforced concrete which provides a smoother experience for riders compared to precast concrete blocks. Vandalism remains a challenge in most public space projects, therefore use of longer lasting materials such as stone and concrete was important. Water reticulation for drinking and irrigation was considered at water points along the corridor. We were able to negotiate with other service providers such as internet providers to reorganize their cables and ensure the manholes were at the same finish level as the walkway and cycling lane for user safety. The sewer line trenching was also done ahead of the connections to reduce disturbance of infrastructure in the future. Collaborations are key.

Outcomes

1. There was ripple effect. For example, a developer across the street inquired about the project, asked for input on his side and set up a walkway and ramp adjacent to his new commercial building.
2. The banks along the corridor were concerned about having seats outside their facilities due to surveillance. Once the space was usable, they appreciated having the benches as extra waiting space for their clients.
3. The buy in was eventually greater as the users understood the details of the project. Shop owners agreed to share loading zones to free up space for other uses.
4. Individuals and organizations approached us and through the available grievance redress system, we addressed the pertinent issues raised such as access by persons living with disabilities and drainage.
5. Youth groups and artists use the space for mini concerts and activities in the community.





FELMA PARKI Kahawa Sukari Estate, Ruiru

Introduction

Felma shopping centre at the heart of Kahawa Sukari Estate in Ruiru hosted an open space left bare and open. The space, which had originally been designated as a public open space was being used as an illegal parking and waste dumping space. Its disuse exposed it to the possibility of land grabbing.

The design challenge was to provide a suitable inclusive public park that would eventually grow into a socio-cultural centre in the neighbourhood. This included a strategy for creating a suitable micro-climate and springing life in the space, both human and plant.

All the excavated black cotton soil material was reused on-site as mounds/earth berms for active play areas hence greatly saving on costs and sustainably designing exploration areas for children.

A key feature is the rainwater garden at the centre of the park. It sufficiently ensures surface run-off is collected, filtered, and cleaned through plants, natural and engineered soil, and rock process. The water is then stored in a 30,000litre underground water tank, and reused for irrigation and cleaning. The park has no additional drainage systems. An important sustainability aspect in an area that is plagued by irregular water supply.

The residents were very supportive and participated in the building process. We had a suggestion box outside the building process. We had a suggestion box outside and inside of the site and held consultative meetings with the help of the local member of county assembly who was instrumental in rallying residents and lobbying for the project. From the engagements, we redesigned accordingly.

The interest was notable as we had people asking for the perimeter length of the park to determine whether they could jog around it (we included a path around the perimeter), children writing in to ask for a swimming pool and football pitch; and though the budget did not allow, we included a lawn big enough for a 5 aside game. Others proposed having an events space, so we reorganized the seating spaces to accommodate that. Since the budget allocation did not cater for washrooms and shops, we indented the perimeter wall to allow for tuck shops in future, and had the contractor connect to the sewer with a decent temporary washroom on site for users, as we lobby for the permanent facilities.

Outcomes

1. Strengthened bonds in the community
2. Ecological change. We noted the presence of birds and cooler temperatures months after installation.
3. Awareness: Once we occupied the space, potential grabbers disappeared, and the real owners (the public) came out to activate the space.
4. Additional infrastructure was developed. The parking and driveway around the park at the shopping centre was prioritized, budgeted for, and implemented in a separate budget.
5. Revenue towards maintenance of the park is collected from groups that conduct activities in the park.

The park now hosts play activities for children, gym work outs, photoshoots and video shoots, organized groups hold trainings and meetings in the space, youth groups and individuals enjoy the variety of spaces provided.

Post Occupation Analysis

1. Skating and cycling on precast paving blocks is uncomfortable. The standard is AC or reinforced concrete. A lesson we have applied in subsequent projects.
2. The need for other supporting amenities is great since the park cannot fully run without a proper washroom and administrative office.



Felma Park (Before)



Felma Park (After)



As a designer, always be ready for (and with) counter proposals and drive the dialogue towards achieving wholesome designs

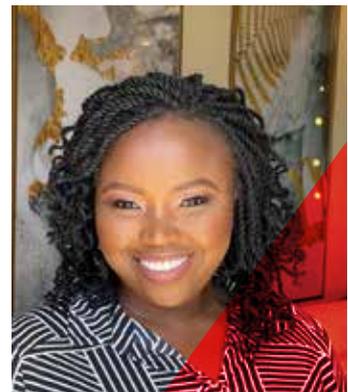
LESSONS FROM THE 3 PROJECTS:

1. Landscape is a generator of active life
2. Landscape provides tools (physical, social, environmental) for others
3. Landscape communicates values and tradeoffs in projects
4. Landscape is choreographed (activism) and used to reset typologies by involving the public
5. Landscape can be used to scale up change
6. As a designer, always be ready for (and with) counter proposals and drive the dialogue towards achieving wholesome designs
7. The support of all levels of urban governance is key in the realization of public interest projects

SELF CRITIQUE:

My greatest lesson as a designer and urban dweller has been to do it right, once. Then keep learning and improving as I go. So, what could we have done better?

- Used a greater variety of materials
- Planned for the design charettes to save on back and forth, and encourage ownership and participation
- Done more research on and improve on friendly street furniture design that is also vandal proof
- More plans for maintenance past the defects liability period. Involve both client and user departments and help outline expectations for each



Brenda Kamande is a Landscape Architect and Urban Designer with over 7 years' professional experience. She holds a Bachelor of Landscape Architecture degree from Jomo Kenyatta University of Agriculture and Technology Kenya, (2014) and a Master of Human Settlements from the Catholic University of Leuven, KU Leuven, Belgium (2018). Brenda works for the County Government of Kiambu as the County Landscape Architect. She has considerable experience in the design and implementation of projects ranging from site planning, master planning for towns, public parks, street designs and institutions. She also tutors part-time at her alma mater, in the Landscape Architecture department. Brenda currently chairs the International Federation of Landscape Architects, IFLA Africa Professional Practice and Policy (PPP) committee and serves as the Assistant Secretary Architectural Association of Kenya, Landscape Architects Chapter.

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The What, Why, and When of 3iF



Imagine a Kenya with decreased inequities and disparities; a Kenya that can not only boost but also sustain long-term economic growth and social equity. A Kenya that is just, resilient, and has vibrant neighborhoods and cities all around the country. A country with inclusive infrastructure, where every voice is heard and the needs of urban dwellers included in the planned and designed systems.

So far, slum-upgrading initiatives in Kenya and East Africa have failed to include long-term infrastructure planning or real resident participation. This leaves vulnerable populations with insufficient access to basic amenities and infrastructure, as well as the related challenges of poverty. These neighborhoods, such as Kibera, Mukuru, and Mathare (together home to more than 1 million Nairobi residents), currently find themselves at a critical inflection point.

To address this problem, the Integrated and Inclusive Infrastructure Framework (3iF) was proposed. It is a solutions-based, data-driven agenda that will enable participatory and interdisciplinary infrastructure design that supports sustainable development, poverty alleviation, equitable communities, and improved public health.



Imagine a Kenya with decreased inequities and disparities...

What is 3iF?

The 3iF – Integrated and Inclusive Infrastructure Framework – is a practical guide for Kenyan entities involved in infrastructure and informal settlement development. It strives to maximize the integration and inclusion benefits of projects and learning by government, built environment experts, students, and academics. It is meant to be utilized in the development of policies as well as in the planning, design, and implementation of infrastructure improvement projects, in order to minimize inequality and promote shared prosperity.

To drive thinking and action toward this goal, a coalition of built environment practitioners, community activists, and researchers was convened to create the 3iF. The development of the framework was funded by the Royal Academy of Engineering (RaEng), led by the Kounkuey Design Initiative (KDI), and supported by the University College London, the Architectural Association of Kenya, ARUP, and the Akiba Mashinani Trust.

Why 3iF?

As government bodies and other partners make considerable investments in infrastructure across Kenya, 3iF is positioned as a set of principles and tactics to support sustainable infrastructure development in the nation's cities.

A network of partners has been established to incorporate 3iF principles and strategies into infrastructure projects. Through 3iF, the proponents intend to engage more people in the conversation around sustainable infrastructure in Kenya while taking into account the perspectives of other professional organizations like the Institution of Engineers of Kenya, the Kenya Green Building Council, and the Joint Building and Construction Council (JBCC).

When to Use 3iFs

3iF applies to all stages of infrastructure projects, and its principles are relevant at regional, city, settlement, and neighborhood scales. It is applicable to:

- Planning and Design
- Implementation & Use
- Governance & Policy

The handbook, which is the first version of 3iF for Kenya, introduces new “Principles” and an initial set of practical “Tactics” for promoting inclusive and integrated infrastructure for upgrading.

It is specifically designed for informal settlements, but it is envisioned that it can also be applied to urban development processes in other settings. The framework was launched at the AfriCities Summit 2022, held in Kisumu, Kenya, and is now accessible via **3iF.info**. We welcome recommendations and feedback from those who have read or used this guidance.

Visit: 3iF.info

3iF INTEGRATED & INCLUSIVE INFRASTRUCTURE FRAMEWORK FOR KENYA

Project Partners:

- KDI
- MUNGANNO
- ARUP
- UCL EFID

Website: 3if.info

3iF - Integrated & Inclusive Infrastructure Framework is actionable guidance for actors working in the fields of infrastructure and informal settlement upgrading in Kenya. It supports government, built environment professionals, students and academics to maximise the benefits of integration and inclusivity in projects. The Framework is intended to be used when developing policy, in planning, designing and implementing infrastructure upgrading projects, to reduce inequality and promote shared prosperity.

The Framework introduces 5 Principles and an initial group of 12 Tactics to support working towards Integrated and Inclusive Infrastructure in informal settlement upgrading.

Find more information and download the first version of the Framework, launched at AfriCities 2022, at **3if.info**.

Principles:

- RIGHTS & THE CITY
- COLLABORATION & CO-DESIGN
- REVIEW & REVISE
- SAFETY & RESILIENCE
- SOCIAL & ECOLOGICAL BALANCE

A Move Towards Sustainable Mobility in our Cities

by Muguru Wairimu



Sustainable mobility is a phrase that encapsulates an environmental dimension of transportation, where reduction of greenhouse gas emissions is achieved - also green mobility. It also goes further to consider the socio-economic dimensions of transport. It allows the basic access needs of individuals and societies, safely and in a manner consistent with human and ecosystem health, and with equity within and between generations.

Sustainable mobility is an integral part of sustainable urban planning and by extension in the attainment of sustainable cities. It is also considered an efficient transportation solution for cities struggling with traffic congestion (Abdelaal, 2015). Sustainable Development Goal (SDG) 11 is about developing sustainable cities and human settlements, including sustainable modes of transport. Some main modes of green mobility include walking, cycling, public transport and electric cars.

For a long time, the transportation system in the cities in Kenya, as in most developing countries on the continent, has been centred around road expansion that mainly favours private cars. Road planning, construction, and maintenance have primarily been undertaken to cater to the movement needs of motorised transport. Unfortunately, barely any provisions or considerations are made for the rest of the road users who happen to be the majority in developing countries. Moreover, many of our roads and streets are designed like highways, and the context and function aspects are barely factored in. This has also significantly contributed to the road safety issues experienced in our country. Fatalities due to road accidents are one of the country's top five leading causes of death, with pedestrians accounting for about half of the fatalities.

Safety and Equity

A paradigm shift is required when designing roads and streets in our country. Critical aspects must be considered when designing streets and roads that serve us in the residential areas, CBDs, industrial areas etc., to ensure equality, safety and comfort of all road users in their mobility. Safety considerations for all road users is an imperative consideration that must be made, especially for the most vulnerable. Moreover, there should be equity in the sharing of the road space among all road users. For instance, gendered design should be mainstreamed, where due attention is given to the fact that both genders travel differently and have different needs for mobility.



Sustainable mobility is an integral part of sustainable urban planning and by extension in the attainment of sustainable cities.

In designing for safety, separating motorised and non-motorised traffic is crucial where higher speeds are used by motorised traffic. The provision of well-designed and paved cycle tracks and footpaths safeguard cyclists and pedestrians using urban streets. Design for safety also means prescribing lower speed limits on urban roads and streets and even lowering them further where roads traverse school zones and informal settlements. Speed limits compel drivers to use speeds that allow them enough reaction time in case of an emergency. Provision of convenient pedestrian crossings, at their crossing desire lines, universally accessible and comfortable is also a critical aspect when designing for safety, while bearing in mind that grade-separated crossings for pedestrians should only be used when necessary.

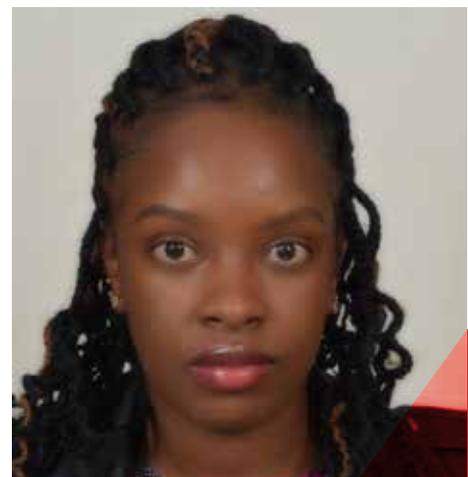


Universal Access

Design for universal access is another critical aspect that has been largely ignored in the design and construction of our roads and streets. It primarily affects people with disability, who are handicapped by our roads and urban streets and are therefore unable to move around without assistance. Lack of universal access also affects children because it is almost impossible for them to move around in our urban streets and roads without supervision, even when going to and from school. This contrasts sharply with towns and cities which have catered for adequate infrastructure where children can walk and cycle to schools and parks unsupervised or without needing guidance from adults. One element of sustainable mobility and the design of sustainable cities is ensuring safe mobility for children and the most vulnerable in society.

Another critical aspect that is ignored when planning our cities and designing our roads is public spaces. Urban roads and streets, gardens and parks in our local context are places that should be available to the public with unlimited access for socialising, holding gatherings, and recreation, and they largely contribute to the liveability and vibrancy of a city. One of the reasons our urban areas are not liveable is that some urban roads and streets which are also public spaces, are not designed to address that function. Moreover, we largely tend to ignore the fact that in places like residential areas and informal settlements, the streets could be the only public spaces used by the community, including children, to socialise. Our highway engineers and other professionals involved in transportation planning should take this fact into consideration and tremendously change how urban streets and roads function.

The design and construction of roads that incorporate an equitable share of road resources and that are considerate to the majority, who are pedestrians, cyclists and those using public transport, would be a significant step towards equitable, safe and sustainable mobility in our cities. While at it, the onus is on us to channel our efforts towards the design, maintenance and reintroducing of the culture of safeguarding our public spaces, more so the landscape aspect and ensuring they are more comfortable, safe and accessible for use by the public for liveable and more vibrant cities.



Muguru Wairimu is a Transportation and Highway Engineer, and Transport Planning Associate, ITDP Africa. She is the Secretary, AAK Engineers Chapter.

Why Gender Matters: Can a city be whole with less than half the players playing?

by Women in Real Estate (WIRE)



Urban governance is the formulation of processes on how the government and stakeholders can plan, finance, and manage urban centers¹. It is greatly influenced and dependent upon political, social, and economic institutions. For the national or county government to successfully manage urban transformations, it should form partnerships with key stakeholders since a holistic approach gives a chance for everyone to have a seat at the table. Where gender is concerned, this means giving men and women equal opportunities to make decisions, plan and manage urban areas.

Relationship between urban governance and gender

Urban governance cannot be considered holistic if it is not gender sensitive. Gender is a marginalized construct in the urban setting, with men and women having different needs informed by social constructs. How men and women participate and benefit from urban governance is greatly influenced by existing norms and expectations which largely hinder women from accessing resources in urban centers. Jo Bealle of The London School of Economics summarizes that a gender sensitive approach to urban governance has two principal objectives. Firstly, to increase women's participation in human settlements development and, secondly, to foster gender-awareness and competence among both women and men in the political arena and planning practice.

Representation of women in urban governance

The representation of women in public offices and among stakeholders in urban development is critical in achieving gender sensitive urban governance. However, it should be noted that the representation of women does not guarantee that women's interests will be addressed.² This is because political ideologies and societal norms can create barriers for women in positions of power. According to a WIRE (Women In Real Estate) survey, women constitute only 25% of the town and urban planners. Further, the UN Women 2022 survey reported that 51% of men agree that women should spend more time taking care of their families and work less. Additionally, 63% of survey participants agreed that it is easier for men to vie for office compared to women. Misconceptions on the role of women have greatly hindered sufficient representation of women in urban governance with many women deemed 'not manly enough' to run for office or 'incapable' of running for public offices.

“

According to a WIRE (Women In Real Estate) survey, women constitute only 25% of the town and urban planners.

Why is gender inclusion important?

Gender inclusion is important in urban governance because when it comes to political, socio-economic, and cultural issues, men and women have different interests. For instance, women can address issues such as planning of infrastructure to have lactation rooms and changing rooms; issues that would not be considered without women's involvement. It also boosts the economic and political capacity of women to influence policy and provides role models for other women to look up to.

The Platform for Action and the Convention on the Elimination of All Forms of Discrimination against Women (CEDAW) places great emphasis on women's equal participation in decision-making. The Platform for Action states that: *"Women's equal participation in decision-making is not only a demand for simple justice or democracy but can also be seen as a necessary condition for women's interests to be taken into account. Without the active participation of women and the incorporation of women's perspectives into all levels of decision-making, the goals of equality, development and peace cannot be achieved."*

Engendering partnerships in urban governance

Civic engagement is a key component of urban governance since to achieve a holistic approach, policymakers, users, and designers should have strong partnerships. The representation of women should not just be increased at the local and national political level but among professionals, in organizations, and the involvement of women users. Partnerships need to recognize the diversity among women groups such as age, their potential, interests, and needs and consider women as equal stakeholders.

Gender mainstreaming in urban policy, budgeting, and planning

Policies should also be gender mainstreamed to allow for the inclusion of women's perspectives. Cities cannot claim to be holistic when less than half of the policymakers are women. The presence of women in policy-making processes highlights the needs of women. For instance, making a policy for 50 percent representation of women increases the lobbying power of women in engendering policies. Additionally, women are often excluded when planning for cities and towns.



Gender awareness and gender budgeting during urban planning ensures that women's needs are addressed. For instance, knowing that overcrowding in transport systems makes it difficult for women to travel with their children and is a safety risk enables planning to allow accessible and safe transport for women. Urban policies should therefore address issues with the understanding that men and women have different needs, challenges, and access to resources.

The low representation of women as policymakers and professionals is because of stereotypical notions of traditional roles of women and often contributes to gender-blind governance. It is crucial to understand the importance of women in urban development and the critical role of gender mainstreaming in budgeting, planning and policy to cater for the diversity of women in urban environments. A holistic approach to urban governance is not holistic unless it addresses gender inclusion in policymaking, women's representation, and urban planning.



*Gakenia Muraguri,
Research and Advocacy Officer, WIRE
Women In Real Estate (WIRE) is the industry's premier
networking organization in Kenya dedicated to
advancing the achievements of women in real estate.*

Collapsing Buildings: A Holistic Approach

by Phoebe Mumbi Theuri



On the 14th of April 2022, the AAK Quantity Surveyors Chapter organized a Continuous Professional Development (CPD) event whose theme was **“Collapsing Buildings: A Holistic Approach”**. With the recent “outbreak” of collapsing buildings in the country, it is about time for all the built environment professionals and stakeholders to have a candid conversation about it. Several incidences of the collapse of buildings have been witnessed in the country, most recently, the building in Kinoo that collapsed in March and unfortunately, another one in Huruma. The common cause, among others, was the failure of the ground floor columns. Immediately after such news breaks, a finger-pointing game begins. It is easier to do so. But who exactly is to blame?

Bleak Statistics

Engineer Shammah Kiteme, the Honorary Secretary of the Institution of Engineers of Kenya (IEK) and the Vice-Chair of the Engineers’ Chapter of the AAK, delved into factors that Engineers consider during the process of structural design for buildings. These factors include; safety, functionality, sustainability, and economy. When it comes to safety, Eng. Kiteme went on to add that as construction evolved, and more high-rise buildings were constructed, the need for suitable steel emerged, to introduce an element of ductility, that allows evacuation even in the event of a fire. If corners are cut when it comes to steel, certainly, the foundation columns will not hold. The National Building Inspectorate has audited 14,895 buildings, and out of these, only 14.7% are safe, 8% fair and 72.4% unsafe.

Architect George Arabbu, Chairperson of the AAK Architect’s Chapter spoke about the Sick Building Syndrome that is prevalent in the country. This syndrome is the state in which buildings are, requiring only a beyond-the-usual factor, like an earthquake or very strong wind, to come down. He went on to share statistics that only 20% of the buildings constructed in the country are handled by professionals!

Further, he opined that the causes of collapsing buildings are: poor workmanship, use of substandard materials, poor structural design, non-compliance with statutory and safety requirements, inadequate maintenance, and many more, which are all human factors.



The National Building Inspectorate has audited 14,895 buildings, and out of these, only 14.7% are safe, 8% fair and 72.4% unsafe.

Possible Solutions

It was proposed that building approvals and construction requirements be digitized to enable easier monitoring of construction, law enforcement in development and building control, linking the National and County data to lockout non-professionals, eliminating corruption through “no cash” policies, and having licensed professionals in County offices, among others.

Where then does the National Construction Authority (NCA) come in? In a nutshell, the NCA’s role is to oversee activities within the Construction Industry. NCA does this through Research and Advisory, Training and Capacity building (Contractors and Skilled labour), and also through their Regulatory Role.

The seminar participants were taken through the amendment to NCA Act 2011, under which the the authority seeks to penalize willful offences under the Act. Further, one of the greatest challenges being faced by the NCA in accomplishing its goals is that of developers using consultants’ details for registration then disengaging them later on. This, it was proposed can be countered by sustaining collaboration with boards of Construction professionals such as- BORAQS (Board of Registration for Architects and Quantity Surveyors) and EBK (Engineers Board of Kenya), for proper tracking of consultants in various projects.



“ ***The Construction Industry is made up of complex components, like a ‘machine’ made up of different parts.*** ”

Remedies for post-collapse damages

What remedies are available in case of collapse? An Insurance expert highlighted the types of insurance policies available to cushion the losses that might result from the collapse of a building. These include Professional Indemnity cover and Contractor’s All Risk Policies, among others.

The Construction Industry is made up of complex components, like a ‘machine’ made up of different parts. If one area fails, there is bound to be a failure in the final product as well. If we were to begin a witch hunt, we would end up where we began. However, this is a point to scrutinize ourselves as professionals and developers, and from there, resolve to work well together to deliver safe, functional, sustainable, and beautiful structures for our fellow Kenyans. What is more, better governance and management of these processes would substantially minimize these unfortunate incidences. The buck stops with all of us!.

Phoebe Mumbi Theuri is a Quantity Surveying student, JKUAT. She was a rapporteur at the QS Chapter CPD event.

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4794	KARIUKI MARK ANTHONY MACHARIA
4841	ODHIAMBO VINCENT
5111	HENRY CHEGE NJAMI
5150	PATRICK MUGENDI MUGO
5266	HILARY CHEBORE NGETICH
5311	NGUGI NJENGA PETER
5378	JULIUS MWALE

GRADUATE MEMBERS

5670	SHEILA CHEPNG'ENO
5665	JASPER OKOTH
5650	AMINA FARAJ
5634	WACERA MURAGE
5615	SYLVIA KASAON
5613	IAN WAMBUGU
5608	DAVID KIBERA
5602	MAANSI SIMZIA
5577	DERRICK OKEYA
5556	KELVIN JUMA
5555	ZAINAB JHUTHI
5554	VINCENT MOKI MULATYA
5553	IAN OMONDI
5552	KENNETH KINYUA KARIUNGA
5550	MARTIN RUGERA
5549	ARNOLD SARUNI
5547	JAMES OKERO
5546	FRED KARANI
5545	ROBERT GOR

Membership No.	Name
5544	GREKK OJIJO
5543	ANTONY MUIRURI
5541	VALERIO MUSIITWA
5540	OMAR KASSIM
5539	CHRISTINE WAITHERA
5538	BRENT KOKONYA
5535	PETER MBAE NJOROGE
3476	SAMMY KIOKO
3510	KING'E VICTOR
5528	SITNA CHANZU
5527	HENRY KIBATHI
5526	SIMON MUNYI
5525	JOEL MUMO
5524	JULIUS KARUGA
5523	DAVID MELI
5522	VELMA KISIA
5521	EMMANUEL WEKOBO
5520	EDWIN LUTTA
5519	SHEILA CHEROTICH MUTAI
5518	JOSEPHINE NGATIA
5517	REAGAN OCHIENG
5512	ERIC ESESE
5511	JOY GICHURU
5510	JOAN GACHARA
5509	LEON MBOGORI
5492	JUSTUS GICHUHI
5491	EDWIN CHUMBA
5488	MARTIN MUYONGA NANDOYA
5484	DORCAS NJOROGE
5483	DOMINIC MELLI KIPKIRUI
5481	WANGA WANGA
5480	GEORGE MUTUKU
5479	WILLIAM MAHINDA KIHIA

Members in Good Standing

ARCHITECTS CHAPTER

Membership No.	Name
5478	DENNIS CHEGE
5477	JAMES GITAU
5476	ABDULRAHIM ALMAAWIY
5475	OLYVIA MWINZI
5474	STEPHEN MUKOLWE
5473	GRACE NADUPOY SAMPAO
5472	ERIC MWITI
5471	JOAN KAMAU
5470	BRETTE PATROBA OPERE
5464	MILLICENT NGIGI
5463	VICTOR GITHUNGO
5461	WILLIAMSON GITHIEYA
5458	ODORO KEVIN
5457	JOAN CHERUIYOT
5454	FIDEL HOSEAH ODAK
5451	NELSON NGUGI
5449	ISAAC HIUHU
3461	RONOH CLAIRE
3485	MBAISI EMMA
5105	VINCENT KIPCHIRCHIR CHEBOROR
5110	ALEX KIPKORIR GICHURU
5120	DIANA KACOONI AMANYA
5125	ROY GITHAIGA MAINA
5448	KHALILA ALI
5446	SHARON AWUOR ABUNGU
5447	JULIET SABAYINDA MUWANGUZI
5445	IVY NUNGARI
5444	TEDDY NZOMO
5443	CALEB ONGERI MAKORI
5438	LYNDA WAWERU
5437	TIMOTHY WAMBUA
5436	NASERIAN SARUNI
5429	PATRICK KIBOI

Membership No.	Name
5427	KEMUNTO BARAKE
5423	KEVIN MUNALA
5421	GIDEON CHEGE
5417	KEVIN SAMOEI
5413	JAMES KAGIRI
5410	KENNEDY MUTISO
5391	MUGURE NJENGE
4322	MEREMIYA HUSSEIN
3329	MWAURA MORIS
3330	SEGECHA BERNARD
3347	STEPHEN JOSEPH
3376	WANJALA REINIER KHAMALA
3377	KING`ORI ROSE
3378	CHAVULIMU ERICK
3384	KARIUKI DUNCAN
3453	TAHER HANI
3456	NZUKI SOLOMON
3460	NDUHIU EMMA
3496	IGNATIUS MWANGI
3507	WAWERU GABRIEL
3756	MWANGI JOSEPHINE
3951	GEORGE K. IRUNGU
3952	NJENGA M. MARI
3970	BRIAN G. IRERI
4007	ETTA MADETE
4104	JOSEPH WANZATO
4109	GIKURU IVAN MACHANULE
4136	ROSE DAMA MSANZU
4138	MATHIAS NGEA KILI
4141	SAMUEL OKWEMBA
4238	THOMAS NDABA NJENGA
4281	ELTON KIBET BIRIR
4283	LORRAINE NANDAKO SIMIYU

Members in Good Standing

ARCHITECTS CHAPTER

Membership No.	Name
4299	JONATHAN MUTUNGA MUNYAO
1531	OWOUR WILSON
1749	THIMANGU ANTHONY
1817	KIARAHU DAVID
1970	WARIITHI PAUL
2143	KAGWI SIMON
2436	AKALI GEORGE
2453	OMARIBA KEFA
2506	MAKHULO SUSAN
2523	OGOT SAMUEL
2549	CHELIMO THOMAS
2584	AKUMA AUGUSTUS
2589	NJOROGE MARANGA
2682	OPIATA CHRISPIN
2692	MATI MOSES
2697	MATHARU AMRITPAL
2717	MEDIRATTA KAVIT
2845	MATHU WAMBAA
2846	GACHUHI EZBON
2856	NDUNGU VIRGINIA
2857	GEHRMANN THOMAS
2866	MWANGI ALLAN
3129	LENJO PHILIP
3139	MUSANGI HENRY
3140	TOO KEFA
3160	KIMURA JOHN
3165	KIMANI GABRIEL
3167	MAKAU MWAKI
3187	ASUZAH DERRICK
3212	IRINA RICHARD
3274	HARIZ KHADIJA
3298	NGATIA EDWARD
3303	MUGAMBI JACKSON

Membership No.	Name
3325	OPIL ANTHONY
3369	VAN DER EERDEN JOHANNES
3486	DE WET JOHANN
3533	KANTARIA RAKHEE
3631	OMBATI ANTONIO
3660	ODONGO WILFRIDA
3663	OBWAR ELVIS
3664	OGUTU JOHNSON
3669	KURIA DUNCAN
3681	LIMO SAMMY
3691	LUKE CARTER
3695	KAARA SAMUEL
3727	FRENDIN MARIA
3824	KILUNGYA TABITHA
3832	LEONARD KOILEGE
3850	JUMAAN SWABRI
3874	KYENZI ANDREW
3894	WILSON WACHIRA
3898	VIRDI GUNDIP
3901	KAMAU JANET
3929	PRIYA CHERICKEL
3977	JOHN O. ADODA
3989	OBADIAH KIMOTHU
4027	EUGENE MBUTHIA
4028	JAMES KAYWA
4034	DAVID CHEMIAT
4044	MICHAEL MBURU
4101	MUCHIRI KIMANI
4113	GITHAIGA GICHORA
4171	NJOGU DANIEL
4188	DANIEL MAKANA
4251	MUTHOKA ANGELINE MWENDE
4258	CONSOLATA MUENI MUTUA

Members in Good Standing

ARCHITECTS CHAPTER

Membership No.	Name
4259	FRANCIS NGOTHO MAINA
4306	JOHANNES JACOBUS MARIA
3998	KILBURN HARRIS
2810	MUTAI NOAH
3610	MUHANJI JAMES
3749	WEYN VALERY
4340	MARGARET AKINYI OLOO
4370	MALECHE DANIEL LUNALO
4449	HATEM ELTAHER
4450	REHAB ELNAGGAR
4467	VELMA MORAA NYANCHOGA
4470	PAUL KARIUKI GATHITU
4473	MATTHEW KILONZI WAMBUA
4474	JOHN DICKSON MWANGI MBATIA
4475	VICTOR NYAKUNDI
4476	MARGARET MACHARIA KEDOGO
4522	CHRISTINE KAWIRA NKURU
4523	BALQISA ALI OMAR
4525	JOY JOAN OUMA
4531	SAMUEL PETER ODHIAMBO
4532	RUTH AGNES OMOLLO
4544	CAROLINE BOSIBORI GESORA
4546	EDGER OCHIENG AYIER
4547	ACHOCHI ERIC NYABUTO
4550	DOLPHINE KERUBO OMBUI
4574	IAN INGUNYI MUTALI
4576	GRACE KAILU MULWA
4581	KENALOIS MURAKARU KINYUA
4582	SHEILA ANYANGO OWUOR
4314	OLIVER STEVEN ODUOR
4315	ERICK MONG'ARE
4317	DOMINIC MBURU KIMANI
4337	HEMPSTONE NYAWANDA OKEYA

Membership No.	Name
4339	EDGAR MUCHAI MUIRURI
4344	EMMANUEL MWANGI MAINA
4345	PETER NDERITU MURUTHI
4346	SAITABAU KIUNGA KUMARY
4347	BRIAN KIPLETING KEMBOI
4358	CYRUS MURAGE MUNYI
4365	PETER MIANO
4368	CHRISPINE MAKANA NYAKUNDI
4377	MICHAEL MURIUKI MATHENGE
4383	ANDREW MUGO WARURUA
4606	RUTH NYAKEBONDO MONYONKO
4610	CHRIS KARANJA MACHARIA
4645	JANET MORAA ONSOMU
4637	PHIDELIS AWOUR OBUYA
3383	JAHANGIR IQBAL CHAUDHARY
4658	KEN M. NJOROGÉ
4700	FRANCIS KYALO MUSYA
4715	EMMANUEL MAWERO RUNYENJE
4722	WALTER MANGUTHA NDUNGU
4725	PAULA CHIBOLE KIGANJO
4726	STEPHEN JOHN BEKHOR
4823	MBUTHIA RITA NUNGARI
4779	YUSSUF HASSAN ABDI
4824	KINGI JOSEPH WAZIRI
4832	KIMWELE VIOLET
4833	OKOTH CHARITY ACHIENG'
4856	BACIA KAMAU KANAIYA
4858	MWANGI PAUL MUNGAI
4869	NYAGACHO ONYIEGO BRIAN
4875	KIGUAI KIHARA PHARIS
4876	NYAMASERO ROBI CAROL
4895	KIAMA HELLEN NYAKAHETI
4901	MWAMBURI LEONARD NGWAI

Members in Good Standing

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Membership No.	Name
4798	KANG'ETHE BRIAN THUNGU
4935	MUTAI GILBERT
4944	LANGAT IAN KIPRONO
4955	MWANGI JOHN SILAS MWAI
4959	MBURU NELSON GATABAKI
4967	AROGO EMMACULATE AKINYI
4976	OGADA ALICE AWUOR
5006	NGUNU CATHERINE WANGECHI
5034	NZAMSA TONNY MALUKI
5045	MOTURI OMOGA AMOS
5070	STEPHANIE MAINA
5069	CALEB KIMUTAI SAWE
5078	KIPTANUI LORRAINE JEBIWOTT
5103	HILARY WATURU
5134	JAMES KAGIRI
5140	ALEX MIRITI MBAE
5144	ERIC MUTUMA KUNGANIA
5147	PAUL APIYO ODIERO
5148	NAWAL ABDALLA MOHAMED
5160	TOM ONGOLO
5170	ADELIN MMBONE
5171	FRANCIS MUSOMBA NZELU
5172	SAMUEL GATONYE MWAURA
5175	CLIFFORD LWAMBE
5178	TRACY MANGARE
5179	CHARLES OTIENO ALOO
5181	DESMOND DAIKI KONDO
5192	STEPHEN K. NJUGUNA
5193	LESTER LUSEKA KANALI
5194	GEORGINA KINUTHIA
5199	MUNTAHA ABUBKAR ZUBEDI
5201	TIMOTHY ODUOR ABONGO
5212	PRISCILLA NAMUKOYA WERE

Membership No.	Name
5213	JOB KOGI KIMANI
5214	MWANGI SAMMY JONNES NDICHU
5216	ZACHARIAH NJUGUNA NDIRANGU
5218	ANTHONY MUREITHI CHEGE
5222	DONALD KIPLANGAT
5230	JOAN NALIANYA
5236	OBED KIMATHI KAMWILU
5238	JOHN KAEKE MUTUKU
5239	ANDANJE OKUTHE KHALFIN
5241	ROBINA NANJALA NDOMBI
5249	TEDDY WAMWANA TIMOTHY
5251	SYLVIA WANGU RUIRII
5254	JESSE OWALA
5255	AUDREY UMARA
5262	EMMANUEL OMUYAKU LITUNYA
5270	WILLIAM OTUKE
5271	JOSEPH KIMWOMI
5278	MARIAM RAFIQ OSMAN
5281	CHERUIYOT KIBET WESLEY
5288	VINCENT KIMANI KURIA
5298	CLARENCE CHEMJOR CHERUIYOT
5304	LEON UJAGO MUSASIA
5305	EDWIN KAMAU
5313	JANET RUTO
5316	ELSHAMMAH MWANGI MAINA
5329	MARTIN NJOROGE WANYOIKE
5331	STELLA MARINDA
5340	BRIAN ADERO ODHIAMBO
5344	MUNEER KHALID ALKIZIM
2030	MICHAEL MAJALE
5375	BRIAN MURITHI KINYUA

Members in Good Standing

ARCHITECTS CHAPTER

Membership No.	Name
TECHNICIAN MEMBERS	
5663	LUKE KIPLAGAT
5662	NEWTON KIRIMI
5647	IVY MUGO
5645	VICTORIA MAINA
5612	DAVID KARIUKI MWANGI
5516	SEAN FRASER
5489	KINYURU MURURGUTI WILFRED
5486	CHARLES MBURU KAMUNGE
5450	HILLARY KEMBOI
5118	KEVIN MACHIRA KIRIGWI
5388	CAROLINE AWINO
5396	VICTORIA ENGEFU KATANA
5390	DANIEL MUTINDA MUSYOKA
5439	JAMES KAMAU MAINA
5431	WYCLIFFE OOGA
5422	MICHAEL MZUGHA
5409	DAMARIS NJAGI
2311	BOLO DENNIS
2729	OGUTU CHARLES
2740	MUNYORI SIMON
2914	CHHANIYARA BHARAT
3403	KADERNANI MOHAMED
3854	SAID FAIZ
4017	JEFF MUNYI
4050	PAUL NYONGESA
4226	PETER MUIRURI
4227	ERIC ABUGA
4228	NELSON WAMAITHA
4461	RASHID TOWET CHEMASWET
4524	ANTONY KARIUKI KARANJA
4660	LUCAS ODHIAMBO ONGAWO

Membership No.	Name
4732	SHETTY PRAMOD SANJEEVA
4724	JERIM ELLY LIYAYI
4816	MAINA SYLVIA JEMIMAH NJERI
4817	KAMAU PETER RUKUNGU
4842	GIDEON VICTOR MUSAU
4839	DANIEL MAJIWA
4866	KAMANYI CLEMENT MWANGI
4872	AUKA VITALIS AWUOR
4898	MURAGE DENNIS MUGAMBI
5084	GEOFFREY MUGI MAINA
5167	PATRICK MURIITHI MACHARIA
5240	GERALD WAMBIU
5260	ARTHUR KAMANJA GIKANDI
5315	LARRY ODILA ONYANGO
5332	ANTONY NGANGA MUTHONI
5338	KENNEDY KHAOYA RAPANDO
5348	ONYANGO ARNOLD BONYO
5361	DANIEL BUGO MUKARE
5370	DOMINIC MWANZIA MUTETI

STUDENT MEMBERS

5668	EUPHEMIA GICHABA
5666	DUNCAN ONDIEKI
5664	MERCY CHEPTOO
5656	LEWIS MAINA
5654	HUMPHREY KINYUA
5652	PHILIP ANYUMBA
5651	TITUS SALONIK
5649	ANTONY CHEGE
5648	PATRICK KAMUNYA NGOTHO
5646	WINSTON WASWA
5639	VICTORIA NYANGENA
5642	MUNENE NJUE BABU

Members in Good Standing

ARCHITECTS CHAPTER

Membership No.	Name
5637	FELIX ODIWUOR
5627	MARIA GICHEHA
5626	STEPHEN KYALO
5625	GEORGE ONYANGO APIYO
5624	MARGARET THUKU
5617	RACHAEL MUIGAI
5616	VINCENT MWANGI
5614	BRIAN KANGACHA MWANGI
4761	CALEB MWAMBU MUTUNGA
5605	LINET MUTHEU
5604	CYNTHIA WAHITO
5603	JEPKORIR KIPKEU
5601	ZAINAB KASSIM
5600	FAITH RUTO
5599	STANSLAUS MUSAU MUTHOKA
5598	TEDDY MBINGO
5594	OMAR LAVING
5593	DERRICK LIVINGSTONE MWANGU
5584	VICTOR CHEPSENGON
5573	CHERUIYOT LEON
5572	JANEROSE KOGI
5571	HUMPHREY OMUKAGA
5566	ESTHLYNN OKHABI
5551	CLARA EDWARD
5548	OGUGU OSITU EMMANUEL
5514	FRANCISCA NAMANI OUMA
5508	MARTIN CHAHIRA
5505	JULIAN NDILE
5504	YVONNE MWANZIA
5493	PHILLIP M. KAIRU
5490	PETER MUTHUSI
5487	RITA MUKENDI
5482	YASSIN MUNYANYA

Membership No.	Name
5468	JASAN KARANJA
5467	EMMANUEL AFUONYA
5466	JOHN MAULA
5453	TIMOTHY MWENDWA WAMBUA
5452	GREGORY NGETICH
5106	KELVIN GICHEHA GACHWE
5115	JIMMY KIARIE MBURU
5116	GRACE KIMOTHO
5123	SYLVIA AKHATENJE OLUNGA
5126	SHARON CHELANGAT KORIR
5132	PAUL MBIU MUNGAI
5381	ISAAC OMUSE ILIWA
5384	LAWRENCE MURIITHI
5385	TIMOTHY NKONGE
5337	PETER MWAURA
5440	STEPHANIE NYAKIO
5430	SAMUEL JOHANNES
5412	PETER ONYANGO OSORE
5410	KENNEDY MUTISO
5408	JUSTIN NYANDEJE
5393	SHARON KALUM
5394	GEORGE SANGA MWANGOLO
5395	STEPHANIE BOSIBORI ONYAMBU
3181	MUTUNGA DIANA
3189	MBUTHIA PURITY
3209	MUNDIA JEFF
3236	KARIUKI CAROLINE
3328	ONYANGO GEORGE
3339	TSEGGAI STEFANIE
3340	LAERE NICOLAS
3341	CARLIJN KINGMA
3342	GRANN DAVID
3366	NGARI MOSES

Members in Good Standing

ARCHITECTS CHAPTER

Membership No.	Name
3374	GACHANJA DAVID
3375	MALOBA EMMANUEL
3385	OTIENO PETER
3457	MUSILI EVANS
3466	KIMANI CYNTHIA
3467	KOBIA KENNETH
3468	TANUI LENNY
3469	OWINO GRACE
3470	ONGWAE DENNIS
3471	SEDA EDWIN
3472	MWANGI MERCY
3474	MUTONGA PENINAH
3475	MATHENGE MICHAEL
3477	MUNENE BRIAN
3478	MWANIKI ELSA
3491	MENZA AMANI
3493	MACHARIA GEOFFREY
3504	MUKANA DANIEL
3512	SIMON EMMANUEL
3513	KINYANJUI SAMUEL
3536	MUNENE JERRY
3537	ALI MAHMOUD
3540	MAINA MARGRATE
3625	MUNDERU STEPHEN
3673	DUDI BRIAN
3753	SITATI ELIZABETH
3754	TONUI EDITH
3777	MUTUA CORRETAH
3778	GITUNDU PETER
3825	FRIEDERICHES ESTHER
3840	OTIENO BELINDA
3841	OPIYO BARRY
3908	GIDEON S. KIPNGENO

Membership No.	Name
3924	JOSEPH K. GITAU
3948	ANTONY M. MANYARA
3949	ZACHARY T. GACHINGI
3953	SUMAIYA M. BANAFI
3954	TEDDY K. MAIYO
3963	NJERI MWANGI
3965	MARY C. A GWARA
3966	ISAAC K. MUTHAMBI
3967	LINDA M. MAINA
3968	WENDY MUDOGO
4018	RACHAEL THURANIRA
4019	LYNN GAKII GITONGA
4030	SOLOMON NJERU NDIRANGU
4036	GEORGE NGUNJIRI
4037	RANRICK BRAGANZA
4038	KENNETH MWORIA
4052	ANNE MUSAU
4093	KELVIN LAICHENA
4094	ERIC NYANJOM
4095	ANNABEL MUTETI
4098	MULI DOUGLAS
4103	BEATRICE OGOLLA
4105	JOSEPHINE MURIUKI
4106	BRIAN GITONGA
4121	FRED KAMAU
4142	PAUL WENDO MASILA
4176	KHAN HEENABEGUM
4194	CLINTON OSORO
4212	BRIAN NYABUTI
4229	ANNE MWARIRI
4236	MUGUMA MARY
4240	FRANKLIN MWITI MUGAMBI
4241	BRIAN KIPTOO BOIT

Members in Good Standing

ARCHITECTS CHAPTER

Membership No.	Name
4242	PETER OKINYI ODHIAMBO
4243	ERASTUS OMBWORI AUNGA
4244	FATMA ALI MASOUD SHAQSY
4267	LYNETTE NYOKABI KAMENWA
4268	VICTORIA NYAWIRA MURUNGI
4269	NASHA WAMBUI GITAU
4270	JOHN ONDANJE AURA
4271	BENSON MWAURA KINYANJUI
4276	WILSON KARIUKI KIHENJO
4277	JOHNSON MWANGI MAINA
4280	LYNE AKISA ODERA
4292	ASHLEY MUTHONI MWANGI
4294	SOFIA CHAO ERCOLANO
4295	NAJEEBA AZIZAHMED RAMZAN
4296	MALIHA MOHAMED YUSUF ABDUL
4298	PATRICK KAMAU WANGUI
4300	PATIENCE WAKESHO MWANDAIRO
4301	MICHIRA MOCHAMA JIMFORD
2594	OKITE ANTONIO
2728	KIBUCHI JACKSTON
2767	KIPROTICH CHARLES
2775	SEFHEDI GAOTINGWE
2776	WALEMBA ELDRIDGE
2783	MUTHOGA CHARLES
2911	KIMANI KENNEDY
3115	NJUGUNA MICHAEL
3116	MICHAEL KAHIGA
3171	OBALA CHRISTINE
3172	NYONGESA ERIC
4398	SAMWEL MBANI
4401	NEHEMIAH SANG KOECH
4451	MARTIN MATIVO
4452	SHARON NYAMBURA MBARI

Membership No.	Name
4477	VIVA KANANA MUGAMBI
4520	MICHAEL JONATHAN MUNGAI
4521	SYLVIA WAMUCII MAINA
4530	SAMUEL THARAO NGATHO
4534	JILL ADHIAMBO OWOKO
4535	VERONICA ACHIENG ONYANGO
4538	JONATHAN MURIUKI NJERUH
4560	KEN ALBERT KURIYAMA ORWA
4573	PRINCE MWANDIKI GITONGA
4580	VERONA NANCY WAMBUI KIBE
4311	JEREMIAH MUTEMBEI NYAGA
4318	ERASTUS NGANGA NDUNGU
4320	KELVIN MWENDA MIRITI
4325	JOHN WACHIRA KABIRU
4338	GABRIEL NJENGA WAWERU
4385	SAMUEL MBOTE GITAU
4634	ZIPPORAH KABEU
4629	ROY RIALEM MNANGÁT
4628	KEVIN OMONDI OTIENO
4626	FELIX KIBWOTT KIMELI
4625	VICKY NJIHIA
4624	CHRISS NDENGA
4622	BERNICE SITAWA WANJALA
4621	CHARITY MUTANU KIOKO
4652	RENSON KIPCHIRCHIR
4653	SHEM ODIWUOR
4655	RITA MUGURE KIMANI
4656	FELIX OCHIENG OKUTO
4657	YVONNE MUTETHIA
4659	FAITH B. NYAKUNDI
4679	SYLVIA NDUTA KINYANJUI
4681	PETRO MUSIRA
4682	FRIDA MUENI MUTHAMA

Members in Good Standing

ARCHITECTS CHAPTER

Membership No.	Name
4683	KEREN RUTH OSAPIR
4721	ESTHER WAIRIMU NJENGA
4815	MWANGI ELIZABETH NDUTA
4825	AMUGUNE STEVE MAHONGA
4781	KABERA BARBARA NJERI
4835	MONGARE KIMBERLY
4836	MASITA MARK OMWANSA
4837	OGACHI OUKE BRIAN
4844	MUGO ELIZABETH NJERI
4855	KIPTOO PATRICK KIPLAGAT
4857	MITAU CAROLINE MBITHE
4868	GICHUKI JESSICAH NYAMBURA
4874	GATHUO MONICAH WAMBUI
4878	MUTHARIMI YVONNE MUKAMI
4880	KODUK JAPHETH WILSON OUMA
4881	KARANJA STANLEY NDIRANGU
4882	MWANGANGI PHOEBE MUJENI
4883	NYAKUNDI BRIAN WICKS
4884	GANIJEE KALIMUDDIN ABBASALI
4885	NYARANGI ONDIEKI SAMWEL
4886	MWANGI TREVOR
4887	ONGERE ONENA ZEDEKIAH
4888	KAMAU NDONGÓ GEOFREY
4889	CHELELE GLORIA
4890	OKAL ANDY
4891	MOLO IAN
4892	CHERUIYOT OSCAR
4897	OMONDI LYNDA AKINYI
4900	OMONDI OGOLLAH DENNIS
4805	NDIRITU GABRIEL NGUGI
4791	WACHIRA KAREN WANGARI
4790	KIVASU THOMAS NZIOKA
4906	WAMBI KEVIN GICHANA

Membership No.	Name
4911	MUTINDA TEVIN
4912	WAFULA PRUDENCE NALIAKA
4917	WAIGWA SHAWN
4918	AGANDA JOAB
4925	RIGII ESTHER WAIHIGA
4926	BEGGI MARTIN JEREMY
4920	NYAGUTHII DAVID MAMBO
4954	OKETCH JOAKIM ODENYO
4922	KONGERE DARRELL OTIENO
4919	MBATAU DENNIS MURIUKI
4921	NGANGA SIMON KIHARA
4962	MARANGA PAUL WAMBUGU
4963	NGOTHO MUCHAMI
4969	MUTHURI MWIKALI TRESSIE
4972	SAMOKA ALLAN
4977	ODEK KEVIN
4978	NGUGI NDUATI JEFF
4979	KOMBO FAITH NYABERI
4988	ANJILA HUMPHREY IPULU
4990	LIVINGSTONE KOOME
4993	NGAU NZIOKA
4774	WELDON KIMUTAI
5002	OKOTH JACOB ODUNGU
5012	NJEHU WOKI MUMBI
5013	NGURE KENNEDY
5035	MAZERA ITHIEL TEMBO
5044	JEROME KARIUKI KIMANI
5047	MARIASTELLA NJOKI KAMUTI
5048	SHEILA MUTHONI WACHIRA
5076	NGARI OSCAR WACHIRA
5082	CLAUDINE NYAWIRA WACHIRA
5086	MATHENGE IAN MAHINDA
5087	BUNDI FIONA MURUGI

Members in Good Standing

ARCHITECTS CHAPTER

Membership No.	Name
5088	OCHAN SUSIE ATIM
5089	MUIGAI GABRIELLA MUKUHI
5090	KANDU MOSES KYEBA
5099	LISA MARIA MUNGA
5101	RITA KAWIRA
5186	CRAWFORD CINDY OUMA
5187	CHRIS LABAN NJORA
5202	NICHOLUS MUCHIRI RUGENDO
5203	JANICE WANJOHI
5204	MARIAM ADAM HAMADI
5205	OGOLLAH DENNIS
5207	KORIR KIPKOECH ADRIAN
5208	EMMANUEL WEKESA
5210	TERESIA WARUGURU MUTUA
5217	ESTHER WAIRIMU
5233	ABDALLAH ALI AHMED
5248	JASON ELIJAH KABUTU
5259	SOLOMON ATARO
5265	SUGE KIMUTAI JOSHUA
5269	RAHMA ADAM MWINYI
5272	JUDITH OTIP
5282	NOURA AHMED SADIK
5310	MARK GATIMU KINYANJUI
5336	JOSEPH KAMAU WANYOIKE
5342	ELSIE CHEPCHIRCHIR BIRECH
5349	LAMECK OWESI
5350	JAMILA CHELAGAT
5356	JOHN MWALIMU KAVUSWA
5362	MICHAEL MOLA KUSINYO
5369	HILLARY OWINO
5371	JAPHETH AKUMA ONDICHO
5372	PAUL OMONDI ODIANYA
5376	ANNSHEILA KARIMI

QUANTITY SURVEYORS CHAPTER

Membership No.	Name
CORPORATE MEMBERS	
5586	MACHEL MANYEGA
5568	ANDREW NGURE
3548	NDERI KEVIN
5424	VINCENT BULIMO
5416	ADANNUH GOLO IBRAHIM
5401	RITA KATHINI DOMINIC
4086	LUCY NZIOKI
4087	HELLEN KIMANI
20	FENWICK HAROLD
481	NGUGI BERNARD
485	MALACHI ABSALOM OORO
550	OTUKE JOSEPH
604	JULIUS M. O OLUOCH
610	KIHARA CHRISTOPHER
626	HAJEE BASHIR
676	ODUNDO WALTER
677	MUAMBI HARRISON
700	KAMAU MOSES
721	MWAURA CHARLES
730	JABBAL SUTINDER
763	NGUGI PAUL
764	OGAMA MATHIAS
768	MUGAKI PETER
770	MAUNGU NEWTON
771	KOIGI GEOFFREY
782	OBAE SAMSON
789	KARIGUH ROBINSON
802	BUNEI ROBERT
836	MUTISYA PATRICK
854	OKEROSI JOHN
859	MANDHRY ALI

Members in Good Standing

QUANTITY SURVEYORS CHAPTER

Membership No.	Name
866	MUSYIMI JOHN
1017	NDERITU CHRISTOPHER
1024	NGUYO DAVID
1092	WANYAGI JULIUS
1099	NDUNGU PETER
1100	KITHINJI BOORE
1125	MWANGI CHARLES
1157	ODHIAMBO EMMANUEL
1164	MOMANYI INNOCENT
1203	KAMICHA ALFRED
1206	KISIA PATRICK
1245	MATHENGE JOHN
1301	MUNALA BENSON
1345	WAHOME GICHU
1367	HUSEIN HUSEIN WERE
1419	MIRITI PETER
2396	CHEKATA GREGORY
2742	ODHIAMBO MARY THERESA
3702	MUTUGI ADSON
3710	ALI ALISADAT IBRAHIM
1457	ADWERA LUCAS
1479	NGARUIYA WILFRED
1494	WOSE LUSWETI
1497	KUSIENYA CASSIUS
1525	MBUGUA LAWRENCE
1532	ODONGO VICTOR
1551	MUCHINA JOHN
1641	RUKWARO STEVE
1655	KUNGU JOSEPH
1656	MUCHUNGU PHILIP
1671	TOROITICH BRIAN
1687	GITONGA MS. LILIAN
1725	OMUFIRA ANNE

Membership No.	Name
1732	MUCHUNGU ANNA
1741	GICHUIRI JANE
1865	SAVALA DENIS
1872	MANYUIRA TIMOTHY
1874	MASESE GEORGE
1891	HIRANI NEELESH
2026	AMBATSA PAUL
2195	GITONGA AARON
2230	ASURA ELI
2330	KASILI L.M.
2444	OTIENO SALLY OLIVIA
2573	MWANGI JOB
2643	ALI MOHAMUD
2704	KOBIA MISHECK MICHUBU
2724	KAHURIA THOMAS
3062	MWANGI MURAGE
3142	GREGORY OMITTO MUNYAKHO
3215	SHUNET MESHACK
3350	MULONDO RACHEL
3503	KIMEMIA SIMON
3860	MATHENGE ROBERT
4464	ALLAN AGESA ABWUNZA
4465	COSMAS ONYANGO ODHIAMBO
4326	WAGUTHII JEDIDA MUCHOKI
4336	SIMON SAILI MALONZA
4684	MUSYOKA DIANA MUMBUA
4786	KARANJA LEAH WAMBUI
4947	BETHUEL FAYISA BALATE
4984	CHERUIYOT GEOFFRY KIMUTAI
4995	OLUOCH SYLVESTER
5038	NICODEMUS CHEGE MAINA
5152	ISABELLA NJERI WACHIRA - TOWEY

Members in Good Standing

QUANTITY SURVEYORS CHAPTER

Membership No.	Name
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LICENTATE MEMBERS

2725	MASAM BERNARD
3633	KANALO JAMES

GRADUATE MEMBERS

5659	SHELLAH KIBET
5658	SHARON CHEPKOECH
5618	GRACE GAKENIA
5564	LILIAN KIAMA
5542	BRUNO OPONDO
5503	DOREEN CHELANG'AT
5501	FENNER ODHIAMBO
5500	BRIAN OJONGO
5434	WYCLISE OWINO
5428	LYDIAH KANGETHE
4219	NZANGI JAMES MUIMI
1462	MATHARU NARINDER
1535	NJOROGE LOUIS
1786	HERD SIMON
3581	KAMAU SAMUEL
3582	MUTHOMI KENNEDY
3590	MWISA VICTOR
3717	JUMA CHARITY
3803	WANJAMA MOSES
M001	TEST 3 MEMBER
4421	FRANK ANTONY MAINA MWANGI
4565	CHRISTIAN OCHOME OWOKO
4355	ALEX MSAKU MUEMA
4356	ROSE NJERI MWANGI
4913	KIPKOSGEI NICHOLAS
5184	MAURICE MAKORI MAGEMBE
5355	MORRIS MWITI

Membership No.	Name
----------------	------

TECHNICIAN MEMBERS

5661	KELVIN MUTHOMI
5660	EDWIN MWAURA
3910	WACHIRA KENNEDY K.
4115	OKOTH KELVIN
4507	DENNIS KIOKO KIVINDU

STUDENT MEMBERS

5657	EDDY MADEDE
5655	MONICA KANG'ETHE
5592	PAUL ADESA
5575	WAIRIMU GATHIMBA
5515	TERESIA MUTURI
5502	EMMA CHEBET
5499	ALLAN MWANGI
5498	MILLY KWAMBOKA
4222	LEWIS NDERITU
5441	BRIANYONAH OWIYO
5433	FELIX KIPKORIR
5405	RICHARD HUNGI
5407	JOY KIAMBO
5406	BENSON MUTUNGA
5404	JACOB MUTIGA MUTEA
5403	DENZEL ONYANGO
5402	VICTOR OKOTH ODHIAMBO
5400	MIRIAM KEMUNTO NYAKUNDI
5399	SILVIA OMBUI
4021	EZEKIEL MUKUNDI
4058	JOSEPH WANJIKU
4059	IAN NGARI
4066	KATHAMBI KIRIKA
4068	EDWIN MINDO

Members in Good Standing

QUANTITY SURVEYORS CHAPTER

Membership No.	Name
4096	IRENE NJOROGE
4145	MARANGU WINJOY
4152	TANGARA FAITH
4158	SIELE ALBIN
4159	KILEL MICHELLE
4161	NJERI ERIC
4162	MAGOMA FAITH
4214	MICHELLE MOUNDE
4215	ALBERT ANYONA
2603	NGURU ERIC
2604	OTIENO EDDIESON
2606	OMOLO PAUL
2607	ODHIAMBO KENNEDY
2608	KOTUT ROSE
2609	NYANG'ACHA FREDRICK
2633	MUTHONI WILSON
2702	KIOGORA NICHOLAS
2705	KIAGE ISAAC
2708	TOLA SAMMY
2711	GATHIGIRA MURIITHI
2910	TANUI GILBERT
3216	NJUMWA ROSE
3217	JUMA GIVONS
3367	OUMA CONCEPTER
3541	OUMA CANCIUS
3542	MWAU LILIAN
3544	KIBURI DANIEL
3545	SHAMIR SHABAN
3546	GATHONI ANTHONY
3547	MUIA WINFRED
3549	KIRIMI CECILIA
3550	RONO VICTOR
3551	KEITANY EDWIN

Membership No.	Name
3552	AIYABEI ABRAHIM
3553	KIPTUM ROY
3554	ASETI MERCYLINE
3555	MUSILA PETER
3556	MORANG'A LISTONE
3557	MUNYUA EDWIN
3558	MAINA DAVID
3568	GACHUI JOSEPH
3569	OKINYI JOB
3570	GITAU ROBERT
3571	WAMBUGU ABISHAG
3572	KAVANDA SILAS
3573	KIHUGA RACHAEL
3574	AGOLA DANIEL
3575	KARIUKI ANDERSON
3576	MUSUNDI BRIAN
3577	KAIRA BERNARD
3578	KINOTI PAUL
3579	KIMANI TIMOTHY
3580	KAUSI RONALD
3583	ARERI MACHUKA
3584	GITHAIGA JAMES
3585	MACHUNGO DENNIS
3586	MARAKA PHILIP
3587	MBURUGU MERCY
3589	MUNYAO SERAH
3591	MUTISYA ERNEST
3592	NGANGA STEVEN
3593	NGUNGI KELVIN
3594	NYAGA MARTIN
3595	NZIOKA BENEDICT
3596	OIRE BENSON
3597	ONDIEK ERICK

Members in Good Standing

QUANTITY SURVEYORS CHAPTER

Membership No.	Name
3598	OTIENO HELLEN
3599	OYARO LYNDA
3600	CHUCHU ISMAEL
3602	SURUM SHADRACK
3603	TUITOEK EDWARD
3604	WERE PHILIP
3626	NJUKI MARY
3627	MENZA HARRISON
3634	AYOO BRIAN
3635	BOR ELPHAS
3700	LAGAT MILICENT
3701	NYUTU PETER
3703	BOSIBORI DOLPHIN
3704	WACHIRA ANN
3705	MBAABU GERALD
3706	GUANTAI MARTIN
3707	MAKUNO NELLY
3711	KOGEI BRIAN
3712	MURIRANJA JACINTA
3713	OGWORA KEVIN
3715	MUITA ALFRED
3716	GICHUKE CLAIRE
3718	NANDASABA BERNARD
3735	BOKESIA ALBERT
3737	MUGO JAVIS
3782	KANYEGENYA EVELYN
3790	OLUOCH ISAAC
3791	KAGAI HELLEN NJERI
3792	NJERU JACKLINE
3793	NDUNG`U JOSEPH
3794	KIVATA MARY
3795	WANGAI MARTIN
3796	MUHIU MICHAEL

Membership No.	Name
3797	KIRUBI CHRIS
3799	JOHN JOSEPH
3800	NYAOKE RUTH
3801	KIBUCHI GEOFFREY
3805	KANDA LEAH
3806	MULAKU CYNTHIA
3845	MASESE RUTH
3846	ANINDO REHEMA
3848	MUNYAO STEVE
3880	KOECH MOSES
3881	MAGOMA LINDA
3882	MBOYA KANYAA
3900	ODHIAMBO GODFREY
4414	IRENE JEBICHII KONGA
4415	SAMSON MICUBU KAMAIRO
4416	SHARON MUKIRI
4417	CYNTHIA KERUBO MOGIRE
4418	ABDULWAHAB ISMAIL ADAN
4419	CHARITY MWENDE MANTHI
4420	ESTHER NYAGUTHII NDERITU
4422	VALENTINE NYANCHAMA
4423	CHEPSEKON BOAZ KOMEN
4424	BRIAN OMONDI AJWANG'
4402	KITHUSI DANSON KULA
4403	TIMOTHY NJANJA CHOMBA
4425	LAWRENCE EBU
4426	FARAHIA MOHAMED HASSAN
4427	BENSON KIBE KIORIA
4428	ERIC MASOA MUTUNE
4429	KENNETH CHERUIYOT BETT
4431	DANIEL KINYUA WACHIRA
4432	ANGELA ADHIAMBO ALILA
4433	JUSPER OPIYO OYOO

Members in Good Standing

QUANTITY SURVEYORS CHAPTER

Membership No.	Name
4434	OWILLY JAMES OSINDI
4435	DENIS JOSEPH KARABA NDIRANGU
4436	LINDA KAVAYA ODARI
4437	BACKSTON OCHIENG WEPUKHULU
4438	MARY ANNE COTTI
4439	LINDA DIANA NYAWIRA
4440	AUGUSTINE NJAU NJOROGE
4441	BRENDA JEPKOECH CHEPKONGA
4442	QUINTER WANGUI MWORIA
4443	MARY SYOMBUA MUSYOKA
4444	GEORGINA CHEROBON ROTICH
4445	KELVIN LEKAKENY MOLONKO
4446	GLORIA SARAH WANJIKU MURIITHI
4447	GRACE WANJA KIMANI
4448	VIVIANNE JEPTOO LAMAON
4454	EMMANUEL KIPROP KIBET
4509	JANE WANGARI WAINAINA
4510	PURITY WAIRIMU NJAGI
4511	POULET WARUGURU MAINA
4512	KELVIN MURIUKI MURIITHI
4513	GRACE EKIRAPA MAGDALENE
4514	ISAIAH ODHIAMBO GOGA
4508	COSMAS HARE KARISA
4559	STELLACASTOR WAMBUI MAKAU
4563	JOSEPH MBUTHIA WAMBUI
4564	GLORIA IMALI ANGUTSA
4566	PETER KAMAU WAMBUI
4567	ORIEDO ERIC MBEDA
4568	ROSEMARY MUKAMI MACHARIA
4569	DIANA LYNN ATIENO OKWETO
4570	ZEPHANIAH NYANDIKA ANYIENI
4597	ENOCK KIPRUTOH RONOH
4331	ALFRED MOTENDE ORIRI

Membership No.	Name
4332	RUTH NYAMBURA WARUI
4333	ALI NGUGI BAKARI
4334	ERNEST ONYANCHA NYAKUNDI
4354	IAN NZAMBA MUTEMI
4357	RUTH WACHUKA KIHORO
4613	BERNARD IRUNGU MWANGI
4614	KEVIN KIBET LIMO
4615	SHARON KWAMBOKA MAKORI
4630	CATHERINE WANJIKU MUCHIRI
4631	RHEMA NYABOKE NJUGUNA
4632	ERICK CHIRA DUMUSI
4642	BRIAN NGARI NJERI
4643	MARTHA WANGAMWA GITHINJI
4644	SERAH MUTHILI KALUNDU
4647	PAULINE MIYAWA OUMA
4648	EDITH KANANA KIBUKU
4649	MERCY MUMBE MUTIE
4650	GILBERT KIBET KORIR
4651	MARTHA NJOKI MBURU
4662	ARNOLD KATENYA LABAN
4846	FAITH BENTER AWUOR
4923	PETER GEORGE MWINZI
4992	KIPCHUMBA IAN
5166	THOMAS NGUGI NJUGUNA
5189	DAN KIBET LANGAT
5308	OMONDI HILARY OSORO
5321	FLORENCE KUSA KOMBA
5346	ANNBEL WANGECI KIGOTHO
5353	ADAM YUSUF ALI
5354	PENINAH WAMBUI
5359	NOOR OSMAN ADAN
5360	FAITH GICHUHI NJOKI
5363	ELVIS KIZITO ARODI

Members in Good Standing

QUANTITY SURVEYORS CHAPTER

Membership No.	Name
5364	MESHACK OCHIENG OMONDI
5365	BILHA LELO KYALO
5366	JAMES MAINGI WANJAU
5367	OLIVE HOPE WANGARI MAINA
5373	MERCY MWENDE JOHN

ENGINEERS CHAPTER

Membership No.	Name
CORPORATE MEMBERS	
5667	GEORGE OMONDI ABUTO
5559	ROBERT OWINO
5563	BENARD MAKAA
5562	KENNEDY OTIENO
5560	ANTHONY SIELE
5557	EDWARD KARANI
5414	JOHN KARURI
2054	NJOROGE GEORGE MUIBORO
1305	SHANKLA ARJAN
1455	VARSANI RATNA
2047	GUMBE LAWRENCE
2100	MSAFIRI SEBORU
2150	LOVEDAY JUDE
2151	MAC`ODAWA GEORGE
2162	MUTEA EUSTACE
2227	NJENGA NATHAN
2313	KHAN MOHAMMED
2732	KIMANI FRANCIS
2733	MWANIKI ANDREW
2859	NYAWADE BENJAMIN
2890	MUMENYA SIPHILA
3101	MAINA EPHRAHIM
3237	NDERITU MICHAEL
3562	OJENDO DOMINIC
3612	OTWANI JUSTUS
4286	GIFT KINUTHIA KARANJA
4231	THOMAS KIMANI
3859	MUCHEMI KARIUKI
4408	MERCY MUGURE
4601	MOMANYI GODFREY MARAMBE
4751	WABWIRE AMOS KUNDU

Members in Good Standing

ENGINEERS CHAPTER

Membership No.	Name
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GRADUATE MEMBERS

5638	NANCY MUGURE WAWERU
5636	MARTIN ALUGA
5635	GIDEON NYANGALI
5561	MICHAEL LIBEHE KHATETE
5558	CECILIA WANGECHI MWANGI
3864	MUCHIGA ROSEBRENDA
4254	JOYCE MUGURU WAIRIMU
4687	NASHON ONYANGO TAMBO
4693	JACTON MWEMBE ACHIENG
5323	DENIS MWANGI KABUGA

TECHNICIAN MEMBERS

5628	NICHOLAS OTIENO OCHIENG
5005	AMBWAYA SAMO
5164	SALIM ALI KIZA

STUDENT MEMBERS

5669	IVY GETANDA
3768	MUTEMI ISAAC
5420	JOE KALOKI
5419	GREGORY JACOB
5415	PAUL MUHINDI
3118	KITULA JAMES
3361	ONYANGO AUSTINE
3489	ODHIAMBO BOB
3490	MUSONYE SALLY
3563	BOGUNKU BENSON
3654	MAINA GIBSON
3763	SABUNI EDWIN
3764	KAGWI MAURICE
3765	OPUCH WINNIE

Membership No.	Name
----------------	------

3766	TANUI CAROLYNE
3767	THIRIMA JOHN
3770	OSUNDWA CYNTHIA
3771	MWANGI RONALD
3772	ODHIAMBO LINDA
3807	MWITI JOAN
3808	MESO DAVID
3809	AHMED YASIN
3829	NDUNG`U CHRIS
3863	MOGUSU WINNIE
3865	TITIYA NERAISA
3866	MUTINDA JAMLICK
3867	KIMANI CHRISTOPHER
3868	MOGAKA BEN
3869	OTUNGA ROBERT
3870	UHURU ISAAC
3871	ALUOCH THOMAS
3921	DENNIS M. KIAMBA
4209	NEWTON LOYERER
4272	FIDELIS KATHURE RINGERA
4273	TEDDY NDERITU KIRUKI
4287	VIVIAN ACHIENG` OTIENO
4288	MUKAKA DOREEN ALEKANA
4289	ANTONINA MARTHA OKELLO
3362	OGECHI JOY NANCY
3781	ODUOR JUDY A.
4310	VANE NYANCHAMA ONCHAGA
4619	DAVID NJUGUNA GICHOCHO
4769	KIBE ABIGAEL WANJA
5096	LINIET MWENDWA GITONGA
5185	ISABELA OYOO
5289	NIXON OWEGI OWEGI
5297	WATSON WANGAI

Members in Good Standing

ENGINEERS CHAPTER

Membership No.	Name
5302	AARON JERRY
5303	ISAAC NGATIA
5306	MERCY JANE WAIRIMU MUHINDI
5307	CLARA KIREMA GATWIRI
5335	MORODHI RAHMA ABDULBASIT
5339	JAWAD SAID MANDHRY
5358	HASSAN KHAN

LANDSCAPE ARCHITECTS CHAPTER

Membership No.	Name
CORPORATE MEMBERS	
2891	KARANJA DENNIS
2307	TOROITICH CALEB
2816	NJIRAINI ROBERT
2817	MURAGE DEMPSEY
2839	ABUJE SUNDAY
2294	MARWA SAMUEL MUGO
2756	OFAFA AMBROSE
2757	WANZA CAROLYNE
2759	MUGAMBI LORNAH
2765	OJWANG BENARD
2770	ODHIAMBO LORRAINE
2772	OCHANDO S.O
3182	MUTUA SYLVIA
3191	MOCHAMA EMMANUEL
3192	MWAI RUTH
3205	DR. OCHIENG MARTIN
3332	KIMONDO ANTHONY
3421	MATHUKU CATHERINE
4200	ARWARI SAMUEL KERONGO
4206	AGHAK ODHIAMBO
3257	OUMA LOICE
3826	BAARIU PATRICIA
4480	PETER MUTHAMI MWIRANGA
4975	SHIVERE SHITOTE AUGUSTINE

GRADUATE MEMBERS

5643	CLINTON OURU
5619	WILSON KARANJA MWANGI
5576	RAPHAEL WASILWA
5531	VICTOR ISANDA
5530	MARTHA WANGUI

Members in Good Standing

LANDSCAPE ARCHITECTS CHAPTER

Membership No.	Name
5529	SHARON KANDIE
5455	BENSON MUCHERI MUKURU
5114	BRIAN MUTHOMI KINYUA
5426	BENJAMIN CHEMARUM
5425	KINYANJUI MUCHIRI
4309	VALERIE GATWIRI IRUNGU
1948	PATEL B.P.
2498	M'IKIUGU MARTIN
2898	KORIR PATRICK
3174	AHURA BENJAMIN
3337	LEGISHION JACQUELYNE
3740	GITAU DOMINIC
4257	GEORGE NANGABO WANJALA
3359	AYELABOLA VICTOR
4481	JOSEPHAT KIMARI GITHINJI
4491	ALLAN NDUNGU GITHUKU
4494	KEVIN GITANGU MBUTHIA
4502	CECILY WANJIKU MURAGE
4641	NGESA JOAN NANG'AYO
4973	NYADERO FIONA PENINA
4985	KIOKO MULUKI LILIAN
5042	FREDRICK OMONDI OWINO
5098	ALOYSE MAIGO MIKURO
5136	KENNETH NDEGWA NDIRANGU
4770	CALEB N NJOROGE
5275	TERRYCHERYL KAYIEKO
5276	JOAN AUDI
5379	JOSEPH GITIMU KIMANI

STUDENT MEMBERS

5653	DIANA CHEPCHIRCHIR
5630	SHEENAH MBURU
5623	CYNTHIA NJOKI NJOROGE

Membership No.	Name
5622	CYNTHIA CHEPKOECH
5621	PATIENCE SERGON
5620	ANDERSON KENGA
5588	JAMES MUKUYUNI
5585	JANET KEMEI
5583	SHADRACK MUTINDA
5582	AUSTINE ODHIAMBO
5581	BRIDGIT NJOROGE
5580	BRIAN NDIRANGU
5579	JOHN CHEGE KIMOTHO
5578	TOM MAKAMBI
5574	PKENDEN TERENCE
5537	BOB MASIKA
5536	CYNTHIA MURUGI
5534	DENNIS CHIRCHIR
5533	SEREM PAUL
5532	JEFFERSON ONKUNDI OKARI
5460	SHARON MITEI
5459	BETTY MUMBE JACKSON
5456	SHAQUILLE MBURU
5432	STACY AKELLO ANYANGO
4022	FREDRICK MUSUNGU
4032	SHARON CHEPNG'ETICH
4062	DUKE MOMANYI
4063	EMMA WACHIRA
4064	CALEB SAMITA
4069	TICHILIO KEVIN
4070	PHILIP AJAK
4071	AMON KIPSEREM
4072	PETER OMBATI
4073	MATHEW KIPKEMBOI
4075	KENNEDY MWEBIA
4076	TONNY KIMATHI

Members in Good Standing

LANDSCAPE ARCHITECTS CHAPTER

Membership No.	Name
4079	CINDY MUTISO
4080	ANTHONY MORANGA
4082	LOUREEN BUSURU
4083	MESHACK KAMAU
4084	KIPYEGON LAWIN
4097	VALENTINE KOSGEI
4144	KHAMASI ROBERT
4146	HEZRON KIPKORIR
4147	JEREMIAH OYUMA
4148	KELVIN MOMANYI
4149	EUGENE WAMBOGA
4150	ELIUD OMONDI
4151	JOSHUA LUNANI
4153	TALAM SYLVIA
4154	GITHUA SIMON
4155	OGONDA JACKLINE
4156	KANYA GRACE
4157	KIRIMI DOREEN
4160	MABONGA MELVINE
4199	ANTONY MUTHII
4213	ASHLEY NYABUTO
4216	ERIC NGAYA NJENGA
4217	TIMOTHY MAINA
4218	NABIL AL-BEITI
4220	KEVIN YOGA OSHIVO
4221	EDWIN BUNYOLI
4223	VICTOR KAHIGA
4232	FAUSTINE MATEVA
4237	JACKLINE NASIEKU KONCHELLAH
4248	EUNICE BELLA AKINI OILE
4249	GIBSON MWANGI APUDO
4250	ARNOLD SHICHENJE AZANGALALA
4275	GEORGE MWITI LITHIRA

Membership No.	Name
2346	KIMONDO ANTONY
2758	MURUNGI MWANGI
2761	ENDIRE EDWARD
2762	OTWANI BRUCE
2763	WANDOLO EDWARD
2764	WANJALA LEWIS
2769	MWIRANGA PETER
2771	OTOTO CHRISTOPHER
3176	MOMBO P.M.
3258	MURIITHI PETER
3280	NJERU ANTHONY
3357	NGOYA EVANSON
3360	KIMEMIA LINDA
3739	KIRIINYA ALEX
3811	IKURI MERCY
3812	TANUI SHEILA
3827	TIRIONGO CAROL
2605	WEKESA FELIX
3588	MUGAH HALLANCE
3601	SIMIYU DOLPHINE
2293	WAMBUA C.N.
4501	JOSEPH MUGWERU NJENGA
4589	JULLIEN SALLIEN CHEPKIRUI
4592	OLIVIA NDUTA NGANGA
4617	STEPHEN KAKUI SOMBI
4689	FAITH UNITER NYAKERARIO
4690	FELIX IMANI SIKOLIA
4928	KIPKIRUI SHADRACK
4996	WAINAINA ARNOLD GITAU
5032	THUO BONIFACE GACHERU
5063	OLUOCH NIXON OUKO
5073	ASHLEIGH CATELINE OTIENO
5074	JEDIDAH CHEROTICH

Members in Good Standing

LANDSCAPE ARCHITECTS CHAPTER

Membership No.	Name
5083	KEREN MAINA
5095	CLAUDIUS OKIRI
5211	SAMSON MUTINDA NGONZI
5263	EMMANUEL KIBET KIMAIYO

TOWN PLANNERS CHAPTER

Membership No.	Name
CORPORATE MEMBERS	
5611	FELIX SWAI
5610	DANIEL GACIHI
5129	ALVIN CHEMWOTEI
1280	PATEL MUKESH
1788	MWAURA ARTHUR
1354	MAIRURA EVANS
1735	MWANZIA ALFRED
1947	PROF. JEREMIAH NYABUTI AYONGA
2041	MWAURA PETER
2208	GATIMU DAVID
2209	KUMUNGA EUNICE
2217	MAINA JOHN
2222	SINDANI WELLINGTON
2229	OMOLLO WILFRED
2241	KATHENGE JUSTUS
2254	NDUNGU KENNETH KIMATHI
2621	NGARI STEPHEN
2622	GICHUKI DAVID
2629	MWANIKI MARYANNE
2944	MANG'IRA PERIS
3238	OMOTI KEFA MISUKO
3407	GITHINJI ESTHER
3613	OTIENO WILFRED
1983	MULONGO LEONARD SIMIYU
2239	OGUTU CYRUS
3780	MUCHIRI CHRISTINE
4090	PETER NAIBEI
2482	MWAU CHARLES
2561	WAIRIMU JOSEPH
2567	OLALE PHILIP
3499	MESO JULIUS

Members in Good Standing

TOWN PLANNERS CHAPTER

Membership No.	Name
4457	VICTOR MWAVU NZUE
4458	DANIEL MURAGE MURAGURI
4930	LUSALA LOGEDI VICTOR
5000	GICHURU SILAS MBAABU
5153	PATRICE SHINANDA LUMUMBA
2560	JANE MUGO

GRADUATE MEMBERS

5644	JANE KARANJA
5640	JULIANNE KIROGO
5590	DIANA MURIGU
5570	DIANNE ODEDE
5567	KENNEDY MUTINDA
2255	PROF. ARCH MUGWIMA BERNARD
2211	CHESIRE BRIAN
3239	ARWA GEORGE
4210	WILLIAM KINUTHIA
3170	OGORA BEATRICE
2631	KWADHA AGGREY
3395	NJOROGE BETH
2029	NDEGEAH SAMUEL
4807	MUKOKO BABU
4924	MACHARIA MICHELLE MBATHA
5221	ROMANUS OTIENO OPIYO
5224	MICHELLE OUMA- OTIENO
2030	MICHAEL MAJALE

STUDENT MEMBERS

5632	SOLOMON MUCHOKI
5631	BOTA GIDEON
5629	WILMA NANA
5609	ROSETTA KUIRA
5596	COLLINS LIMO

Membership No.	Name
5589	BRENDA NGOYA
5569	DAISY BINYANYA
5513	TRIZZAH MAINGI
5496	OLIVANTA MWENDA
1588	NJENGA CECILIA
2220	MUKIRA JOE
2238	NYANDORO ORVILLE
2256	NGWALLA TOM
2258	MBILO JACINTA
2259	GICHUHI BERNARD
2260	KARUE SHEILA
2261	ARWA NANCY
2264	ARANDU WINLIGHT
2267	KINYANJUI SUSAN
2268	GITHINJI ESTHER
2270	KISIANGAHI RACHEA
2276	MURIITHI CHRISTOPHER
2282	KARUE STEPHEN
2283	KING`OINA JOAKIM
2286	CHEMWOLO REBBECA
2289	MURIITHI JOSPHAT
2296	ABUYA JAMES
2299	NJOROGE JOSEPH
2345	WANJOHI HELLEN
2347	GITONGA DAINAH
2350	ORWA HERBERT
2352	MWANG`A KEZIAH
2353	WANJIRU MELLISA
2354	WAINAINA SALOME
2355	KAMANDE JOYCE
2356	KOECH DANIEL
2360	KILESI MESHACK
2361	NYOGESA DAVID

Members in Good Standing

TOWN PLANNERS CHAPTER

Membership No.	Name
2362	MAITHYA BENEDICT
2363	LUSALA VICTOR
2364	KATYAMBO JUMA
2365	NGANGA DANIEL
2366	ACHWOKA FRANCISCO
2367	KARANJA WILSON
2368	IRUNGU JOHN
2370	KINYANJUI CATHERINE
2394	ORINA WILLIAM
2470	KINYANJUI KENNETH
2471	KIRUI GEORGE
2473	MWANIKI DENNIS
2475	MUTWOL JEPKOECH
2476	WATHOME EMMANUEL
2477	ORIMBA PETER
2478	WAMUCHIRU ELIZABETH
2480	ALUMASA BETHWEL
2481	KINYUA PETER
2483	OCHIENG GODWIN
2485	MUHORONI SAMUEL
2486	JUMA COLLINS
2488	NYARIKI LAMECH
2489	OBILA CHARLES
2490	NJOROGE JOSEPH
2491	TOWETT MERCY
2493	MABISI CYPRIAN
2494	NEKESA ANNE
2495	NJERU CHRISTINE
2550	NJARAMBA EVAN
2551	CHEYE COLLINS
2552	MWENJE EMMANUEL
2553	KAMAU SIMON
2554	GICHURU RUTH

Membership No.	Name
2555	ONTUMBI GODFREY
2557	WANYOIKE JAMES
2559	MAKARA FRANCIS
2562	MUSILA ZILPHA
2563	GIKONYO MAUREEN
2564	TIROP NICHOLAS
2566	KIITI NATHAN
2574	MAKWORO CHARLES
2619	KIRIGWI ZACHARIAH
3070	KIPKIRUI ERIC
3071	LABALIA JAPHETH
3073	ORE PURITY
3074	MWAI HILDA
3076	MUTHOKA ALLAN
3077	KANYUNGU EUNICE
3078	ODONGO PRICILLA
3080	MWANGI MARY
3081	KANGETHE MAUREEN
3082	ALMASI JUMA
3083	MURIRA TITUS
3084	KINUTHIA CHARLES
3085	MANYALA RICHAREL
3086	MAHIOHA PETER
3088	WANYAMA EUGENE
3089	NUNDA WILLIAM
3090	OMWAMBA JOHN
3091	OTIENO FRANKLINE
3092	KINYOI L.W.
3093	MURUTA DAVID
3105	NJOMO JOSEPH
3106	KINYANJUI SAMUEL
3254	ONDIJO DAVID
3255	WASONGA NEHEMIAH

Members in Good Standing

TOWN PLANNERS CHAPTER

Membership No.	Name
3353	MARANGA WILFRED
3396	THURANIRA BESY
3526	GITUARA SAMUEL
3527	OMWENAH GEORGE
3721	NDIWA PETER
3744	NDEGWA PENINAH
3858	OCHIENG PAULINE
4285	LUCY ANN NJERI
2262	MOSOTI E.O.
2271	MUGO J.M.
2277	MENYA A.A.
2358	MIRARA A.K.
2479	MBUI M.N.
2484	MUCHAI C.A.K.
2558	MBILO J.M.
2685	MIHESO H.M.
3075	MIDEVA P.I.
4853	MANONO MOSES MAOGA
5061	JANEANN NYAMBURA WANJIRU
5155	FAITH GASHU KINYANJUI
5256	YVONE PATRICIA BALAN
5261	PAUL THUO
5294	FELIX WAMBUA
5318	ESTER AMADI KANGWANA
5319	MWANGI JEFF MUHORO
5320	MILLIE MUTETI
5330	ROSEBELL ACHIENG OSOO
5343	LIDSY GATHONI MATHENGE
5351	PHILOMENA KASISI NDAVUTA
5352	VERONICAH WANJIRU NJENGA

CONSTRUCTION PROJECT MANAGERS CHAPTER

Membership No.	Name
CORPORATE MEMBERS	
2100	MSAFIRI SEBORU
5633	CHARLES NZIOKA
5606	JAMES NGATIA
5497	ROBERT GACIRI
5131	ISAAC JOHN KURIA
5435	KEPHA NYAMWEMBE
5418	MIKE MUTHOMI MWANGI
1200	OCHONG` DOUGLAS
1218	OCHIENG RAPHAEL
1721	ABONYO ERASTUS
1810	OGUNDE OSCAR
2372	BISHER FAWAZ
2587	KIGAI EDWIN
3193	MUTAKAA JOHN
3738	MAKAU RUTH
3783	KAIRU PAUL
3813	CHEGE GITURA
3862	MAYAVI PETER
4124	KHAMILA MARK
3501	KIMANI JOHN
3637	NGIGI PETER
3611	KANALO JAMES
3409	MWAZI ALPHAGE
4904	EKASIBA CHARLES ICHUDI
5003	MUREITHI LAWRENCE M.
5377	REDEMPTA MUNYALO
LICENTIATE MEMBERS	
4810	PETER MILIMU MUTANGE

Members in Good Standing

CONSTRUCTION PROJECT MANAGERS CHAPTER

Membership No.	Name
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GRADUATE MEMBERS

5641	STEVE MAHINDU
5607	LAWRENCE MUJO
5495	SHARON JEPKEMBOI
5485	BRIGET KERUBO MASAKI
5442	JOHN MULINGE
3565	OMONDI GEORGE
3566	BIWOTT JOHN
3620	KOIGI KAREN
3758	KAMOTHO JAMES
3830	MWANGI MARTIN
3887	OGOTI PHIRES
4043	PAUL OUMA OWUOR
4262	JOSEPH MUTIGA WACHIRA
4264	JACOB SIMWERO
4405	MOSES CHIRCHIR KIPTUI
5025	KIRORI CHEGE
5080	MASIKA COLLINS WAFULA
5145	LAMECK MWAMBI
5165	DARLAINE KIBUCHI
5333	WANYOYI WILFRED MASINDE

TECHNICIAN MEMBERS

5026	SANGA DANIEL TEMBO
5100	PHARIS MAINA KINYUA

STUDENT MEMBERS

5587	CECILIA KAMITI
5506	DANCAN NGINYA
5390	DANIEL MUTINDA MUSYOKA
3915	ISAIAH K. GITHAE
3916	BRUCE N. GICHIMO

Membership No.	Name
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3917	TRACY A. ODIEMBO
3918	JUNE W. MURAGE
3919	BRIAN G. GATUTHA
3410	HUSEIN YASIN
3516	KAMAU ZIPPORAH
3517	MUTUNGI SIMON
3559	AMAYEYE FORD
3708	WACHIRA JAMES
3761	IGOBWA JOHN
3849	GACHUGI STEPHEN
3902	MBAI FAITH
4462	MAUREEN WACEKE CHEGE
4469	MARK NJUGUNA KIARIE
4557	GIDEON KIPKOECH RONO
4558	IBRAHIM KIPLANGAT NGETICH
4584	DANIEL GAKURE KAMAU
4585	MERCY MUNYIVA KIMANDO
4587	EVAGELINE WAWIRA KARANJA
4335	PATRICK INZEI ATSENGA
4903	AGUTU DENNIS
5015	OKONJO GILBERT
5016	WANJIRU NICHOLAS GAITHO
5017	NGUMBI FESTUS MUSAU
5018	MUYA DANIEL GACHERU
5019	MAKANGA ANZELINE CRIS
5020	MBURU DANIEL MWANGI
5021	ODOYO BONPHACE OCHIENG
5022	SAMBU PHILIP
5028	GATHITU PATRICK MWANGI
5049	MWONGERA DENIS MBARIE
5067	WACHIRA MATHEW MUTERO
5023	SONIA JUDY MUTHONI KAMAU

Members in Good Standing

ENVIRONMENTAL DESIGN CONSULTANTS CHAPTER

Membership No.	Name
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CORPORATE MEMBERS

4282	ROSEMARY OMWOMA LITUNYA
5591	GERALD CHERUIYOT KIPNGENY
2912	GICHUYIA LINDA
5493	PHILLIP M. KAIRU
1885	OLAWO GIDEON GEORGE
1926	MWEU MUTUA
1938	KIMEU MUSAU
2790	NJUE PETER NJERU
2793	MWANGI WINFRED
3208	NZIOKI NICKY
2207	KIMANI MARY
2056	NJOROGE GLADYS MUTHONI

GRADUATE MEMBERS

3384	KARIUKI DUNCAN
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Firm Members in Good Standing

Membership No.	Name
ARCHITECTS CHAPTER	
F00211	DAMA SERVICES
F00212	DECALOGUE INTERNATIONAL
F00209	EPHRON ARCHITECTS
F00007	DMJ ARCHITECTS
F00008	SYMBION KLTD.
F00014	BATIMENT GROUP LTD
F00017	TRIAD ARCHITECTS
F00019	SK ARCHPLANS
F00020	APT DESIGN SOLUTIONS
F00021	MORPHOSIS LIMITED
F00022	TEJ ARCHITECTS
F00023	AXIS ARCHITECTS
F00025	ARPRIM CONSULTANTS
F00026	TECTURA INTERNATIONAL LTD
F00028	SYNTHESIS LTD
F00032	AIA ARCHITECTS LIMITED
F00036	ARCH-LINK INTERNATIONAL LTD
F00050	LINS CONSULT
F00053	OTTO MRUTTU & PARTNERS
F00054	SCOPE DESIGN SYSTEMS LIMITED
F00057	U-DESIGN ARCHITECTS
F00059	BOWMAN ASSOCIATES
F00061	JAWKIM CONSULTING ARCHITECTS
F00062	MAESTRO ARCHITECTS LTD
F00063	OCTA ARCHITECTSS LTD
F00068	ARPLAD ARCHITECTS
F00069	LEXICON PLUS ION LIMITED
F00075	ULTIMATE DESIGN LTD
F00085	AAKI CONSULTANTS
F00087	TECTA CONSULTANTS
F00089	STUDIO INFINITY LLP

Membership No.	Name
F00091	SKETCH STUDIO
F00092	PETER THOMAS ASSOCIATES LTD
F00093	DOMUS ARCHITECTSS
F00100	ARCHGRID SYSTEMS
F00108	K & M ARCHPLANS
F00110	SPACE AND SYSTEMS
F00113	ARCS AFRICA
F00118	MUTISO MENEZES INTERNATIONAL
F00119	PLANNING SYSTEMS SERVICES LTD
F00120	MRUTTU SALMANN
F00126	DESIGNWORTH ARCHITECTS LTD
F00128	INTER ARCHITECTSS
F00130	DIMENSIONS ARCHITECTS
F00134	BLINK STUDIO LIMITED
F00136	BASELINE ARCHITECTSS LTD
F00141	GIBB ARCHITECTSS
F00150	HERITAGE ASSOCIATES LTD
F00152	WHINTTO ARCHITECTS (K) LTD
F00154	ARCHSCAN ASSOCIATES LIMITED
F00163	ARCSCENE ARCHITECTSS (K) LTD
F00165	GITUTHO ARCHITECTS
F00166	B EGLIN WOODS ARCHITECTSS LTD
F00177	DESIGN SOURCE LIMITED
F00178	TRIOSCAPE LIMITED
F00179	LOCUS STUDIO LTD
F00180	TEAM 2 ARCHITECTS LTD
F00185	PHAROS ARCHITECTS K LTD
F00181	BOOGERTMAN AND PARTNERS
F00191	MASTA D-SIGNS LTD
F00198	TD ARCHITECTS LIMITED
F00199	GRASP DESIGN LIMITED
F00201	BOMANI CONSULTANTS
F00203	DOTUN ARCHITECTS LLP

Firm Members in Good Standing

Membership No.	Name
F00205	SPIRE STUDIO ARCHITECTS LTD
F00207	AANDB GLOBAL LIMITED
F00208	DESIGNWORKS LTD

QUANTITY SURVEYORS CHAPTER

F00010	ARMSTRONG & DUNCAN
F00011	MGA CONSULTANTS LTD
F00012	HAROLD FENWICK & ASSOCIATES
F00013	SCHEMATIC CONSULTANTS LTD
F00016	AFRICOST LIMITED
F00018	GETSO CONSULTANTS LIMITED
F00024	DAVSON AND WARD
F00041	COSTWISE ASSOCIATES
F00042	MUAMBI ASSOCIATES
F00051	NORTH WIND CONSULTING LIMITED
F00052	AEGIS DEVELOPMENT SOLUTIONS
F00071	SHAQUE ASSOCIATES LTD
F00072	KANJUMBA CONSULTANTS LTD
F00076	M & M CONSTRUCTION
F00079	CONSULTANTS
F00081	MAK CONSULTANTS
F00082	INTEGRATED YMR PARTNERSHIP
F00084	BUNEI, MAUNGU AND ASSOCIATES
F00096	MASTERBILL INTERGRATED
F00123	SONGA OGODA & ASSOCIATES
F00129	GACHAGUA, KAHORO & ASSOCIATES
F00137	MANDHRY ASSOCIATES
F00143	QUANTECH CONSULTANCY
F00147	QUANTI BILL CONSULTS COMPANY
F00161	TANDEM AND STARK
F00190	KEMSAL CONSULTANTS LIMITED
F00206	SHELTA COST SOLUTIONS LTD

Membership No.	Name
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ENGINEERS CHAPTER

F00043	FRAME CONSULTANTS LTD
F00058	UNICONSULT ENGINEERING

LANDSCAPE ARCHITECTS CHAPTER

F00167	URBAN GREEN LANDSCAPES LTD
F00186	LANDMARK DESIGNS LTD
F00192	ECOARCH SOLUTIONS LTD

TOWN PLANNERS CHAPTER

F00148	GEODEV (K) LTD
F000196	SUPREME PLANS CONSULTANTS

ENVIRONMENTAL DESIGN CONSULTANTS CHAPTER

F00197	ECOTECHTURE LTD
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Convention Programme



5th July

5th - ALL DAY: Arrival and Registration of AAK Delegates
Golf Tournament at Nyali Golf Club

6th July

0600 - 0700: Morning Fitness/Yoga by the Beach

SESSION ONE: OFFICIAL OPENING

Rapporteur: Isabel Njoroge

- 0800 - 0900 Registration & Code Scanning; Entertainment
- 0900 - 0910 Kenya National Anthem; East African Community Anthem; Launch of Annual Convention 2022
- 0910 - 0915 Welcome remarks by **Ambrose Ofafa**, Convenor
- 0915 - 0920 Remarks by **Florence Nyole**, Vice President, AAK
- 0920 - 0940 Message by **Wilson Mugambi**, President, AAK
- 0940 - 1010 Keynote Speech by **HE Hon. Lee Kinyanjui**, Governor, Nakuru County
- 1010 - 1030 Sponsor Presentation by **Bamburi Cement Ltd**
- 1030 - 1100 Health Break

SESSION TWO: E-GOVERNMENT & DIGITAL ECOSYSTEMS IN URBAN MANAGEMENT

- 1100 - 1110 Sponsor Presentation by **Hafele East Africa**
- 1110 - 1130 Presentation by **David Gatimu**, Planner, Urban Development Practitioner
- 1130 - 1140 Q & A Session
- 1140 - 1240 **PANEL DISCUSSION** Moderator: **Cyrus Mbisi**, Chair, Town Planners Chapter
 1. **David Gatimu**, Planner, Urban Development Practitioner
 2. **Steve Gome**, Architect, Director of Urban Development, County Government of Kisumu
 3. **Patrick Analo**, Urban Planner, City Planning Department, Nairobi City County
 4. **Githinji Mbugua**, Architect; Urban and Environmental Regeneration Enthusiast
 5. **Florence Kimata**, Senior Consultant, World Bank Group; SME Advisor at the Ministry of Industry, Trade and Cooperatives
- 1240 - 1300 Q & A Session
- 1300 - 1400 Lunch Break
- 1400 - 1600 Breakout Session
AAK SACCO Seminar (at the Main Dome)
- 1600 - 1800 Volleyball Tournament by the Beach

WELCOME COCKTAIL, SPONSORED BY LATICRETE

Dress Code: Beach Floral

- 1900 - 2000 Arrival of Guests, Entertainment and Refreshments
- 2000 - 2010 Welcome remarks by **Marylyn Musyimi**, Hon. Secretary, AAK
- 2010 - 2025 Sponsor Presentation by **Laticrete International Inc.**
- 2025 - 2040 Remarks by **Wilson Mugambi**, President, AAK
- 2040 - 2100 Remarks by **HE Hon. Lee Kinyanjui**, Governor, Nakuru County
- 2100 Entertainment

Convention Programme



7th July

SESSION THREE: URBAN MOBILITY AND SUSTAINABILITY IN THE URBAN SYSTEMS

- 0800 - 0900 Registration & Code Scanning; Entertainment
0900 - 0910 Welcome remarks by **John Mwaniki**, Hon. Registrar, AAK
0910 - 0920 Sponsor Presentation by **Mabati Rolling Mills Ltd (MRM)**
0920 - 0940 Presentation by **Chris Kost**, Africa Programme Director, Institute for Transport and Development Policy
0940 - 0950 Q & A Session
0950 - 1030 **PANEL DISCUSSION: Moderator: Justus Otwani, Chair, Engineers Chapter**
1. Brenda Kamande, Landscape Architect & Urban Planner, Kiambu County Government
2. Carolyne Wanza, Landscape Architect & Urban Designer
3. Dennis Wakaba, Urban Planner, E-mobility Expert, Roam Electric
4. Howard M'Mayi, Deputy Regional Director, Coast Region- Kenya National Highways Authority
5. Taufiq Balala, County Executive Committee Member for Transport, Infrastructure & Public Works, Mombasa County
1030 - 1040 Q & A Session

SESSION FOUR: INNOVATIVE MUNICIPAL FINANCING MODELS FOR INFRASTRUCTURAL DEVELOPMENT

- 1110 - 1120 Sponsor Presentation by Knauf Gypsum Tanzania
1120 - 1140 Presentation by **Mary Chege**, Advocate, EMSI & Associates
1120 - 1130 Q & A Session
1140 - 1220 **Panel Discussion: Moderator: Mary Theresa Odhiambo**
1. Sylvester Kasuku MBS, CMILT, Executive Director/ CEO, African Centre for Transport, Infrastructure
2. Zoravar Singh, Board Director, Kenya Property Developers Association
3. Mary Chege, Advocate, EMSI & Associates; Certified Public-Private Partnerships Practitioner
1220 - 1230 Q & A Session
1230 - 1400 Lunch Break
1400 - 1500 Breakout Sessions: Transit- Oriented Development Session by Engineers' Chapter
Pecha Kucha hosted by Architects Chapter and Habitat for Humanity
1500 - 1730 BuildTour to **Bamburi Cement Factory**, Mombasa

Convention Programme



8th July

SESSION FIVE: LEGAL AND POLICY FRAMEWORK FOR EFFECTIVE URBAN MANAGEMENT

- 0800 - 0900 Registration & Code Scanning; Entertainment
0900 - 0915 Sponsor Presentation by **RCR BGSB Flooring Kenya Limited**
0915 - 0920 Welcome remarks by **John Mwaniki**, Hon. Registrar, AAK
0920 - 0940 Keynote Presentation by **José Luis Cortés**, President, International Union of Architects
0940 - 0950 Q & A Session
0950 - 1010 Presentation by **Richard Mareri**, Physical Planner, State Department of Housing and Urban Development
1010 - 1050 **Panel Discussion:** **Moderator: Christine Muchiri, Town Planners Chapter**
1. Martin Tairo, Architect; Past Chair, Municipality of Mwatate
2. Dennis Abuya, Principal Physical Planner, County Government of Kiambu
3. Rehema Kabare, Project Manager Trainee at the GoDown Arts Centre - Urban Division
4. Richard Mareri, Physical Planner, State Department of Housing and Urban Development
1050 - 1100 Q & A Session
1100 - 1130 Health Break

SESSION SIX: ROLE OF NEIGHBOURHOOD ASSOCIATIONS & CIVIL SOCIETY GROUPS IN URBAN MANAGEMENT

- 1130 - 1150 Presentation by **Irungu Houghton**, Chair, Kilimani Project Foundation
1150 - 1230 **Panel Discussion:** **Moderator: Juliet Rita**
1. Wanjiru Kanyiha, Executive Director, Kilimani Project Foundation
2. Karanja Geche, Engineer; Chair, Alliance of Kiambu Residents and Neighbourhood Association
3. Titus Kaloki, Programme Coordinator - Just City, Friedrich-Ebert-Stiftung Kenya
4. Annabel Nyole, Urban Planner, Program Coordinator, Public Space Network
5. Irungu Houghton, Executive Director, Amnesty International; Past Chair, Kilimani Project Foundation
1230 - 1240 Q & A Session
1240 - 1250 Conclusion: Rapporteur General's Summary: **Brenda Nyawara**
1250 - 1300 Vote of Thanks by **Rachel Patience Mulondo**, Hon. Treasurer, AAK
1300 - 1400 Lunch Break
1400 - 1700 Tour to Kipevu Container Terminal - Kenya Ports Authority

GALA DINNER Dress Code: White and Gold

- 1900 - 2000 Arrival of Guests, Entertainment and Refreshments
2000 - 2010 Welcome remarks by **Caleb Mong'are**, Chair, AAK Mombasa Branch
2010 - 2020 Remarks by **Wilson Mugambi**, President, AAK
2020 - 2040 Remarks by Guest of Honour, **José Luis Cortés**, President, International Union of Architects
2040 - 2100 Award Ceremony - Students Competition, Golf Tournament, Volleyball Tournament
2100 Entertainment

MORE TO DO AT THE CONVENTION

Golf Tournament

🕒 **TUE, 5TH JULY** | MORNING/AFTERNOON

📍 **NYALI GOLF CLUB**

💰 **Green Fees: Ksh. 5,000**
Reciprocating Member: Kshs. 500
(if you have not exhausted your reciprocation)

Registration Deadline: 30th June

Registration link provided in the caption

RECIPROCATING CLUBS

- Muthaiga Golf Club
- Royal Nairobi Golf Club
- Karen Country Club
- Vetlab Sports Club
- Eldoret Golf Club
- Sigona Golf Club
- Nanyuki Golf Club
- Parklands Sports Club

Welcome Cocktail

🕒 **WED, 6TH JULY** | 7.00PM

🎩 **Dress Code: Beach Floral**

💰 **Plus-1 Charge: Ksh. 2,000**

CHIEF GUEST:

HE Hon. Lee Kinyanjui
Governor, Nakuru County

MORE TO DO AT THE CONVENTION

CONVENTION BREAK-OUT SESSION:

Pecha Kucha

Adequate Housing: The Role of Government and the
Community in Delivering Dignified and Healthy Housing

🕒 **THUR, 7TH JULY**
2.30 - 4.30PM

Transit-Oriented Development for Inclusive Cities

Workshop & Site Visit to
the Buxton Point Project

🕒 **THUR, 7TH JULY**
2.00 - 4.30PM

📄 **FREE EVENT**

MORE TO DO AT THE CONVENTION

Bamburi Cement Factory Build Tour

🕒 **THUR, 7TH JULY | 3.00PM**

📍 **Bamburi Cement Factory, Mombasa**

💰 **Plus-1 Charge: Ksh. 1,000**



Beach Sports: Football & Volleyball

🕒 **THUR, 7TH JULY | 4.00PM**

👕 **ATTIRE: SPORTS WEAR**



**MORE TO DO
AT THE CONVENTION**

Kipevu Terminal 2 Build Tour

**Includes Guided Tour of the Kipevu Port
and the Floating Bridge**

 **FRI, 8TH JULY | 2.00 - 5.00PM**

 **Early Bird (Until 5th July)**

Members: 1000/-

Non-members: 1500/-

Late Registration

Members: 1500/-

Non-members: 2000/-

Limited spaces available

5

PDUs

FROM EBK

Gala Dinner

 **FRI, 8TH JULY | 7.00PM**

 **Dress Code: White & Gold**

 **Plus-1 Charge: Ksh. 5,000**

CHIEF GUEST:

José Luis Cortés

President, International Union of Architects