A Fallen Hero

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FROM THE PRESIDENT’S DESK

I pass my warm greetings to all Quantity Surveyors across Africa. It is always fulfilling to travel throughout Africa and see outstanding structures made possible by our involvement in cost and contract management.

In the last quarter, the QS fraternity in Africa lost one of its key pillars in Dr Corné de Leeuw. A man who has been feted by the Construction Industry Association for his excellence and diligence. His absence was greatly felt in our recently concluded meeting in Lusaka, Zambia. Messages of condolences from AAQS and member associations were sent to console the family. We shall miss him dearly.

Moving on, the meeting in Zambia focused on AAQS sustainability agenda, dwindling opportunities for the Quantity Surveyors in the building construction sector, improved collaboration amongst players and communication challenges.

The transformation of the QS into a cost manager to handle all infrastructure projects remains a mirage. When will the break through occur? Who will lead the way? Major infrastructure projects are owned by government – so this decision must be made at the highest level to involve Qs and realize value for infrastructure projects – it is estimated that projects can achieve 20 - 30% savings if costed and managed properly. LET US EMBARK ON THIS AGENDA WITH RESOLVE IN ALL COUNTRIES.

We can only succeed if participation in our meetings improves. It is disheartening to note some member associations have missed two consecutive meetings and have minimal communication with the Secretariat. As we said at the beginning of our term, let us harness the existing ICT capabilities and communicate regularly.

The strategy committee with the support of EXCO made radical proposals to enhance our sustainability beyond annual subscriptions. Comprehensive communication will be shared within the month of April. The Associations represented at the meeting supported the proposal to introduce a sustainability levy this was led by NIQS who already made a pledge of USD 10,000.00.

Please share information about your activities, invite the regional Vice President to attend and let us be INTERACTIVE and remain faithful to our objectives.

Wishing you all success in your businesses.

Qs David M. Gaitho
AAQS President
THE AVANT GARDE OF AAQS IS GONE!

A tribute to Dr. Corné de Leeuw cannot be complete without linking his activities and indeed life style to AAQS!

His departure coincidentally happened at an important milestone of the AAQS – its 20th year anniversary. I first met Corné at the first General Assembly of the AAQS in Suncity in South Africa in 1999.

He was highly visible because of his white silvery hair. But far more importantly was my observation of his special leadership qualities and quiet but palpable charismatic personality with an infectious smile.

It was obvious to me that he would definitely be an outstanding and iconic future leader of AAQS.

He was very passionate about AAQS and was very much interested in its rapid growth. He was a transformational leader and change agent.

Corné was the backbone of the AAQS – the secretariat was warehoused in his office.

His enthusiasm and energy for the good of AAQS brought us closer together. Through this closer working together for AAQS, our two practices formed a joint association, a partnership of working together on major projects. Our first project together was Tinapa Leisure and Resort Centre in Calabar in Nigeria which was one of the biggest Capital Project in Africa in 2005. It was a seamless working relationship and indeed an attestation of one of the benefits derivable from the establishment of AAQS.

Corné was well respected admired by all for his enduring commitment and outstanding contribution to the growth of AAQS.

He was not only a progressive leader, he was also held in the highest esteem by all AAQS member bodies throughout Africa.

He had a gift of innovative thinking, a visionary spirit and the boundless patience required to successfully champion and lead an organization.

He it was that produced almost single handedly all the model documentations for use by members as its Chairman.

At all our meetings, Corné plays a role that could aptly be described as a ‘Head Boy’ in some instances and in other instances a “Father of AAQS”. He was meticulous and has a penchant for details. He has a highest level of disciplinary disposition; his contributions at those meetings were powerful and his work ethics more than remarkable.

Corné played a key role in the continued sustainability of the AAQS.

In all our Association’s activities, Corné was a good mixer, connects to people easily and can grow friendship effortlessly due to his youthfulness despite his age.

At meetings, his mien depicts one of a gentle disposition but he was a tiger, a pet name I was told was given to him by his close associates. He would hold tenaciously to what he believed in without batting an eyelid nor bothered about whose ox is gored!

In AAQS, his energy was boundless, his contributions unparalleled; his zeal and dedication total and his insight – razor sharp. At a recent meeting of the AAQS Executive Council held in Lusaka in Zambia, the first after his demise, his absence was deeply felt. It was obvious that the “heartbeat” and “soul” of AAQS was gone.

The only legacy that will preserve Corné’s memory with us is to keep a united front and work in our respective countries to transform the orientation of our local Associations towards a global and world class standard.

Adieu Corné, I wish you safe passage to your origin. May you find helpers on the way that will gently guide you on. May you find grace and mercy on the way. You will surely be missed by the AAQS family – The great Professor, The “father” of AAQS!

Segun Ajanlekoko
Past President (2005 – 2008)
JOINT AAQS/ZIQS SEMINAR IN ZAMBIA HIGHLIGHTS

Attendees of the AAQS/ ZIQS Joint Event

Two things stood at during this event: Infrastructure & Collaborations.

1. The need to lobby for the involvement of the Quantity Surveyor in Infrastructure Projects

In a nutshell, the discovery that the African QS fraternity continues to face similar challenges came alive during this encounter. These challenges that include low public awareness that limits the appreciation of the quantity surveyors are common to all of us.

Particularly, the absorption of the services of a quantity surveyor in infrastructure projects has met numerous blocks in African most countries, a situation that without a doubt contributes to high cost overruns that is ever present in most of these projects that include roads, bridges, ports and airports. The challenge for AAQS is therefore to continuously lobby for policy changes as highlighted by QS Kimani of ZIQS.

2. If a Qs firm is to grow significantly, then Collaborations is the way to go.

Growing organically is what most African Qs firms opt for, obviously because of the need to take control of the practice but oblivious to the benefits of collaborations. According to QS Segun Ajanlekoko, these firm that likely face stunted growth will often run small time partnerships or sole proprietor outfits whose capacity is myopic, short term and not sustainable beyond one’s life term.

He invited all of us to consider the possibility of collaborating through mergers and acquisitions as a pathway to international markets, expanded capacity and enormous capital injection citing that Law firms and engineering firms such as Atkins had almost mastered this model.
A GLIMPSE INTO THE PRACTICE IN ZAMBIA

1. What is the size of the construction industry?

As of 2014, the Zambian construction industry comprised 27.5% of the national GDP while boasting with an annual growth Rate of 12%. In 2016, the Director of Infrastructure at the Ministry of Works and Supply reported that the statics of August that year indicated an average growth of 17.5% per annum and 9.1% of the foregoing growth was attributed to real estate. According to the Ministry, the referred growth could be attributed to increased Government expenditure on Infrastructure development as well as private sector investment in Power generation projects, health facilities communication infrastructure, health and Education.

The Zambian Construction Industry remains with potential to grow at higher than 17.5% per annum due to backlog of necessary basic infrastructure that is pending development. For instance, Zambia has a backlog to date of approximately One million housing units and according to real estate experts, this state of affairs will require construction of 110,000 housing units per year to clear this backlog in ten years.

2. Give us a glimpse of how the industry regulated?

The Zambian Construction Industry is regulated by Various Statutory Instruments / laws that govern given sections of the Industry. The overall governing body is the National Council for Construction (NCC) which mainly governs Project Implementation by ensuring that all stakeholders on given project have followed laid down procedures and regulations in the execution of a given project. The NCC regulates the industry by monitoring construction related activities through the following among others:

   a) Ensuring that the contractor building the project is registered with NCC in the category specified for such size and type of work
   b) The project has full Consulting team on the Projects Registerd with their regulating bodies according to the type and size
   c) That the project is registerd with NCC and associated registration fees are paid
   d) Ensure that Health, safety and wellbeing of the workforce on site is adequately provided as they work on the given site

The other level of monitoring is the regulation of individual Consultants through their Acts as follows:

   a) Architects are regulated and monitored through the Zambia Institute of Architects Act – CAP442
   b) Engineers are regulated and monitored through the Engineering Instution Zambia – ACT No 17
   c) Quantity Surveyors are regulated and monitored through the Quantity Surveyors egistartion Body Act – CAP 438.

Overall, the Industry is regulated by the National Council for Construction in that the Board of the NCC comprise Government and members of the private sector through affiliated trade and professional bodies that include appointees from the above 3 professional bodies.

3. How many registered Qs are in Zambia?

As of 2018 we have 30 registered Quantity Surveying Firms and 60 registered Quantity Surveying practitioners.
4. Enlighten us on the pathway to registration of a Qs in Zambia and tell us on the institutions offering quantity surveying in Zambia.

Currently, the Quantity Surveyor seeking to be registered should work under a registered practitioner for a minimum of years after which he/she is supposed to fill in a structured Log Book under the watch of the practitioner who guides and signs as the intern qualifies for each of the required area of competency and training. Upon filling the Log Book in the prescribed manner, the Intern submits the application together with the signed log Book to the Board with prescribed application / registration fee. The Board Members scrutinizes the submission individually and comment privately. After the application has done the round, the Board sits to compare notes and if the applicant has done well, he/she is called for a structured interview to ascertain if he is competent and was the one filling the log book. Upon satisfying the requirements, the member is registered. If on the other hand the applicant’s application was found inadequate, the applicant will be given time to work of the lacking competencies and resubmit his/her application for consideration during the next sitting. Registration of Quantity Surveyors in done annually in the above prescribed manner.

The above registration path has been found to have a bias towards Quantity Surveyors working in a practice / for Consultants and thus the repealing of the bill to allow for registration procedures and processes that will encompass all Quantity Surveyors including those working for Construction Companies and affiliated organizations.

5. ZIQS, tell us the history of this institution, plans for the future and highlight any other professional associations in Zambia.

The Zambia Institute of Quantity Surveyors is a brain Child of the Quantity Surveying fraternity as a whole. The ZIQS was born because our members realized that the initial Mother body Surveyors Institute of Zambia was failing to meet the aspirations of Zambian Quantity Surveyor. As per foregoing, we initially used to be a part of the Surveyors Institute of Zambia that was representing Zambian professional Land, Quantity and Valuation Surveyors.

Among the gaps in the Surveyors Institute of Zambia is that the Institute itself is not a statutory body but was trying to oversee activities of Statutory bodies such as the Quantity Surveyors Registration Board, Valuation Surveyors Registration Board and like. The fact that the registration boards are statutory bodies and the Institute is not, created a lot of confusion among the membership in that the Boards considered themselves supreme to the Institute when they are supposed to be sections or departments within the Institute and answerable to the elected Council.

The boards considered themselves greater than the Institute and all surveyors registered under the Boards considered themselves more surveyors than those holding membership from the Institute. The Quantity Surveyors that were not registered under the Registration Board became apathetic towards the profession and began registering themselves under the Engineers Institute if Zambia where they felt recognized. Upon seeing the foregoing development,
the Quantity Surveyors through the Quantity Surveyors Registration Board called for meetings where the solution to the mentioned challenge was found in the formation of the Zambia Institute of Quantity Surveyors (ZIQS).

Since the formation of the Zambia Institute Quantity Surveyors, We have enacted a new Constitution and the ZIQS Bill has reached an advanced stage pending enactment in to law that will govern the surveyors in the manner that deem inclusive to all Quantity Surveyors.

The Founding Executive of the Zambia Institute of Quantity Surveyors comprised:

President       Mutale Kampamba
Vice President   Levy Mvula
Registrar / Secretary  Kunda Chansa
Treasurer        Kabo Musyani
Committee Member Mukomi Munyu
Committee Member Gift Kamfwa
Committee Member Fungai Musana
Committee Member Mukuka Chisanga

We have since defined ourselves appropriately and had our very first annual general meeting where the new Executive for the Period 2019 to 2020 was ushered into office as follows:

President       Levy Mvula
Vice President   Grace Nalwenga
Registrar        Mukoni Munyu
Secretary        Kunda Chansa
Treasurer        Kabo Musyani
Committee Member Chibale Musungaila
Committee Member Mukuka Chisanga

With the foregoing strides so far, we are very positive the Future of the Zambian Quantity Surveyor is on the right path. We have now properly alienated membership categories and all our surveyors will now carry the registration status form their Institute of Choice and the Registration Board will be a department / section among other committees under the Institute once the Bill is passed into law by the Zambian Parliament.

6. Finally, are there any challenges faced by the Qs in Zambia?

The Zambian Quantity Surveyor has been overshadowed by the Zambian Engineer in that by hook and crook the Zambian Engineer has assumed the role of a Quantity Surveyor and especially on Government Projects. It’s very unfortunate that our cry and advice to the Government has been falling on deaf ears thus causing the Public through the government of the day to pay much higher costs than they are supposed to pay for given infrastructure. The foregoing State of Affairs has eroded Cost Transparency thereby affording the Engineers the opportunity to inflate the prices of the Projects.

We are however hopeful that the Government has now come to the realization that they have in the past allowed individuals with Limited knowledge in Infrastructure and Building costing to be their advisers on this important aspect of National development. The republican President His Excellency Mr. Edgar Chagwa Lungu commented in March 2019 that The Engineers are bulking their wallets by inflating Cost of Government projects, prompting the local tabloid (the Daily Mail of 28th March 2019) to call them as “Evil Engineers” in their Headline, a story narrated by Rebecca Mushota of Daily Mail.

We have continued engaging the Government through the relevant Ministries to make them understand that the loopholes observed due to engineers assuming the role of the Quantity Surveyor will be sealed once the Zambian Quantity Surveyor is allowed is rightful place in the Zambian Construction Industry and Public Infrastructure development.

We seek them to know that the traditional technical and professional role of quantity surveyors relate to measurement and documentations of production information, price, value and cost of construction, pre- and post- tender management, contract administration, and drawing up a correct final account of the Project thereby highlighting any cost movement with substantiated adjustments / changes occasioned by site / project circumstances as opposed to those arising due to the incompetence of the Professionals (Engineers) involved. Coupled with the foregoing core for the Quantity Surveyor are other approaches to newer areas on procurement that include Private Finance Initiative (PFI) / Public Private Partnerships (PPP), construction law and dispute resolution, socio-economic development, governance and like.
EMBRACING THE YOUNG QS

The Young Quantity Surveyors Forum (YQSF), a national body under the Nigerian Institute of Quantity Surveyors (NIQS) established through a constitution amendment process in 2015 and formally inaugurated by QS Murtala Aliyu (PPNIQS, FNIQS). The forum’s objective include encouraging active participation of Young Quantity Surveyors at the Institute’s programmes, creation of platform for intellectual discussion, brainstorming session towards enhancing up knowledge capacity of young members and continuous improvement of professional practices and standards. The forum comprises of NIQS members who are thirty-five (35) years and below and includes corporate members, probationer and Quantity Surveying students. The YQSF has successfully contributed to the progress and achievement made during three successive NIQS President’s administrations namely, QS Murtala Aliyu (FNIQS, PPNIQS), QS Mercy Iyortyer (FNIQS, PPNIQS), QS Obafemi Onashile (FNIQS, PNIQS) and has a sustainable model to provide representation for the Young Quantity Surveyors in Nigeria and Africa.

Nigerian Young Quantity Surveyors (YQS) took identity from the erudition and charisma of the Institute’s founding fathers, the pioneering team ably led by Qs Ahmad Kabir laid a very solid foundation wherein other successive leaders were able to build upon. The strategic action plan of the forum guides the implementation of her activities with respect to the attainment of her objectives. The need for African young professionals to develop indigenous solution to the continent’s problems through outstanding innovation is a major hallmark to the forum activities. The YQSF action plan involves, technical session; both virtual and physical, periodic technical site visits, sporting events, Inter school competition, Entrepreneurship skill training, Mentorship programme, partnership with NIQS in organising Annual QS/PM Job fair and participation at International workshop/conference.

The forum has a strategic leadership organ that includes, three appointed steering member, regional coordinators, and chapter coordinators. Since inception in 2015, the forum through her leaders has facilitated series of practical oriented trainings that include the following; Dynamism of Quantity Surveying profession, Prospects & challenges of marketing Quantity Surveying profession, Advance Microsoft office Application to Quantity Surveying, Creating Positive Professional Image – The role of the social media, Contract administration, Estimating, Project management and Measurement of M&E services.

The forum through the Regional and Chapter coordinators participated in series of National Association of Quantity Surveying Students’ activities in tertiary institutions. The relationship has yielded a great effort that endeared graduating Quantity Surveying students to the Profession, activities of the Institute and promptness toward fulfilling

Qs Adeyera Adebolaat

YQS, Nigeria Representative, Qs Adeyera Adebola, (MNIQS, RQS) at the ICEC-PAQS 2018 International Conference at Sydney, Australia.
requirement towards becoming a corporate member of the institute. It has also made possible the series of technical site visits held at various construction sites nationwide by the forum; few amongst the multi million dollars projects sites include the following; the development at Lakowe Lakes and Golf country Estate - Lagos, Commercial Mall along Abuja International Airport - Abuja, Lagos-Ibadan Expressway Road Project, Lagos-Abeokuta-Ibadan Rail network, Eko Atlantic city project amongst others. The interactive session and technical site visits provided the opportunity to network, build cohesion and intellectual cum lasting synergy among young members and industry practitioners.

The forum’s representative at the 2018 conference of International Cost Engineering Council/Pacific Association of Quantity Surveyors (ICEC - PAQS) at Sydney, Australia, secured the privilege to be amongst the pioneer team of ‘ICEC Rising Professionals’, a committee whose objectives are on the exchange of professional knowledge, aiding career development amongst ICEC member countries, networking platform to offer global communication, opportunities and promoting ICEC to young members. The Nigerian Young Quantity Surveyors Forum chairman, Qs Adeyera Adebola (MNIQS, RQS) was elected as ICEC Rising professional honorary secretary. The forum had representatives who attended the Commonwealth Association of Surveying and Land Economy (CASLE) Conference held at Zambia and Qatar Green Building Council (QGBC) Conference with members of the Institute. The international participation provides opportunity for networking and creation of opportunity for the young Quantity Surveyors.

The YQS utilises the social media platforms (Instagram, LinkedIn, twitter, WhatsApp, Zoom) for virtual training and networking activities and dissemination of information to her members. The forum in collaboration with the NIQS’ IT department deployed technological skill utilised for livestreaming workshop and seminar via YouTube channels, Facebook and Twitter. The storage of knowledge on the web is easily accessible to members globally during and after the events. The activities of the forum have led to the growing trajectory of the registered members of NIQS and has created platform for intending members to participate actively in NIQS’s activities at the chapter and National level. Also, the knowledge capacity of young Quantity Surveyors has greatly increased and eagerness to learn recent technological advancement tools has improved tremendously, series of job recruitment offers are shared by networks of members who has found a new family in the forum.

African Young Quantity Surveyors from different countries have had the privilege to attend international workshops and quite appreciate the deliberate intention of the Institutes of Quantity Surveyors across Africa for providing the platform but more effort need to be deployed toward the establishment of Africa Association of Quantity Surveyors Young Quantity Surveyors Forum/Network/Group. The Young Quantity Surveyors arm of the Pacific Association of Quantity Surveyors (PAQS) and the FIG Young Surveyors Network (FIG/YSN) are formidable international organisations with a great model that can be adopted for the integration and networking amongst Young Quantity Surveyors across Africa.
WHY IS AUSTRALIA’S BUILDING INDUSTRY FAILING?

Alas! The Rich also cry!
Evidently, even countries that we apparently look up to have their share of problems as explained by Andrew Heaton below.

Andrew is an established writer in the building and construction industry. And the article is sourced from the World Wide Web to help the African fraternity feel connected to the world.

On February 4, residents of the NEO 2000 tower in Melbourne were forced to evacuate after cladding similar to that used on London’s Grenfell Tower caused fire which started on the 22nd floor to spread to the 27th floor.

Six weeks earlier, residents of Sydney’s Opal Tower were forced to evacuate after hearing cracking sounds including a loud bang.

These incidents underscore problems which have affected the quality and safety of building work in Australia for years. In 2012, a major survey of apartment owners undertaken by the University of New South Wales found that 85 percent of owners of apartments constructed between 2000 and 2012 had experienced defects such as leaks, cracking and water penetration from outside.

What’s going wrong?

When it comes to building, Australia has a good start. It has a nationally consistent building code (the NCC) set by the Australian Building Codes Board (ABCBB) and which references more than 100 technical standards produced by Standards Australia.

Despite some criticism, both the Code itself and the standards it references are broadly considered to be robust. Likewise, both the ABCB and Standards Australia are mostly well regarded.
In commercial real estate, office buildings are typically placed in one of three categories: class A, class B, or class C. Each category delineates a different level of price, quality, and amenities. However, since real estate quality varies greatly from place to place, A, B, and C classifications are subjective. As a result, they are based on what’s available in a specific, local area. For example, a Class A building in a mid-size city or suburban area might be a Class B building in a larger, urban market.

Having said that, Class A office space comprises the newest and most state-of-the-art office buildings in the area. For example, most new high-rises in any city’s financial district are considered Class A properties. These buildings usually have high-quality construction, great location, top-notch management and lots of visual appeal, a high parking ratio, state-of-the-art HVAC systems, the latest in security and communications systems, and best-in-class amenities (such as cafes, beautiful lobbies, valet service, etc.).

Class A buildings are also typically quite energy efficient. These buildings occupy the highest-price range in the area, and are often occupied by prestige clients such as well-known law firms and banks. Because of this, Class A buildings are the most expensive, and often offer rents significantly above the area’s market average.

Here is a glimpse of the Unit Construction rates in various countries

<table>
<thead>
<tr>
<th>Country</th>
<th>Unit Construction Rate (USD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kenya</td>
<td>USD 800</td>
</tr>
<tr>
<td>Zambia</td>
<td>USD 1500</td>
</tr>
<tr>
<td>USA</td>
<td>USD 5000</td>
</tr>
<tr>
<td>Dubai</td>
<td>USD 2000</td>
</tr>
</tbody>
</table>

Another issue is imported products. Rightly so, Australia maintains an open stance on international trade. Yet in construction, products made elsewhere can create challenges here. Steel imported from overseas can create problems during welding where its carbon content differs from that of Australian made steel and welding rods which are designed for local products are used rather than rods which are needed for the imported material. Imported glass which has different chemical compositions to its locally produced counterpart may not survive Australian conditions.

Finally, in some areas, lack of awareness about standards and requirements is a concern. Take, for example, waterproofing and the laying of ceramic tiles. Whilst there is an Australian standard for waterproofing, some commentators talk of insufficient emphasis during training about both the standard itself and the need for waterproofing detailing.
TO ATTAIN KNOWLEDGE, ADD THINGS EVERYDAY …

Why Use Block Chain In Construction Sector (IQSK Kenya)

- To Increase Efficiency, and Productivity
- Reduction of Operational Costs
- Increases Transparency, Corruption and Reduces Disputes

Factors Influencing Construction Costs (ZIQS, Lusaka Zambia)

- The Type of Contract
- Nature of Client
- Nature of Project
- Location of Project
- Quality of Documentation

A presentation by Chris Fernandez, CEO of Block Gemini from the UAE

Excerpts from a presentation from Qs Henry Ngulube, a Contractor in Zambia
YQSF Technical Site Visit To The Construction Of Lagos-Ibadan Expressway Road Project

AAQS Exco Meeting in Lusaka, Zambia - March 2019

AAQS Excom during Seeing Visits in Lusaka, Zambia
Prime objective

To unite national bodies of quantity surveyors on the African continent on a democratic basis and to foster co-operative, intellectual, cultural, educational and scientific ties among such bodies

Achievements to date

In spite of the constraints of limited resources, the AAQS has nevertheless achieved the setting up of the following:

- A constitution with by-laws (revised in 2014)
- A mission statement
- A code of conduct
- An active web page (www.aaqs.org)
- Model documentation for use in Africa:
  - Publication of pricing data for the various countries where the AAQS has Institution Members (an ongoing process)
  - The PROCSA generic client / consultant professional services agreement (prepared in collaboration with other bodies)
  - The AAQS has adopted the SAPOA method for measuring floor areas in buildings, but only in respect of the definition of rental and sales areas
  - Samples of present items of financial viability reports (Acknowledgement: Viable Computing)
  - Model tender/contract document for FIDIC red book 1999
  - Model preliminaries bill for FIDIC red book 1999
  - Agreement on the use of FIDIC conditions of contract or the various local building agreements
  - Document entitled: Organising an AAQS meeting and associated seminar/congress
- Recognition by quantity surveyors throughout the member countries of AAQS
- In recent years AAQS meetings and associated seminars / congresses have been held in Johannesburg, Cape Town and Durban (South Africa), Abuja and Calabar (Nigeria), Nairobi and Mombasa (Kenya), Windhoek (Namibia), Mauritius, Accra (Ghana), Maputo (Mozambique), Dar es Salaam (Tanzania), Kampala (Uganda), Gaborone (Botswana), Mangochi (Malawi), Mbabane (Swaziland), Banjul (The Gambia), Livingstone (Zambia), Maseru (Lesotho) and Kigali (Rwanda)
- A regular newsletter
- Institution Membership as well as Practice Membership
EVENTS

WABER 2019 CONFERENCE
10th Anniversary Conference | 2009 – 2019

Date: 5-7 August 2019
Venue: Ghana Academy of Arts and Sciences, Accra, Ghana

SPEAKERS

Prof Roger Flanagan, DSc, PhD, MSc, FIOst, FICE, TPICI, University of Reading
Prof Olatuola Lade, PhD, MBA, PhD, WRCA, Ag. Dir., Manchester School of Architecture
Prof MG. Mbonkent, PhD, FPIQ, FISS, WIMAC, MIEC, FCEPM, University of South Africa
Prof Jason Shaw, PhD, Editor of Academy of Management Journal, Nanyang Business School, Singapore

The WABER conference is a leading conference on the African continent which brings together people in the built environment field for knowledge, interaction and researcher development. Leading academics and researchers present their work and receive constructive feedback from a panel of experienced academics and peer review at development workshops. Our next Conference will be held in Accra, Ghana from 5th to 7th August 2018. This is a special 10th anniversary conference and we are calling for insightful papers on all themes connected with the built environment, particularly the following themes:

Themes

- Affordable housing models and solutions in developing countries
- Academy of project costs and how to bring down the cost of construction
- Appropriate design of buildings and infrastructure in tropical regions
- Built environment education and human resource development
- Civil and water engineering technology and innovation in developing countries
- Construction and project management approaches and issues in developing countries
- Construction industry development and leadership in developing countries
- Construction law and contracts
- Development and use of alternative local building materials
- Development of lean, green and sustainable standards for infrastructure procurement and construction
- Digital construction and use of technologies like BIM
- Economic theory and construction in developing countries
- Financial management
- Government policy on infrastructure procurement and construction
- International firms in the African construction market
- Issues affecting independent firms operating in the construction industry
- Land, Management, Real estate, Property development and facilities management
- People and safety in the Construction industry
- Project Finance & Public Private Partnerships (PPP)

WABER 2019 CONFERENCE
10th Anniversary Conference | 2009 – 2019 | Join us and be at the forefront of knowledge

EDITORIAL TEAM

Qs Jennifer Musyimi
Chair of Newsletter & Website Committee

Clarissa Walters
AAQs Secretariat

The road to success is always under construction.