



# NEWSLETTER - GAMA YPF

GROUP OF AFRICAN MEMBER ASSOCIATIONS – YOUNG PROFESSIONAL'S FORUM PUBLICATION



What will you be remembered for?

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GAMA – Young Professionals Forum



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@GAMA\_YPs



## MESSAGE FROM THE CHAIR, Jeshika Ramchund-Moonsamy (SA):



We are bombarded by the scenes of the power of collective action in the current social, political and economic landscapes. A collective voice, is one that can bring **positive change** or disarray, leaving in its wake, a trail of destruction with irreparable damage. The role of business organizations and learned societies in the engineering profession, is of critical importance in the context of professional development and for the sustainability of our profession. Never have we been challenged to prove our relevance to our clients, business, membership, unemployed but qualified graduates and the society that we serve, than now.

We have the power to decide on how we are remembered for our contribution (or not!) to enhancing the role of consulting engineers, for optimizing the impact of infrastructure development and improving the quality of life of those that our work sets out to benefit.

GAMA YPF depends on the time and effort of YP volunteers to achieve our objectives. In order to be the change we want to see in our profession, it is imperative that we look beyond our immediate circumstances and give back to our communities through social initiatives, to young graduates through meaningful mentorship and training, and to the industry and our profession through business organizations and learned societies. The effectiveness of forums such as GAMA YPF relies on the optimum functioning of our committees and dedication of our office bearers and members.

In doing so, we can unpack some of the long-term issues that we have identified as critical to the consulting engineering industry including:

- Highlighting the pivotal role played by consulting engineers in shaping the world and positively impacting every facet of life for all communities;
- Impact of the tendering environment and cost cutting on capacity building, training and employment of graduates;
- Transformation and sustainability of an inclusive profession;
- Unlocking entrepreneurial opportunities;

As we immerse ourselves into 2018, the GAMA YPF looks forward to a new chapter with more positive change and innovation. We encourage you to get involved, stand up, make a difference. I leave you with an Engineer's rule to live by:

*"Make visible what, without you, might perhaps never have been seen"* Robert Bresson

WHAT WILL YOU BE  
REMEMBERED FOR?

## GAMA YPF STEERING COMMITTEE



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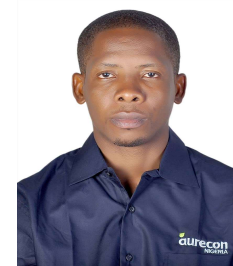
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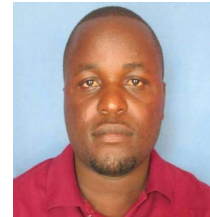
**GAMA YPF STEERING COMMITTEE**



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# The GAMA YP Perspective

## FIDIC GAMA CONFERENCE 2017, CAPE TOWN SOUTH AFRICA



### Stories from Table Mountain

By: Harold M. Chibwe (GAMA YPFSC Vice Chair - Zambia )

**Cape Town** is a coastal city in South Africa. It is the second-most populous urban area in South Africa after Johannesburg .It is also the capital and primate city of the Western Cape province. As the seat of the Parliament of South Africa, it is also the legislative capital of the country. The city is famous for its harbour, for its natural setting in the Cape Floristic Region, and for such well-known landmarks as **Table Mountain** and Cape Point.

The 2017 FIDIC – GAMA Conference on Infrastructure was held in Cape Town from 7 - 10 May at the Cape Town International Conference Centre . The FIDIC - GAMA conference brought YP's from all over Africa to interact in one place.

In the spectrum of the Young Professionals, it presented excellent opportunities to interact with other fellow young professionals who are determined to make a difference.

The Conference theme was “ African Partnership for Sustainable Growth” The Conference saw influential people make various presentations on a broad range of topics in line with the theme.

Some Key Features during the Conference included

- The First ever YP Congress was held successfully
- Gama Secretariat moved from Tanzania to Kenya
- “Partnerships are needed if Sustainable Growth in the Infrastructure sector be realized in Africa.”

*The 2018 FIDIC-GAMA Conference will be held in Bamako Mali.  
We can't wait to see you there. See You One, See You All!!!*



# The GAMA YP Perspective

## FIDIC GAMA CONFERENCE 2017, CAPE TOWN SOUTH AFRICA

### *The Inside Scoop*

#### YP Technical Tour

At the late afternoon, YPs' activities started with a technical tour of the Transport Management Centre. The Tour highlighted how the centre town manages traffic and is able to respond to respond to road traffic accidents by engaging various stakeholders.



**Dinner and Awards Ceremony:** Delegates were treated To a glamorous dinner spiced with local songs and dances. The event was a color one with delegates equally showcasing their traditional African attire.





## Getting to Know to Us...

### *Gama YPFSC Members*

**Name:** Pauline Phiri

**Born:** 1988 Vienna, Austria.

**Nationality:** Zambian



**Education:** In 2013, Pauline received the BEng. degree in Civil and Environmental Engineering from the University of Zambia. She is currently pursuing a MEng. degree in Construction Management at the University of Zambia. She has also partaken in several professional and technical training courses.

**Professional Career/Other Affiliations:** Pauline works at an infrastructure development consultancy firm where she began as a Graduate Engineer and progressed to be an Assistant Design Engineer. Within the firm she has been involved in a number of projects ranging from planning, design, supervision and management.

Pauline is a member of the Engineering Institution of Zambia as well as Association of Consulting Engineers Zambia Young Professional Forum. She is an advocate for the active participation of young professionals in engineering research and innovation for the betterment of society.

**Name:** Erick Humbulani Mulaudzi

**Born :** 1984 Venda, South Africa.

**Nationality:** South African



**Education:** Erick received an Honours degree in Transport Economics from the University of Johannesburg, South Africa as well as an undergraduate degree in Transport Economics from the NorthWest University in Mafikeng, South Africa in 2008 and 2005 respectively.

**Professional Career/Other Affiliations:** In 2006, Erick joined the Council of Scientific and Industrial Research (CSIR) as a research intern for the Logistics and Statistical Research where he attained extensive experience in research. While at the CSIR, one of his achievement was being a contributing research assistant for the fourth annual state of logistics survey for South Africa in 2007. In 2007, he joined Namela Projects as a Transport Economist, a position he held for just under a year before moving to Ingerop where he worked as a Junior Transport Planner and spent almost two years. In 2010, Erick joined UWP Consulting as a Tender Administrator/Business Development Administrator until he left in 2013 for GIBB. In 2014, Erick rejoined UWP Consulting where he is currently a Principal responsible for the Tender Division as well as Business Development in Africa.

Erick is currently the President of Consulting Engineers South Africa (CESA)'s South Gauteng branch responsible for coordinating Young Professionals activities in the branch with a team of other volunteers. He is also a member of UWP Toastmasters where he is a Sargent at Arms (SAA). He is married to Johanna Mulaudzi and together have two kids.





## Getting to Know to Us...

### *Gama YPFSC Members*

**Name:** Haastrup Adebuseyimi

**Born:** 1990 Lagos, Nigeria.

**Education:** Haastrup obtained a diploma in Mechanical Engineering from the University of Lagos in 2007 where he finished as the best student with a CGPA of 4.87/5.00. He went on to obtain a BSc in Mechanical Engineering from the University of Lagos in 2011.

**Professional Career:** Haastrup began his consultancy practice immediately after graduation with K.O.A Consultants Limited and joined C.A Consultants Limited in July, 2013 as an Air-Conditioning Engineer where he has been involved in the design, supervision during construction and specification of Air-Conditioning systems. With his knowledge of B.I.M, he has been involved in training of several engineering firms. He became a member of the Nigerian Society of Engineers in 2017. He currently lives in Lagos, Nigeria.



**Name:** Kennedy Mwangi Kiunga

**Born:** 1988 Nairobi, Kenya.

**Education:** Ken received his B.Eng. (Hons) degree in Civil Engineering from the University of Nottingham, U.K. and is currently pursuing a Master's Degree in project Management at Kenyatta University, Kenya.

**Professional Career/Other Affiliations:** Ken is a design engineer with Atkins (a member of the SNC-Lavalin Group) with over 5 years' experience in roads and infrastructure projects in Kenya and Tanzania. He has also been involved in providing technical expertise and carrying out feasibility studies for various projects, detailed engineering design, preparation of tender Documentation and Administration, Road Safety, Site Management and Contract administration, Supervision and Monitoring, Technical Quality Control and Audits for infrastructure development and rehabilitation projects related to rural and urban roads.

Ken is the current chair of the ACEK YPF (Association of Consulting Engineers Kenya, Young Professionals Forum). He is also a member of the GAMA YPFSC (GAMA Young Professionals' Steering Committee) and has served in the social media subcommittee together with the newsletter subcommittee with a passion for all things tech.

In addition, he is a member of the Engineers Board of Kenya (EBK), Institution of Engineers of Kenya (IEK) and the Institution of Civil Engineers (ICE) U.K. He is also an avid sports and outdoor enthusiast.





## Getting to Know to Us...

### *Gama YPFSC Members*

**Name: Sasha Tembo Mercy**

**Born: 1992, Zambia.**



**Education:** Mercy is a Civil Engineer specialized in Structural and Industrial Engineer with BCHOD Consulting Engineers, makeup artist and entrepreneur. Am also part of the Young Professional Forum under the Association of Consulting Engineers in Zambia as well as FIDIC-GAMA YPFSC. .

**Professional Experience/ Advice:** Throughout the years Mercy nurtured and developed a passion to contributed and promote a positive change in the profession. She admits the journey hasn't been easy, it presented its own challenges but nothing that you can't gain ground on. For instance, when she first started work, the work environment was quiet intimidating as the industry is a male dominated and she often found it quite frustrating as just by virtue of her being female.

Her advice is to young girls Engineering will fascinate you to how great you can impact the world around you and really touch lives. It's one of the professions that constantly aims at improving the quality of life. Without Engineers the would be no clean water, sanitary facilities, electricity, safe structures we live in, roads, cars the list goes on.

So to all the young ones out there give engineering a chance because it the profession that keeps on giving and giving it's second to Mother Nature.

**Name: Amanda Mhkize**

**Born: 1985 Pinetown- Durban, South Africa.**



**Education:** Amanda completed a Project design and Draughting Diploma at the Academy of Advanced Technology in 2007. In the same year Amanda joined Transnet Projects as a Junior Draughts person. Whilst working she has studied for a National Diploma in Civil Engineering through the University of South Africa (UNISA).

**Professional Career/Other Affiliations:** Amanda is now employed at Mott MacDonald in the Water Division. Over the years she has gained design experience in earthworks, sewer, water, roads and civils. She has knowledge in the provision of services to urban township developments and further experience in construction monitoring as the Lenders Technical Advisor.

Amanda also serves on Mott MacDonald's Young Professionals Africa Steering Committee. She has been an active member of the Consulting Engineers South Africa (CESA) Young Professional's Forum since 2008 serving on the KZN regional committee. Amanda is currently the National Chairperson of CESA YPF.





## Burning Issue

**NOTE:** Please note that the articles under this segment do not necessarily represent the views of GAMA YPF

To contribute articles for this section please contact the editor on:  
[hstonehuge.kma@gmail.com](mailto:hstonehuge.kma@gmail.com)

By: Dennis Okello  
(Uganda)

### *Engineers: The Custodians of a Dynamic World*

Engineers have a collective responsibility to improve the lives of people around the world.

The world is becoming a place in which the human population which now numbers close to eight billion is becoming more crowded, more consuming, more polluting, more connected, and in many ways less diverse than at any time in history. There is a growing recognition that humans are altering the Earth's natural systems at all scales, from local to global, at an unprecedented rate, changes that can only be compared to events that marked the great transitions in the geobiological eras of Earth's history.

The question now arises whether it is possible to satisfy the needs of a population that is growing exponentially while preserving the carrying capacity of our ecosystems and biological and cultural diversity. A related question is what should be done now and in the near future to ensure that the basic needs for water, sanitation, nutrition, health, safety, and meaningful work are fulfilled for all humans.

In the next two decades, almost two billion additional people are expected to populate the Earth, 95 percent of them in developing or underdeveloped countries. This growth will create unprecedented demands for energy, food, land, water, transportation, materials, waste disposal, earth moving, health care, environmental cleanup, telecommunication, and infrastructure. The role of engineers will be critical in fulfilling those demands at various scales, ranging from remote small communities to megacities, mostly in the developing world.

#### **If engineers are not ready to fulfill such demands, who will?**

Considering the problems facing our planet today and the problems expected to arise in the first half of the twenty-first century, the engineering profession must revisit its mindset and adopt a new mission statement - to contribute to the building of a more sustainable, stable, and equitable world "Sustainable development will be impossible without the full input by the engineering profession." For that to occur, engineers must adopt a completely different attitude toward natural and cultural systems and reconsider interactions between engineering disciplines and nontechnical fields.

For the past 150 years, engineering practice has been based on a paradigm of controlling nature rather than cooperating with nature. In the control-of-nature paradigm, humans and the natural world are divided, and humans adopt an oppositional, manipulative stance toward nature. Despite this reductionist view of natural systems, this approach has led to remarkable engineering achievements during the nineteenth and especially twentieth centuries. For instance, civil and environmental engineers have played a critical role in improving the condition of humankind on Earth by improving sanitation, developing water resources, and developing transportation systems. Ironically, these successes have unintentionally contributed to current problems by enabling population growth. Most engineering achievements of the past were developed without consideration for their social, economic, and environmental impacts on natural systems.

Engineers of the future must be trained to make intelligent decisions that protect and enhance the quality of life on Earth rather than endangering it. They must also make decisions in a professional environment in which they will have to interact with people from both technical and nontechnical disciplines. Preparing engineers to become facilitators of sustainable development, appropriate technology, and social and economic changes is one of the greatest challenges faced by the engineering profession today.

Engineers + Applied scientific analysis and holistic synthesis = Developed sustainable solutions + integrated social, environmental, cultural, and economic systems.

Creating a sustainable world that provides a safe, secure, healthy, productive, and sustainable life for all peoples should be a priority for the engineers; an obligation to meet the basic needs of all humans for water, sanitation, food, health, and energy, as well as to protect cultural and natural diversity. 'Improving the lives of the billions of the world's population whose main concern is staying alive each day is no longer an option; it is an obligation'.

Educating engineers to become facilitators of sustainable development, appropriate technology, and social and economic changes represents one of the greatest challenges faced by the engineering profession today. Meeting that challenge may provide a unique opportunity for renewing the leadership of engineering profession as we enter the twenty-first century.



Image reference: [www.Illinois.edu](http://www.Illinois.edu)

## *Start a Young Professionals Forum (YPF) in your country*

The vision of GAMA YPF is to provide a unified voice for young professionals throughout the Group of African Member Associations (GAMA) community through a variety of forums, events and communication mechanisms.

Membership is open to any engineer, planner or allied professional under the age of 40 and their firm is a member of GAMA. You will receive updates, newsletters and information on upcoming events such as conferences as well as activities from FIDIC and GAMA YPF Steering committees.

Find out if there is a YPF running in your country and become part of this dynamic group of Young Professionals by providing your contact details. This can be done through your country Member Association of GAMA. Alternatively you can contact us through our various social media platforms where the YPF Steering committee is always available to offer the necessary support.

For further enquiries, contact us on: [ramchundj@boschprojects.co.za](mailto:ramchundj@boschprojects.co.za) or visit our webpage at <http://fidic.org/node/7946>

## The power of giving back....

By Yolán Pillay – RHDHV & Past Chair – CESA YPF KZN – South Africa

A dream of the then CEO, Mr Naren Bhojaram of Royal HaskoningDHV (then SSI Engineers) of giving back to the less fortunate became reality when the Saturday School Initiative was launched in 2007. Ten years on and it is still successively in existence making a difference to hundreds of lives. Across South Africa, each of the major offices adopts a school and enrolls a class of 30 Grade 12 students that are studying Mathematics, Physical Science and Engineering & Graphic Design (EGD).



The classes take place every Saturday, tutoring the students in the 3 subjects to improve their marks so that they will be eligible to study at a tertiary institute with the hope that these students study towards an engineering qualification, if not then in one of the science programmes. The aim of the programme is not to replace the school lessons but to be of additional support to the students.

**So where does Royal HaskoningDHV employ their teachers from?** The teachers are from their very own pool of talent. Engineers from the organisation that have a flare for these subjects and mentoring are the tutors. This is to ensure that we Engineers actively transform our industry by allowing more students from previously disadvantaged areas and communities to be able to be part of the engineering industry and the development of South Africa. Majority of the teachers are young Engineers. Each School has an administrator that ensures each student is equipped with stationary, past examination papers, meals for the day and travel allowance for the students travelling far distances. During the year these students are also brought into the various offices to engage with the engineers and understand what an engineer does. Later on they are taken to nearby construction site to see how paper models and drawings become reality.

I was once a bursary student and now *Associate* at Royal HaskoningDHV, have been part of the programme for nine years. Having a passion for Mathematics and Science, this allows me to pass on my knowledge to the less privileged while encouraging them to study towards an engineering or science qualification. This initiative gives me a great sense of satisfaction knowing that the students go on to study in various fields from Engineering, Medicine, Teaching, and Accounting. Students that perform well are offered bursaries to study towards engineering at a reputable institute.

***In the 2017 examination the all students in this school achieved Bachelor Passes with 3 A's & 4 B's in Mathematics, 2 A's & 4 B's in Physical Science and 2 A's in EGD.***



## FIDIC GAMA 2018 – CONFERENCE ON INFRASTRUCTURE

This year Mali plays host to the FIDIC-GAMA conference. Mali officially the Republic of Mali is a landlocked country in West Africa, a region geologically identified with the West African Craton. Mali is the eighth-largest country in Africa, with an area of just over 1,240,000 square kilometers. The population of Mali is 18 million. Its capital is Bamako. Mali consists of eight regions and its borders on the north reach deep into the middle of the Sahara Desert, while the country's southern part, where the majority of inhabitants live, features the Niger and Senegal rivers.

Touring Mali opens to a wide variety of tourist attractions that range from the stunning geographical sceneries to the historic sites. The Great Mosque is one of the tourist attraction that is more than a century old. The mosque was constructed using mud as the main material for its existence. It is a huge mosque consisting of three towers and five stories.

We can't wait to see you in Mali! Register for the conference at: <https://www.fidic-gama2018.com/>



## WHO'S CHIRPING?

Our most recent favourite Tweets

Tweets Tweets & replies Media Likes



**Fidic-Gama2018** @oicmali · 22h  
Is the role of [#engineers](#) or [#consultingengineers](#) embraced in [@\\_AfricanUnion](#) [#Agenda2063](#) - strategic framework for the socio-economic transformation, growth and sustainable development in Africa?  
[@FIDIC](#) [au.int/en/agenda2063](#)

Yes

Unsure

No

4 votes • 6 days 1 hour left



3

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What are  
YOU  
Tweeting?



GAMA YPF retweeted



**EngineeringtheFUTURE** ... · 26 Sep 16  
[@The\\_CESA](#) - Please choose the most appropriate topic for [#FIDIC\\_GAMA2017](#) - 24th Annual FIDIC-GAMA Conference in Cape Town  
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Infrastructure Delivery 0%

Procurement 0%

**Partnerships / Capacity 100%**

Sustainability 0%

3 votes • Final results

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