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MESSAGE FROM THE
FIDIC-GAMA 2017 LOC CHAIR

Abe Thela

A warm and special welcome to the 24th annual FIDIC-GAMA Conference. Sanibonani!

Through this conference, we would like to engage with all of you in an open and constructive dialogue under the theme: “African Partnerships for Sustainable Growth”. Partnerships to facilitate infrastructure development across borders are crucial to sustainable growth and development of our Consulting Engineering practices as well as in integrating our regions.

“When you look at the challenges and opportunities that Africa faces, it is very clear that these challenges cannot be addressed and resolved by any single entity or by any single organisation. What we have realised over the years is that partnerships between government, civil society, and the private sector are critical to addressing the many challenges that we face.” – Nathan Kalumbu, president for Eurasia and Africa group of Coca-Cola Company

In our midst, we have a range of engineering expertise from across Africa and the rest of the world and representatives from various Government client bodies in South Africa. Over the years, the FIDIC-GAMA conference has grown from strength to strength and this time it promises to be even better than the one CESA hosted in Durban in 2009.

The primary aim of the Conference is to address some of the problems associated with Africa’s infrastructure under-development inter alia owing to lack of investments, maintenance and replacement. This is to be achieved through the initiation of dialogue and partnership among conference participants; with the strategic intent of sharing and implementing best practices in a sustainable manner.

In order to address underdevelopment, keynote speakers will be deliberating on issues pertaining to improving connectivity of ports, airports, national roads, water and energy, as catalysts of sustainable growth and development of countries across the continent, starting with 16 GAMA countries. Besides establishing a platform for speakers to present perspectives for establishing broader partnerships with infrastructure owners and governments across the Continent, the Conference will provide opportunities for investors and funding agencies to give insight into the various models and opportunities available as catalysts for infrastructure investment.

I wish you good deliberations, open and constructive engagement as we dissect some of the pertinent issues bedevilling the Consulting Engineering fraternity, so that we can devise a plan of action as problem solvers and come up with the best efficient and cost effective solutions to enhance the quality of life and interpret the environment.

Abe Thela, FIDIC-GAMA 2017 LOC Chair
Distinguished delegates and invited guests, I am delighted to welcome you all to the 2017 FIDIC-GAMA Conference being held here in beautiful Cape Town, South Africa. The theme for this year’s conference is “African Partnerships for Sustainable Growth”.

The choice of this theme is to further GAMA’s overarching goal of promoting the consulting engineering industry in Africa.

Fellow participants, advances in engineering and technology have transformed the world we live in, contributing significantly to longer life expectancy and enhanced quality of life. However, a sizable part of Africa has not benefitted from improved healthcare, energy supply, transportation, communication, water-supply, sanitation, etc. These shortcomings indicate the deficiency in infrastructure development needed on the continent.

Infrastructure development projects which increasingly involve multidisciplinary approach to their solutions, rely heavily on the consulting engineering industry. If the continent is to make significant strides on its development agenda, it is necessary for Africa’s indigenous consulting engineering firms to rise to the challenge.

Currently, no single country in Africa has the right number, and/or strength of indigenous consulting firms to undertake the multiplicity of infrastructure development projects being executed on the continent. To meet the challenge, consulting firms must form intra and inter-regional partnerships to efficiently and effectively use human capital spread over the continent. Such collaboration would overcome difficulties and complications associated with project identification, funding and implementation.

It is my expectation that creating an environment to share ideas and effectively network during this conference will lead to modest steps towards our desired goal of promoting “African Partnerships for Sustainable Growth”.

Fellow participants, on behalf of GAMA EXCO and GAMA members, I wish to express sincere gratitude to Consulting Engineers South Africa for the tremendous effort made in organizing this conference.

**Ing. Kofi Asare-Yeboah, GAMA Chair**
MESSAGE FROM THE CESA PRESIDENT
Mrs Lynne Pretorius

A warm CESA welcome to all of you to South Africa, Cape Town to be precise, at the foot of Africa. On behalf of all consulting engineers in South Africa, I welcome you to this occasion.

CESA is honoured to host such representation from Africa. We have in our midst presentation from 17 countries across Africa, represented by over 250 delegates. Furthermore, a warm welcome to all South Africans present, representing consulting engineering firms, the public sector and other professional organisations.

We meet at a time when the environment in which we are conducting our business is extremely challenging. South Africa has its own economic challenges currently, along with various social and political dynamics. These are all mirrored to some extent in the rest of Africa, as well as in the rest of the world, developed and developing countries alike. With global changes afoot, it is clear that the world as we know it, the consulting engineering environment as we know it, is changing. Within this dynamic environment, CESA remains resilient and relevant in enabling Consulting Engineering Excellence in SA, the SADC bloc and further across our borders.

In the past, and going forward, CESA has, and continues to establish secure and strategic alliances with voluntary associations representing the built environment professions and business organisations. With like-minded organisations we strive to bring out quality infrastructure development in our respective countries.

Infrastructure development in Africa and South Africa specifically, is critical in bringing about the social development and economic growth that is so necessary in Africa. The 24th annual FIDIC-GAMA Conference provides us all, as role players the opportunity to interrogate the challenges and opportunities in our sector and our region and to explore strategic partnerships going forward. Importantly explore partnerships with those role players with whom we share similar values and who will assist in furthering our strategic objectives.

We share a similar vision. CESA is committed to quality infrastructure delivery in SA and Africa and is seeking partnerships to further this goal.

Partnerships between the International Federation of Consulting Engineers or FIDIC and its Member Associations and the regional group, GAMA will ensure quality and uniformity in the practice of consulting engineering and will create a conducive business environment for working within Africa.

It is within this spirit that the 24th FIDIC GAMA conference is being hosted. This is an opportunity for all professionals involved in the built environment to learn from another, build professional networks, further common goals and identify business opportunities.

I wish you constructive engagements and deliberations, as we interrogate the issues and challenges facing our consulting engineering sector. Let us find workable plans as we think and development innovative solutions to improve the quality of the lives of the people in our respective countries.

Mrs Lynne Pretorius, CESA President
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#FIDIC_GAMA2017  |  fidic-gama2017@org.za
ABOUT GAMA

FIDIC consulting engineering member associations are grouped by regions. In Africa the Group is known as GAMA or Group of African Member Associations.

Established more than two decades ago, GAMA has been growing steadily. Membership now stands at 16 national member associations. To ensure growth, GAMA Executive Committee (ExCo) has formed a Working Committee, the Growth Committee, whose main objective is to promote FIDIC and GAMA with a view to increasing GAMA Membership. The ExCo has four other committees namely:

- Communication and Conferences
- Standards;
- Capacity building; and
- Integrity, Ethics and Professional Practice.

Joining GAMA has its benefits. Under globalization one cannot stand alone and expect to survive. Projects are becoming complex thus requiring multidisciplinary approach through partnering, joint ventures, etc. Through GAMA, one can easily access job opportunities across borders. Some of the benefits are:

1) Networking at forums organized by GAMA
2) Enhanced opportunities for business contracts and partnering.
3) GAMA Secretariat serving as a central information Centre
4) Coordinated capacity building programmes.

Major activities of GAMA include the holding of annual FIDIC-GAMA Conferences. Over the years, number of delegates attending these conferences has been increasing and quality of presentations comparable to any major international engineering conference.

GAMA is marching forward with confidence and its future, is indeed, bright.

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About CESA

CESA is “Your Partner in Enabling Consulting Engineering Excellence”

Consulting Engineers South Africa (CESA) is a voluntary association and represents for its members a body that promotes their joint interests and because of its standing, provides quality assurance for clients. Over 540 firms employing over 24,300 staff are members of CESA; these member firms range from large, multinational, multidisciplinary suppliers of a comprehensive range of planning, design and project delivery services, to many small- to medium-sized firms that tend to specialise in selected areas of the project delivery process.

Mission Statement:

CESA is committed to the promotion of excellence in the consulting engineering industry on behalf of its members and stakeholders. Through its members, CESA seeks to continuously improve the quality of life of people by interpreting the environment and pioneering change in partnering with all key stakeholders. In so doing, CESA strives to enhance the industry and provide a credible impact on all South Africans.

Key Focus Areas:

CESA has identified the following strategic direction for the future of the organisation:

- To drive Sustainable Transformation
- To maintain standards of Professionalism and Quality Management
- Provide Business Support to Members and Clients with emphasis on Procurement
- Build Partnerships with Government and other Stakeholders
- Ensure that good Governance and Integrity prevail within the industry and profession
- Create an awareness among consulting engineers of issues affecting the industry

Cesa Initiatives

For more information general@cesa.co.za or visit www.cesa.co.za/
ABOUT THE CONFERENCE

FIDIC-GAMA 2017: PREVIOUS HOSTS

- 2016 – Morocco
- 2015 – Ghana
- 2014 – Mozambique
- 2013 – Sudan
- 2012 – Zambia

FIDIC-GAMA 2017: TOPICS

- African Partnerships for Sustainable Growth
- Infrastructure Funding and Investments in Africa
- Contractual Relationship in Engineering – Partnerships
- Infrastructure and Socio-Economic Development
- Engineering Services
- Engineering Skills Development
- Connecting Infrastructure : Water and Energy
- Connecting African Communities – Transport Infrastructure
Pendo Energy Solutions
Value through solutions

AN OVERVIEW

Pendo seeks to provide energy solutions to national and international markets, with a specific focus on turnkey solutions.

We specialise in the design and project management of the following disciplines:
- Renewable Energy
- Substations
- Power Lines
- Cable Networks
- Building Services
- Housing Projects

Pendo is a proudly South African company led by professional engineers and technologists who are considered by the Engineering Fraternity to be industry leaders with regards to technical capability and innovation.

Pendo is the Latin word for ‘Value’, and we believe that value must be added in everything we do by supplying our clients with innovative and creative energy solutions. This is supported by proud strategic partnerships with top players in the industry. As leaders in the field of complete engineering solutions, Pendo has extensive experience in the design and execution of large-scale energy related projects.

We believe that by adding value to everything we are involved in, we will continue to build long-term business relationships and exceed clients’ expectations with our world-class engineering capability.

OUR MISSION

Our mission is to always add maximum value to our customers and business partners by providing innovative and technically superior solutions.

OUR VISION

Our vision is to become the turnkey energy solution provider of choice by growing a company with an innovative culture and renowned technical expertise.

OUR WINNING CULTURE

We support our vision by taking ownership of our commitments.

COMPANY PROFILE

OUR VALUES

Our team shares a common value system to ensure continuous excellence and success.

We commit ourselves to:
- Acting with integrity
- Being dedicated to our valued clients
- Honouring our commitments
- Delivering quality workmanship
- Empowering our strategic partners
- Investing in continuous development
- Achieving success as a team

OUR OFFERING

We currently offer the following core services:
- Engineering Designs
- Program Management
- Project Management

The above services are rendered in the following areas:
- Renewable Energy
- Energy Efficiency & Demand Side Management (EEDSM)
- Electrification (overhead & underground)
- Reticulation (overhead & underground)
- Distribution (overhead & underground)
- Master Planning
- Transmission

We have an in-depth knowledge of all the facets of our business, including:
- Social Requirements
- Economic Limitations
- Energy Codes of Practice
- Electrical Utility Processes
- Design & Implementation of Engineering Infrastructure
- Procurement & Logistics
- Applicable Technology & Standards

We assist a number of historically disadvantaged service providers, contractors and sub-contractors to whom we provide ongoing mentorship.

We are able to complete designs and implement projects within a historically disadvantaged environment to a world-class standard.

CONTACT

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DR MELISSA ADENDORFF – Lecturer Boston Media House

Dr Melissa Adendorff’s research focus is socio-spatial profiling, based on vulnerability assessments, social othering, and bodily spatiality. These interests are practically applied in terms of social impact assessments, socio-spatial analyses, and socio-economic assessment of infrastructure implementation. She is currently employed as a lecturer Boston Media House focusing on representational theory and applied linguistics, returning to academia after industry experience as a project consultant for SMEC South Africa’s Water and Environment Division. Dr Adendorff is focused on interdisciplinary collaborative research in theoretical and practical application, both in practise and in the academy.

ING F. KOFI ASARE-YEBOAH – GAMA Chair and Chairman: Associated Consultants Ltd

Ing F. Kofi Asare-Yeboah is the Chairman of the Board of Directors of Associated Consultants Limited. He was previously the Chief Executive of the company and earlier worked as a professional engineer at A. M. Kinney Inc., Cincinnati, USA.

Ing Asare-Yeboah holds a BSc. in Civil Engineering (KNUST, Kumasi, Ghana 1969) and MSc in Structures (University of Cincinnati, USA 1975). He has been a participant in several seminars and workshops in consulting engineering practice involving project management, negotiation, mediation, arbitration and ethical business practice.

He has considerable work experience in the design and management of civil engineering projects in Ghana, West Africa and U.S.A

In his professional career also, Ing Asare-Yeboah has held several prominent positions including:

- Fellow and Past President of the Ghana Institution of Engineers
- Past Chairman of Ghana Consulting Engineers Association

He is the current Chairman of GAMA.

Ing Asare-Yeboah has led Ghana’s delegations to numerous engineering conferences such as WFEO, FIDIC, GAMA and ASCE and has been a speaker at some of these meetings.
CHRIS BALOYI – Managing Director: Bosch Capital

Chris has 20 years of work experience in the financial services industry, most of which was spent in investment banking and development finance. His depth of experience covers mergers and acquisitions and project and infrastructure finance across various sectors in South Africa and Africa. In addition to work done in the private sector, Chris has also worked with public sector clients in South Africa (e.g. utilities, municipalities, and State Departments including National Treasury, Department of Water and Sanitation, Department of Energy and provincial departments) and various governmental ministries in Africa – as such he has a balanced view of project development and financing.

He is a Chartered Accountant by profession, and is also a Master of Commerce in Financial Management.

Chris has a proven track record of consistent performance and leading people. He has a passion for the development of Africa and its people and is involved in local volunteer activities for the empowerment of underprivileged children and communities.

FATIMA COLLINS – Senior Socioeconomic Development Principal: Bigen Africa

Fatima Collins holds a Master’s degree in Business Administration (MBA) from the Graduate School of Business, UCT. She is currently employed as the senior socioeconomic development principal at Bigen Africa Service. Over her 20-year career, Fatima has worked across various industries in four countries. Her experience includes renewable energy for a World Bank project at the DBSA, corporate banking in Mumbai and socio-economic strategy and design.

In her current role, Fatima seeks to ensure that infrastructure development is a key driver for sustainable social and economic development.
DR JAMES CULLIS AURECON – Technical Director and
Global Service Group Leader for Water: Aurecon

Dr James Cullis is a registered professional engineer with a PhD in Civil and Environmental Engineering from the University of Colorado, an MSc in Environmental Change and Management, and an MA in Politics Philosophy and Economics from Oxford University. Dr Cullis is a technical director in the water group of Aurecon and is the Global Service Group Leader for Water. Dr Cullis has a broad range of experience of water resources, engineering and climate change related studies, particularly in Africa, including water resources planning, hydrology and hydrological modelling, climate change impacts and adaptation, infrastructure feasibility studies and preliminary design. He is particularly interested in water security and climate resilience, particularly in Africa the water energy food nexus, environmental flow requirements and realising the true economic value of water.

HUBERT DANSO – Chief Executive Officer and Vice Chairman, Africa Investor

Hubert is Chief Executive Officer and Vice Chairman of Africa Investor (Ai) Group. He is responsible for advising institutional investors, sovereign wealth funds, pension funds, governments and development finance institutions on major infrastructure, resources and private equity investments in Africa. He is also the Managing Editor of Africa Investor magazine.

Hubert established Africa investor in 2002, after leaving the International Chamber of Commerce (ICC) in Paris, where he was the Senior Adviser for African Affairs, responsible for Advising the world’s largest corporations and institutional investors on investments in Africa. He holds an LLB in Business Law and an LL.M Masters in International Commercial Law from the University of Sussex in England.

Hubert was instrumental in establishing the NEPAD Business Group and is a member of the OECD-NEPAD Investment Initiative Steering Committee, the African Development Bank-NEPAD Infrastructure Project Preparation Fund Oversight Committee, the UNEP Finance Initiative African Task Force, the UN Business Committee on Financing for Development and a Reviewer of The Africa Competitiveness Report published by The World Bank, World Economic Forum and the African Development Bank. Hubert is also a member of the Junior Achievement Worldwide Board.
PATRICIA DE LILLE – Executive Mayor: City of Cape Town

Patricia de Lille was elected as the Executive Mayor of Cape Town in 2011 and become the first Mayor to serve a full five-year term in the democratic dispensation since 1994.

Mayor De Lille was re-elected for a second term in August 2016 with a two-thirds majority.

Under her leadership, Cape Town is widely been regarded as the best-run metro in South Africa and has received close to 90 international awards including taking the top spot on the prestigious New York Times’ list of 52 Places to Go in 2014 and the winner of the 2015 C40 Cities Award for Adaptation for the City’s successful Water Conservation and Water Demand Management Programme (WCWDM). Cape Town was also awarded the World Design Capital for 2014.

Accountability and clean governance has been a trademark of her tenure with the City achieving consecutive clean audits and holding the highest possible credit rating for local government.

Under her direction, the City of Cape Town has pioneered the Transit Orientated Development (TOD) Strategic Framework, the MyCiTi Bus Rapid Transit (BRT) System by expanding quality, reliable and affordable transport to communities most in need, it has delivered basic services to millions of people, has amplified its work of mitigating climate change and reducing carbon emissions through the small-scale-embedded generation programme, the solar water heater accreditation programme and becoming the first African city to use electric buses for its public transport system.

Cape Town has also acquired a global reputation for its contribution and membership in numerous international initiatives for cities including the C40 Cities and 100 Resilient Cities. Mayor De Lille currently serves as a board member of the Global Covenant of Mayors for Climate and Energy, Chairperson of the Global Parliament of Mayors, Vice-President of the World Energy Cities Partnership and a commissioner for the Global Commission on Economy and Climate.

Mayor De Lille has served in all three spheres of government including as a Member of Parliament for 15 years. Former President Nelson Mandela described her as his favourite opposition politician.
ENG. MOHANNAD ELSANOUSI –
Partner/Marketing Manager: Newtech Consulting Group

Eng. Elsanousi has considerable experience in the engineering consultancy field spanning over more than 17 years. He is a graduate of Chemical Engineering, University of Khartoum with a Master's degree in Biochemical Engineering from the University of Wales (Swansea). Mr. Elsanousi is an Associate Member of the Institution of Chemical Engineers (United Kingdom) and the Secretary General of the Chevening Alumni Association in Sudan.

Mr. Elsanousi started his career in the pharmaceutical industry where he assumed the role of Production Manager. He later transitioned into engineering consultancy where he embarked on a career in Business Development. He currently works with Newtech Consulting Group, a prominent engineering consultancy operating in Africa and the Middle East. As Marketing Manager, he leads regional and global business development efforts of the Company that is now operating in more than 16 countries across Africa and the Middle East.

COUNCILLOR BRETT HERRON – Mayoral Committee Member, City of Cape Town

Councillor Brett Herron is the City of Cape Town's Mayoral Committee Member for Transport and Urban Development and Chairperson of the City's Naming and Nomination Committee. The Transport and Urban Development Authority's key objectives are the implementation of the City's Transit Oriented Development Strategic Framework and Integrated Public Transport Network plan which aims, inter alia, to provide for efficient and affordable public transport and affordable housing opportunities, and the eradication of the legacy of apartheid spatial planning.
DAVID HESLETT – Director ECV Consultancy Ltd – UK

David Heslett is a British civil engineer with 50+ years of international construction experience. Initially in consultancy, was involved as designer of water/dam projects in Jordan, the Hong Kong Cross Harbour tunnel, and then the 280m high Mica dam in Canada.

At the age of 30 was made Project Manager for the construction of the Tedzani 1 hydroelectric project in Malawi, followed by, as a Director of Kier, 18 years of responsibility for 300+ construction projects in Africa and the Middle East.

In 1993 David founded ECV Consultancy Ltd, providing international contract training that led to training and consultancy in 86 countries (many in Africa) principally on the use of the FIDIC Contracts. With a team of 8 experienced engineers, ECV provides public and in-house FIDIC training worldwide.

ALAIN JACQUET – Chairman: ICE-SA – A joint division of ICE & SAICE and Director: SABEEEX

Alain Jacquet is the founding director of South African Built Environment Exchange (SABEEEx). Alain Jacquet has worked in both contracting and consulting sides of the industry.

He has worked in various positions as contractor on three major water tunnels in KwaZulu-Natal, built new roads in Botswana, rehabilitated roads in Mozambique, and developed company presence for a large South African construction firm in Madagascar. He has also overseen sewer reticulation projects and water infrastructure Soweto.

He has been at the forefront of policy and institutional development in the public-sector procurement arena since 1997, including CBPWP, EPWP, IDIP and contractor development programmes, as well as the CIDB Registers.

He is currently involved in capacity building exercises in Africa through GCRF Africa Catalyst, as well as rollout of the National Treasury Standard for Infrastructure Procurement and Delivery Management.
JUDITH KHALAMWA – Civil Engineer: Sanergy

Judith Khalamwa is a civil engineer working within the WES (Water Environment and Sanitation) Sector.

Currently working with Sanergy, a multi-national company involved in Sanitation and supporting WASREB (Water Services Regulatory Board), a government institution.

She has been involved in design, implementation, operations and maintenance of a wide scope of water and Sanitation Infrastructure. Her experience has enabled her participation in evaluation of sustainability and research into various techniques employed to support sustainability of WES Sector infrastructure within the African context.

RICHARD KIPLAGAT – Group Chief Operations Officer: africapractice

Richard leads africapractice operations across the group offices. In addition Richard is the Senior Stakeholder Advisor to business and government leaders particularly in the infrastructure, energy, oil and gas sectors. Richard advises a portfolio of companies who have collectively invested in excess of US $2 billion dollars in Africa.

Prior to africapractice, Richard spent 5 years as the Head of Global Strategic Alliances at Microsoft Africa, where he was responsible for managing Microsoft’s strategic engagements with development partners and inter-governmental organizations across 47 countries in sub Saharan Africa and the Indian Ocean islands. He was instrumental in establishing Microsoft’s partnerships with the African Union, African Development Bank, UNECA, ECOWAS, World Bank and The East African Community among others. He is also credited with negotiating significant public-private-partnership contracts in the education and health sectors.

Prior to joining Microsoft, Richard spent 4 years as the East African Regional Manager for SAP, the World’s Largest Business Software Company. Richard studied economics and political science at the University of Toronto Canada, with a particular focus on the economics of development. He is passionate about focusing on the role of productivity in accelerating Africa’s growth and competitiveness and is deeply committed to building partnership and proactively managing stakeholder relations as means to achieve sustainable and high impact results.
DR. ALLYSON LAWLESS – MD of SAICE Professional Developments and Projects

Allyson Lawless has had an extensive career in civil engineering consulting and has played a strategic role in advising government on engineering skills development.

She has researched and published or contributed to several seminal documents including ‘Numbers and Needs’ which looked at civil engineering skills and ‘Skills for and through SIPs’ which outlined the skills required to deliver South Africa’s Strategic Infrastructure Projects.

She is the MD of SAICE Professional Developments and Projects, a Non-Profit Company set up to address civil engineering skills development. The company is proud of having trained or assisted hundreds of engineering graduates to register as professionals with the Engineering Council of South Africa.

In 2009 she was awarded an Honorary Doctorate in Engineering by Stellenbosch University for her contribution to civil engineering and in 2012 an International Fellowship was conferred on her by the Royal Academy of Engineering.

PROF. MUGENDI K. M’RITHAA – President: World Design Organisation

Prof. Mugendi K. M’Rithaa is an industrial designer, educator and researcher at the Cape Peninsula University of Technology. He studied in Kenya, the USA, India and South Africa and holds postgraduate qualifications in Industrial Design and Higher Education, as well as a doctorate in Universal Design. He is widely traveled and has taught in Kenya, Botswana, South Africa and Sweden and is passionate about various expressions of socially conscious (and responsible) design, including: Designerly Strategies for Mitigating Climate Change; Design for Social Innovation and Sustainability; Distributed Renewable Energy; Indigenous Knowledge Systems; Participatory Design; and Universal Design.

Mugendi has a special interest in the pivotal role of design thinking in advancing the developmental agenda primarily on the African continent. He is associated with a number of international networks focusing on design within industrially developing (or majority world) contexts. Mugendi is also Africa’s first President of the World Design Organization (WDO) that was previously known as the International Council of Societies of Industrial Design (ICSD). Much of his work focuses on the importance of WDO in supporting the aspirations of younger designers worldwide.
TUMISANG MAPHUMULO – Chief Electrical Engineer: Eskom

Tumisang is a member of the South African Institute of Electrical Engineers, a registered Professional Engineer and a member of Council for the Engineering Council of South Africa.

She is a Chief Electrical Engineer with over a decade experience in Eskom. Experience gained is dominated by high voltage (HV) power transmission lines design. Competencies include operating, maintenance, performance improvement and refurbishments.

Tumisang has a strong power lines background and has vast experience in heading large multidisciplinary projects. She has recently gained experience in power system studies through her in progress Master in Engineering that is concerned with the investigation of high surge impedance loading lines. The research results from a pursuit to find cost effective methods to counter voltage collapse and it is titled “Consideration to use High Surge Impedance Lines in place of Series Compensation in Long High Voltage Power Transmission Lines“.

PROF. ROBERT MCCUTCHEON – Division Head, Malani Padayachee & Associates

Division Head, Employment Creation and Development, Malani Padayachee and Associates (Pty) Ltd, Consulting Civil and Structural Engineers, Randburg, South Africa.

Professor Emeritus and Honorary Professor, School of Civil and Environmental Engineering, Faculty of Engineering and the Built Environment, University of the Witwatersrand, Johannesburg, South Africa. Head: 1994 to 2000.

Research Associate: Centre of Full Employment and Equity, The University of Newcastle, Australia.

His work and research focuses on skills development, employment creation and programme management in the field of public works, with special reference to labour-intensive construction and maintenance.

From 1994 to date McCutcheon has contributed to the formulation and implementation of SA’s National Public Works Programme and Expanded Public Works Programme (current annual budget of the Infrastructure Sector: R18 Billion about $1.5 Billion).

BSc(Eng), GDE (Wits); MSc, DPhil (Sussex); PrEng, CEng; Fellow SAICE & ICE.
CHIEDZA RUTH MNGUNI – Associate: Nyeleti Consulting

Chiedza Mnguni is a young and vibrant civil engineering technologist. At the age of 22 Chiedza was promoted to associate level at Nyeleti Consulting, becoming the youngest member of its management team, she is currently part of the Leadership for the Municipal Services Division at Nyeleti Consulting.

Her educational journey began at Vaal University of Technology when she enrolled for her National Diploma in Civil Engineering at the age of 16, which she completed in 2004. Immediately afterwards she continued with her Btech in Urban Engineering. After completion, Chiedza then studied her Bsc Hons Applied Science majoring in Transportation Planning at the University of Pretoria which she completed in 2011. She obtained her professional registration from ECSA in June of 2013, and completed her (MBA) from Milpark Business School in 2016.

Her achievements include being a finalist for the Group Five excellent achievers award at Vaal University of Technology, she was also a Finalist in the University of Johannesburg WIEBE, Upcoming young professional of the year. Most recently she was awarded the South African Institute of Civil Engineering Technologist of the Year award in November 2016.

KABELO MOTSWAGOLE – GAMA Honorary Treasurer and Managing Director: Herbco Technical Services

Kabelo Motswagole is a Registered Professional Engineer with over 30 years’ experience specialising in Pavement and Materials Engineering, and Project Management.

Motswagole holds a Master of Science in Geo-materials engineering from University of London.

Kabelo has researched extensively in pavement performance, durability of construction materials and use of marginal materials. He has authored several guidelines, manuals and technical papers.

Kabelo Motswagole is the current Honorary Treasurer of Group African Member Association (GAMA)
Eng. Dr. Richard Robert Mwaipungu – Chief Editor: IET Publications and Managing Director, Sansutwa Simtali Ltd

Eng. Dr. R. R. Mwaipungu is a seasoned civil engineer with 26 years of experience particular in the field of road infrastructures related research, design, construction, and maintenance.

Eng. Dr. R.R. Mwaipungu has B.Sc., M.Sc., and Doctorate degrees in Highway Engineering discipline from Xian Transportation University (China), University of Dar es Salaam and Durban University of Technology (South Africa) respectively.

Eng. Dr. R.R. Mwaipungu is a senior member of Institution of Engineers Tanzania (IET), member of Association of Consulting Engineers Tanzania (ACET), and registered consulting engineer with Engineers Registration Board of Tanzania (ERB).

Eng. Dr. R.R. Mwaipungu is a seasoned publisher with twenty eight (28) papers published in various international and local Journals and conference proceedings.

He is currently Chief Editor of IET publications.

School of Management, and an M.S. in Political Science from MIT.

Eng. James N. Mwangi – GAMA Vice Chair and CEO: Kurrent Technologies Ltd

Eng. James N. Mwangi is the CEO of Kurrent Technologies Ltd. He is a Registered Consulting Engineer with the Engineers Board of Kenya (EBK) with over thirty-two years of experience in the energy sector. He has a BSc. (Hons) in Mechanical Engineering from the University of Nairobi. He has extensive experience in the Energy sector which includes Oil and Gas, Power generation and renewable energy. He has membership in many Professional bodies in Kenya and sits in a number of boards in the energy and Petroleum sector.

Kurrent Technologies Ltd is currently undertaking large energy projects, ranging from large petroleum facilities including LPG facilities, petroleum pipelines, exploration and production of oil, power generation plants including LNG (Liquefied Natural Gas) plants, solar wind projects, electrical transmission lines, regional feasibility studies, among others mainly in East and Central Africa.
**DR. BASIL OBERHOLZER – Director Financial Services: Global Infrastructure Basel Foundation (GIB)**

Basil Oberholzer holds a Ph.D. degree in macroeconomics from the University of Fribourg (Switzerland). Before, he completed his master's degree at the University of Zurich (Switzerland). With detailed knowledge of monetary systems and financial market mechanisms, Basil emphasizes on the financial side of infrastructure projects.

Working at the Global Infrastructure Basel Foundation (GIB) in Switzerland, the vision of sustainable and resilient infrastructure is in the centre of his work. Basil is engaged in the application of GIB’s comprehensive and practice-oriented tools (SuRe® Standard and SuRe® SmartScan) to infrastructure projects.

In addition to this professional engagement in infrastructure issues, Basil has political experience as a member of the parliament of his province in Switzerland.

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**ENGR. GEORGE CHUKWULEWA OKOROMA – GAMA Executive Member and Group Managing Director: Gambeta Groupe**

Engr. George C. Okoroma seats at the helm of affairs at Gambeta Groupe Limited, a group of companies with major professional interest in Engineering and Technical Consulting Services, Oil and Gas (EPCIC) Projects, Logistics, Information Technology, Hospitality, Manpower Development, and Real Estate.

He graduated as a Civil Engineer in 1981 from the Paul Sabatier University, Toulouse, France. Shortly after 1985, he co-founded Gapec Consultants Limited an engineering and project management consulting firm in Nigeria.

George is a prominent and active member and fellow of various professional associations which includes, Fellow Nigerian Society of Engineers, Fellow Institute of Management Consultants, Member Association of Consulting Engineers Nigeria, Executive Committee Member FIDIC Group of African Member Associations, Member Institute of Safety Professionals, Member American Society of Civil Engineers, Member Institution of Diagnostic Engineers UK.
MALANI PADAYACHEE-SAMAN – CEO: Malani Padayachee & Associates

Malani Padayachee-Saman is the 1st SA Indian Female Civil Engineer and 2nd Black Female graduate in SA. She is the Chief Executive Officer and founding member of a consulting civil engineering company, namely Malani Padayachee & Associates (Pty) Ltd, better known as MPA. Having been in the engineering sector for over 25 years, 20 of which have been spent running MPA, she offers a perspective on small consulting practices within the South African context. Malani has grown MPA in a very dynamic and challenging environment, and gained knowledge and experience to contribute significantly to the industry. She can be viewed as a role model in developing other small practices as well as ensuring more active participation by women engineers. Her more recent core focus area is in the identification and implementation of long term program driven approaches towards employment creation in the civil engineering sector. She is the recipient of a number of industry specific awards, both in her individual capacity as well as company recognition.

DR SINE ALY BADARA PLEAH – President of Honor of the Order of Consulting Engineers of Mali and Managing Director: SINEC

Held and Current Positions
- Currently Managing Director of the engineering company SINEC
- Expert in Geophysics
- Member of the Scientific and Technical Committee of the Country Partnership of Mali, Expert in Groundwater and in Integrated Water Resources Management (IWRM)
- Stand-in professor in charge of courses of applied geophysics and hydrogeology in the University of Sciences, Technics and Technology of Bamako, Mali
- Stand-in professor in charge of courses of hydrogeology in the National School of Engineers of Bamako, Mali
- Former Chair of the Order of Consulting Engineers of Mali and
- Actually President of honor of the Oder of Consulting Engineers of Mali.

Education
- 1978-1983: Master’s degree in Applied Geophysics, Mining Engineer Geophysicist from the Institute of Geological Prospecting of Moscou, former USSR.
South Africa is on a dynamic trajectory that requires visionary leadership and flexibility from all stakeholders and role players to adapt to the changing and challenging environment currently prevailing. This is a view from Lynne Pretorius, a professionally registered engineer that holds a BSc Engineering (Civil) and M. Engineering (Transportation) who has worked in the Engineering industry for 22 years after graduating in 1993. She has worked for both the Private sector and Public sector (four years in the City of Cape Town). Pretorius specializes in transportation engineering with a focus on sustainable transport modes and integration between transport and land use. She is passionate about the growth of small businesses as well as the development of young engineers.

Ms Pretorius is currently Director of Innovative Transportation Solutions (ITS) and President of CESA.

Jeshika Ramchund is a Senior Engineer for the Wastewater Department at Bosch Projects (Pty) Ltd in Kwazulu-Natal. She holds a Bachelor of Science in Civil Engineering from the University of KwaZulu-Natal and has 9 years of experience in the planning, design and implementation of water and sanitation projects. Jeshika is currently involved in the planning, design and delivery of bulk sanitation infrastructure and basic sanitation to informal communities.

Jeshika has served Consulting Engineers South Africa in the capacity of Chairperson of the Young Professional’s Forum, a Council and Board Member from 2014 to 2016, and is currently Vice-Chairperson of the Group of African Member Associations (GAMA) Young Professional’s Forum, a member of CESA’s Education and Training Committee and a member of the FIDIC Young Professional’s Forum Steering Committee.
DR. BARBARA C. SAMUELS II –
Executive Director and Founder, Global Clearinghouse for Development Finance

Dr. Samuels is recognized as a global expert in international finance with over thirty years experience. She is the Founder and Executive Director of the Global Clearinghouse for Development Finance (GlobalDF), a non-profit initiative devising innovative technical approaches to mobilize the private sector for development. Recent assignments include: technical support of NEPAD on infrastructure and derisking strategies, the design and implementation of the UN Capital Development Fund's Local Finance Initiative; and directing the African Development Bank's report on Africa risk mitigation needs and solutions.

Prior positions include: Chase Manhattan Bank's Director of Country Assessment, where she was responsible for managing US$50 billion of country risk exposure worldwide; Managing Director of Moody's Emerging Markets Service; and advisor to major investors (over US$ 2 billion in transactions).

Dr. Samuels has a Ph.D. in Management and Political Science from MIT, an M.B.A. from the Sloan School of Management, and an M.S. in Political Science from MIT.

KEVIN SPENCE – Engineer, Mediator, Adjudicator and Arbitrator: Induna Training Services

Kevin is a registered Professional Engineer, Mediator, Adjudicator and Arbitrator with over 40 years' experience in the Construction Industry. His experience spans across Freeway Construction, Airport Runway Rehabilitation, Dams and Water Retaining Structures, Pipelines, Civil and Building Construction, Concrete Structures, Asphalt and Concrete Road Surfacing and most recently Claims Preparation and Defence.

Kevin is considered an expert on the FIDIC suite of contract documentation as well as the other three forms of contract prescribed by the CIDB in South Africa. He facilitates regularly on all the four types of contract documentation both locally and internationally.

He is the only FIDIC accredited trainer in South Africa and is an Admitted Member of the FIDIC Presidents list of Adjudicators.

Pr.Eng, BScEng (Civil)(Wits), MSAICE, FAArb, FIQ
ABE THELA – GAMA Honorary Secretary and Director and Executive Deputy Chairman: Nyeleti Consulting

Abe Thela is a civil engineer with over 20 years’ postgraduate experience, mainly in consulting civil engineering. He completed his schooling in Soweto and matriculated in 1984. In 1982 he was selected to attend a pilot phase of the organisation called Programme for Technological Careers (Protec), which started in Soweto. It was during his participation at Protec that he was exposed to various technological careers including civil engineering.

He enrolled for a degree in civil engineering at the University of Witwatersrand and graduated in 1988. His interest is in municipal services provision and infrastructure development for the betterment of the lives of all South African communities. Abe is a Director and an executive deputy chairman of Nyeleti Consulting.

CJ VENTER – Executive Director: Bigen Africa

- Structuring of strategic partnerships, alternative delivery models and development finance for various infrastructure development initiatives
- Extensive experience in managing many large-scale infrastructure programmes, capital development, and BoTT (Build, Operate, Train and Transfer) projects has enabled him to develop specialist skills in project, programme, infrastructure and integrated resource management
- Significant exposure to construction and materials management, including the development of small and emerging contractors. His involvement in managing “special purpose” entities for large multi-disciplinary infrastructure development programmes is supported by a practical hands-on approach and a high level of people skills
- Specific skills in partnership relations and integration management
- He is a Registered Professional Engineer; his 25 work experience is complemented by qualifications in BEng (Civil), executive development, international professional project management and ISO 9000 internal auditing
CHRISTIE VILJOEN – Manager / Economist Financial Risk Management (FRM): KPMG

Christie has 10 years of experience as an economist working on African countries. His work as a macroeconomist has included the analysis of exchange rates, economic policy (including fiscal and monetary issues), balance of payment dynamics, economic growth, foreign investment trends, and overall sovereign risk. Christie also has experience in sector-specific research in these countries, including mining, agriculture, transport, manufacturing and construction. His opinions have regularly been quoted in local and international news media.

MONCEF ZIANI – FIDIC Vice-President and General Manager: CID

Mr Moncef Ziani is a civil engineer, graduated from Ecole Nationale des Ponts et Chaussées of Paris in 1981 and from the High School of Management of Rabat in 1983.

He has worked as a structural engineer from 1981 to 1983 and as a dam engineer working for 10 years on large dams project (design and construction supervision) and water resources management.

From 1993 up to now, Mr Ziani has been the General Manager of CID, a multidisciplinary engineering firm, based in Rabat. CID is now the largest Moroccan consulting company with a staff of 500 engineers and technicians, operating in Africa, in the Middle East as well as in Albania. CID has branches in Cote d'Ivoire, in Sénégal, in Tunisia and in Oman.

He is now FIDIC Vice-President and former President of the Moroccan Association of engineering firms.

Mr Ziani is a member of the Moroccan Economic, Social and Environment Council, a constitutional body advising the Moroccan government and parliament.
TOM500 PVC-O | SANS 16422

Manufactured to SANS specification, TOM500 PVC-O incorporates the latest technology available to produce a product that has unbeatable impact and fatigue resistance, for use on Bulk Water and high pressure pipelines.

PVC-O pipe is now manufactured in South Africa by Molecor Pty Ltd in Richards Bay, a joint venture between Sizabantu Piping Systems Pty Ltd and Molecor Spain. Available in sizes up to 800mm in diameter and in pressure classes up to 25 bar. PVC-O is the answer to our deteriorating water pipeline infrastructure. No corrosion, low maintenance, easy to install!

Proudly South African
PROUDLY SIZABANTU

www.sizabantupipingsystems.com
# CONFERENCE PROGRAMME

## SUNDAY 7 MAY 2017

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<tr>
<td></td>
<td>08:00 – 16:00</td>
<td>Registration</td>
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<tr>
<td>I</td>
<td>08:30 – 14:00</td>
<td>Presidents and Directors and Secretaries Meeting</td>
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<td></td>
<td>18:30 for 19:00 – 22:00</td>
<td>WELCOME RECEPTION – Cocktail Party @ CTICC Ballroom OPENING OF EXHIBITIONS Live Entertainment: Chris Hani Arts and Culture High School – Marimba Band</td>
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**Other Activities:**

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<tr>
<td></td>
<td>08:00 – 16:00</td>
<td>Registration</td>
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<tr>
<td>II</td>
<td>09:00 – 16:00</td>
<td>GAMA YOUNG PROFESSIONALS CONGRESS</td>
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<tr>
<td>III</td>
<td>15:30 – 16:30</td>
<td>GAMA EXCO AND YP MEETING</td>
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<tr>
<td>IV</td>
<td>16:30 – 18:00</td>
<td>GAMA EXCO MEETING</td>
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<td>18:30 for 19:00 – 22:00</td>
<td>WELCOME RECEPTION – Cocktail Party @ CTICC Ballroom OPENING OF EXHIBITIONS Live Entertainment: Chris Hani Arts and Culture High School – Marimba Band</td>
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# YP CONGRESS PROGRAMME

An initiative by the GAMA Young professionals Forum Steering Committee  
Supported by Bigen Africa  

**SUNDAY 7 MAY 2017**

<table>
<thead>
<tr>
<th>Time</th>
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<th>Presenter</th>
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<tbody>
<tr>
<td>09:00 – 17:30</td>
<td>Registration</td>
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</table>
| 09:00 – 09:10 | **WELCOME AND INTRODUCTION**  
*Programme Director: Yolan Pillay (RHDHV)*  
Chairperson of CESA YPF KZN | Francis Kofi Yankey (ABP Consult) – Chairperson GAMA YPFSC               |
| 09:15 – 09:30 | Looking back on GAMA YPF – Where are we now?  
Francis Kofi Yankey (ABP Consult) – Chairperson GAMA YPFSC               |
| 09:30 – 10:00 | YPF Best Practice – Toolkit for mobilisation of YP’s in Member Associations and within GAMA | Godfrey Ramalisa, Client Liaison Manager: CESA  
Noqobo Bongoza, (Hatch) – Chairperson CESA East London/ Border-Kei Branch |
|               | **COFFEE BREAK**                                                      |                                                                          |
| 10:00 – 10:15 |                                                                 |                                                                          |
| 10:15 – 11:30 | Team Building Exercise – Sustainable Growth for Consulting Engineering centred around YP’s accelerated development | Dr Michele Kruger, (CSV Water) – Chairperson – FIDIC Capacity Building SC  
Tafadzwa Mukwena (Bigen Africa) – WFEO YP Chapter |
| 11:30 – 12:30 | Motivational Speakers: Leadership beyond Engineering                  | Danai Magugumela (MD Bosch Projects)  
Malani Padayachee-Saman (CEO MPA Consulting Engineers) |
| 12:30 – 13:30 | **LUNCH BREAK**                                                       |                                                                          |
| 13:30 – 15:15 | **AFRICA RISING: TAKING YOUR SEAT AT THE TABLE – WHAT NEXT?**  
*Facilitator: Sechaba Kou, UWP* |                                                                        |
| 13:40 – 13:50 | **GAMA YPFSC – Presentation 1**  
*Topic: Embracing the role of the millennial engineer in a Consulting Engineering firm* | Kenneth Mbalaso, (Aurecon) – GAMA YPFSC |
| 13:50 – 14:00 | **GAMA YPFSC – Presentation 2**  
*Topic: Breaking the glass ceiling – Women in Engineering* | Jeshika Ramchund (Bosch Projects) – Vice Chairperson GAMA YPFSC |
| 14:00 – 14:10 | **GAMA YPFSC – Presentation 3**  
*Topic: The Numbers Game – Shifting the reality of underpaid engineers (when compared to other professions)* | Francis Kofi Yankey (ABP Consult) – Chairperson GAMA YPFSC |
# YP CONGRESS PROGRAMME

An initiative by the GAMA Young professionals Forum Steering Committee  
Supported by Bigen Africa

**SUNDAY 7 MAY 2017**

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<tr>
<th>Time</th>
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</table>
| **14:10 – 14:20** | GAMA YPFSC – Presentation 4  
**Topic:** Untapping our business potential – Why so few Engineers are entrepreneurs? | Harold M Chibwe *(Kiran & Musonda Associates) – GAMA YPFSC* |
| **14:20 – 14:30** | GAMA YPFSC – Presentation 5  
Based on abstract submission | Kennedy K Mwangi *(Howard Humphreys-Atkins) – GAMA YPFSC* |
| **14:30 – 15:00** | **PANEL DISCUSSION AND BURNING QUESTIONS** |                                                                                             |
| **15:00 – 15:10** | Presentation and adoption of congress resolutions                      | Amanda Masondo-Mkhize *(Mott Macdonald) National Chairperson of CESA YPF*                     |
| **15:10 – 15:15** | **CONGRESS CLOSING REMARKS**                                           |                                                                                             |
| **15:15 – 15:30** | **COFFEE BREAK**                                                       |                                                                                             |
| **15:30 – 16:30** | **YPF AND GAMA EXCO MEETING**                                          |                                                                                             |
| **Meeting Chairperson:** Francis Kofi Yankey *(ABP Consult)*  
– Chairperson GAMA YPFSC |                                                                                             |
| **15:30 – 15:35** | Welcome, Setting the Scene and Introductions                           |                                                                                             |
| **15:35 – 15:45** | Vision 2025 – The role of the African YP for Sustainable Growth         | Ing Kofi Asare-Yeboah *(Chairman: Associated Consultants Limited) – Chairperson FIDIC GAMA* |
| **15:55 – 16:05** | Trajectory 2025: GAMA YPFSC Roadmap                                   | Kennedy K Mwangi *(Howard Humphreys-Atkins) – GAMA YPFSC*                                    |
| **16:05 – 16:15** | Message – Outgoing Chairperson GAMA YPFSC                             | Francis Kofi Yankey *(ABP Consult)*                                                           |
| **16:15 – 16:25** | Message – Incoming Chairperson GAMA YPFSC                             | Jeshika Ramchund *(Bosch Projects)*                                                          |
| **16:25 – 16:30** | Closing Remarks and Way Forward                                        | Lynne Pretorius *(ITS Engineers) – President CESA*                                           |
| **18:30 for 19:00 – 22:00** | **WELCOME RECEPTION –** Cocktail Party @ CTICC Ballroom               |                                                                                             |
| **OPENING OF EXHIBITIONS** |                                                                 |                                                                                             |
| **Live Entertainment:** Chris Hani Arts & Culture High School – Marimba Band |                                                                                             |
# GAMA Presidents, Directors and Secretaries Meeting

## Sunday 7 May 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity/Event</th>
<th>Responsible Officer</th>
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<tbody>
<tr>
<td>08.30</td>
<td>Registration and Coffee</td>
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<tr>
<td>09:00</td>
<td>Opening and Introduction of MA’s present</td>
<td>Ing Kofi Asare-Yeboah – Chairperson FIDIC GAMA, Delegates</td>
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<tr>
<td>09:20</td>
<td>Presentation by FIDIC</td>
<td>MD, FIDIC</td>
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<tr>
<td>09:40</td>
<td>Financial Strategies of GAMA</td>
<td>GAMA Hon. Treasurer</td>
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<tr>
<td>10:00</td>
<td><strong>TEA BREAK</strong></td>
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<tr>
<td>10:20</td>
<td>• Revitalizing GAMA Working Committees;</td>
<td>Abe Thela, GAMA Hon. Secretary</td>
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<td>• Terms of Reference of GAMA Working Committees;</td>
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<td>• Process implementation for hosting GAMA Secretariat;</td>
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<td>• FIDIC-GAMA Conference</td>
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<tr>
<td></td>
<td><strong>DISCUSSIONS</strong></td>
<td>Delegates</td>
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<td>11:00</td>
<td><strong>MA Presentations:</strong> Five minute reports covering:</td>
<td>MA’s</td>
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<td>• MA Sustainability initiatives;</td>
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<td>• MA mentorship;</td>
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<td>• Membership challenges’</td>
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<td>• Education and Training;</td>
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<td>• FIDIC support requirements;</td>
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<td></td>
<td><strong>DISCUSSIONS ON THE REPORTS</strong></td>
<td>Delegates</td>
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<tr>
<td>12:30</td>
<td>Way Forward</td>
<td>Delegates</td>
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<tr>
<td>12:50 – 13:00</td>
<td><strong>CLOSING</strong></td>
<td>Ing Kofi Asare-Yeboah – Chairperson FIDIC GAMA</td>
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<tr>
<td>18:30 for 19:00 – 22:00</td>
<td><strong>WELCOME RECEPTION –</strong> Cocktail Party @ CTICC Ballroom</td>
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<td><strong>OPENING OF EXHIBITIONS</strong></td>
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<td><strong>Live Entertainment:</strong> Chris Hani Arts &amp; Culture High School – Marimba Band</td>
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# CONFERENCE PROGRAMME

**MONDAY 8 MAY 2017**

| Item | Time       | Topic                                                                 | Presenter                                                      |
|------|------------|----------------------------------------------------------------------|                                                               |
|      | 08:00 – 17:00 | **Registration**  <br>Programme Director: Chris Campbell, CESA CEO |                                                               |
|      | **OPENING** |                                                                      |                                                               |
|      | 08:00 – 08:30 | **CULTURAL DISPLAY AND NATIONAL ANTHEM** <br>By: Chris Hani Arts and Culture High School – Choir  <br>Delegates please be seated by 08h15. Enjoy the Choir! |                                                               |
|      | 08:30 – 08:40 | Welcome Remarks                                                      | Abe Thela, FIDIC-GAMA 2017 LOC Chair                           |
|      | 08:40 – 08:50 | African Partnerships for Sustainable Growth                           | Kofi Asare-Yeboah, GAMA Chairman                               |
|      | 08:50 – 09:00 | International Partnerships                                           | Moncef Ziani, FIDIC Vice President                             |
|      | 09:00 – 09:10 | The role of professional organisations – partnership                 | Lynne Pretorius, CESA President                                |
|      | 09:10 – 09:25 | My African City                                                      | Cllr Patricia de Lille, Executive Mayor of City of Cape Town   |
|      | 09:25 – 09:45 | **FEEDBACK FROM DELEGATES**                                         |                                                               |
|      | 09:45 – 10:30 | **COFFEE BREAK**                                                     |                                                               |
|      | 10:30 – 12:00 | **PANEL DISCUSSION: INFRASTRUCTURE FUNDING AND INVESTMENTS** <br>Facilitator: Hubert Danso, Africa Investor |                                                               |
|      | 10:30 – 12:00 | Christie Viljoen, KPMG                                                |                                                               |
|      |              | Chris Baloyi, Bosch Capital                                          |                                                               |
|      |              | Basil Oberholzer, Global Infrastructure Basel                        |                                                               |
|      |              | Barbara Samuels, Global Clearinghouse for Development Finance        |                                                               |
|      | 12:00 – 13:00 | **LUNCH BREAK**                                                      |                                                               |
## CONFERENCE PROGRAMME

### MONDAY 8 MAY 2017

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<tr>
<td></td>
<td>13:00 – 15:00</td>
<td>PRESENTATION: CONTRACTUAL RELATIONSHIPS IN ENGINEERING – PARTNERSHIPS</td>
<td>Facilitator: Eng James N Mwangi, GAMA Exco and Kurrent Technologies</td>
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<td>13:00 – 13:15</td>
<td>Partnerships</td>
<td>Eng James N Mwangi, Kurrent Technologies</td>
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<td></td>
<td>13:15 – 13:30</td>
<td>Global partnerships – What does it mean to South African Consulting Engineers.</td>
<td>Malani Padayachee-Saman, MPA</td>
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<td>C</td>
<td>13:30 – 13:45</td>
<td>The value of training for the Parties &amp; Engineer undertaking FIDIC Contracts</td>
<td>David Heslett, ECV Consultancy</td>
</tr>
<tr>
<td></td>
<td>13:45 – 14:00</td>
<td>Dispute Adjudication Boards in Africa – An overview of current practices</td>
<td>Kevin Spence, Induna Training Services</td>
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<td></td>
<td>14:00 – 14:15</td>
<td>Establishing Win-Win Partnerships to Achieve Sustainable Development</td>
<td>CJ Venter, Bigen Africa</td>
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<td>14:15 – 15:00</td>
<td>FEEDBACK FROM DELEGATES</td>
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<td>15:00 – 15:30</td>
<td>COFFEE BREAK</td>
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<td></td>
<td>15:30 – 17:00</td>
<td>PRESENTATION: INFRASTRUCTURE AND SOCIO-ECONOMIC DEVELOPMENT</td>
<td>Facilitator: Kabelo J. Motswagole, Herbco Technical Services</td>
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<td>D</td>
<td>15:30 – 15:45</td>
<td>Mutual Aid 1 – Africa to South Africa – Modern Labour-intensive Construction</td>
<td>Prof. Robert McCutcheon, MPA</td>
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<td></td>
<td>15:45 – 16:00</td>
<td>Infrastructure development as a key driver of sustainable social and economic development</td>
<td>Fatima Collins, Bigen Africa</td>
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<td></td>
<td>16:00 – 16:15</td>
<td>The Sustainable Development Goals are more globally collaborative than the Millennium Development Goals.</td>
<td>Dr Melissa Adendorff, Boston Media House</td>
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<td>16:15 – 16:30</td>
<td>Managing Above-ground Risk for Infrastructure Projects</td>
<td>Richard Kiplagat, africappractice</td>
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<td>16:30 – 17:00</td>
<td>FEEDBACK FROM DELEGATES</td>
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<td>18:45 for 19:00 – 22:30</td>
<td>AFRICAN COLOUR NIGHT – Dinner @ GOLD Restaurant</td>
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## TUESDAY 9 MAY 2017

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<td>Registration</td>
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<td></td>
<td>08:30 – 10:30</td>
<td>PRESENTATION: ENGINEERING SERVICES</td>
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<td>Facilitator: Mohannad Elsanousi, Newtech Consulting</td>
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<td></td>
<td>08:30 – 8:45</td>
<td>Consulting Engineering in the face of disruptive technology</td>
<td>Jeshika Ramchund, Bosch Projects</td>
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<td></td>
<td>08:45 – 09:00</td>
<td>Realising the resilience dividend through the planning and development of quality, climate resilient infrastructure that supports sustainable social and economic development in Africa</td>
<td>James Cullis, Aurecon</td>
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<tr>
<td></td>
<td>09:00 – 09:15</td>
<td>Shaping African design innovation or Advancing the Afrikan lions’ narrative: the quest for a sustainable future for all…</td>
<td>Prof Mugendi M’Rithaa, World Design Organisation</td>
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<td>09:15 – 09:30</td>
<td>The sustainability of unsealed roads surfaced with marginal gravel materials – Tanzania Case Study</td>
<td>Eng. Dr. Richard R. Mwaipungu, Sansutwa Simtali</td>
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<td>09:30 – 09:45</td>
<td>Sustaining consulting engineering is key to growing the economy</td>
<td>Malani Padayachee-Saman, MPA</td>
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<td>09:55 – 10:30</td>
<td>FEEDBACK FROM DELEGATES</td>
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<td>10:30 – 11:00</td>
<td>COFFEE BREAK</td>
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<td>11:00 – 13:00</td>
<td>PRESENTATION: ENGINEERING SKILLS DEVELOPMENT</td>
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<td>Facilitator: Engr. George C. Okoroma, GMD Gambeta Groupe</td>
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<td>11:00 – 11:15</td>
<td>Capacity building in infrastructure delivery through the verification of knowledge and application of concepts and principles</td>
<td>Alain Jacquet, SABEeX</td>
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<td>11:15 – 11:30</td>
<td>Female Civil Engineers in Gauteng: Challenges of retention in consulting firms</td>
<td>Chiedza Mnguni, Nyeleti Consulting</td>
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<td>11:30 – 11:45</td>
<td>Mutual Aid 2: South Africa to Africa</td>
<td>Prof. Robert McCutcheon, MPA</td>
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<td>11:45 – 12:00</td>
<td>Engineering skills in Africa – research engineering skills in the whole of SADC</td>
<td>Allyson Lawless, SAICE-PDP</td>
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<td>12:00 – 12:30</td>
<td>FEEDBACK FROM DELEGATES</td>
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<td>12:30 – 12:50</td>
<td>CONFERENCE RESOLUTIONS</td>
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<td>12:50 – 13:00</td>
<td>CONFERENCE CLOSURE</td>
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<td>13:00 – 14:00</td>
<td>LUNCH BREAK</td>
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<td>14:00 – 15:30</td>
<td>GAMA WORKING COMMITTEES’ MEETINGS</td>
<td>SITE VISIT – City of Cape Town’s Traffic Management Centre</td>
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<td>16:00 – 17:00</td>
<td>GAMA GENERAL ASSEMBLY MEETING</td>
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<td>19:00 for 19:30 – 22:30</td>
<td>GAMA GALA DINNER – Local Carnival @ Bridgeways at Ratanga Junction</td>
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## WORKSHOP

**WEDNESDAY 10 MAY 2017**

<table>
<thead>
<tr>
<th>Item</th>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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<tbody>
<tr>
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<td><strong>WATER AND ENERGY</strong></td>
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<td>G</td>
<td>8:30 – 10:30</td>
<td>Regional power connectivity – connecting communities</td>
<td>Tumisang Maphumulo, Eskom</td>
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<td>Integrated Water Resources Management, River Basins Organization and sustainable development of West Africa</td>
<td>Dr Sine Aly Badara, Coulibaly PLEAH, Order of Consulting Engineers of Mali</td>
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<td>Role of ICT in enhancing sustainability of water infrastructure</td>
<td>Judith Khalamwa, Sanergy</td>
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<td>The ‘Menace’ of the sanitation situation in Accra</td>
<td>Ing. Felix K. Atsrim, Jospong Group</td>
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<td><strong>FEEDBACK FROM DELEGATES</strong></td>
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<td>Facilitator: Tumisang Maphumulo, Eskom</td>
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<td>10:30 – 11:00</td>
<td><strong>TEA BREAK</strong></td>
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<td>H</td>
<td>11:00 – 13:30</td>
<td><strong>CONNECTING AFRICAN COMMUNITIES</strong> – Connecting African Infrastructure to Ensure Sustainable Development and Growth</td>
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<td>National Roads: Country and Regional linkages</td>
<td>Ms Elna Fourie, SANRAL</td>
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<td>Connecting regional airports – #Africa</td>
<td>Mr Charles Shilowa, ACSA</td>
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<td>Connecting communities through development of rail and ports</td>
<td>Corli Janse van Rensburg, Transnet</td>
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<td>Fast Tracks – Connecting Cities</td>
<td>Tshepo Kgobe, Gautrain</td>
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<td>City’s Transit-Oriented Development (TOD)</td>
<td>Cllr Brett Herron, City Of Cape Town, Municipality – Mayoral Committee Member: Transport and Urban Development</td>
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<td><strong>FEEDBACK FROM DELEGATES AND CLOSURE</strong></td>
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<td>Facilitator: Manfred Uken, Royal HaskoningDHV</td>
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<td>13:30 – 14:30</td>
<td><strong>LUNCH</strong></td>
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<td>14:30 – 15:30</td>
<td><strong>GAMA EXCO COORDINATION MEETING ON THE 25TH ANNUAL FIDIC-GAMA 2018 CONFERENCE</strong></td>
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A Benchmark of Excellence

Nyeleti Consulting is a firm of consulting engineers that was established in July 1999. The word, Nyeleti, meaning star, symbolises the high aspirations of the firm to deliver excellent service to its clients.

This majority Black-owned South African company specialises in civil engineering infrastructure and is also committed to addressing the engineering needs of developing communities.

Fields of expertise:

- Road and bridge design
- Road rehabilitation and maintenance
- Water and sewage bulk infrastructure
- Water and sewer reticulation services
- Building structures and wet services
- Project management
- Traffic and transportation engineering
- Forensic investigations: structural engineering
- Silo, cooling tower and chimney design
- Construction management
- Occupational health and safety

Offices in Tshwane, Ekurhuleni, Polokwane, Ethekwini and Maputo

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Royal HaskoningDHV is an independent, international engineering and project management consultancy with 135 years of experience. Backed by the expertise and experience of 6,500 colleagues all over the world, their professionals combine global expertise with local knowledge to deliver a multidisciplinary range of consultancy services for the entire living environment that includes Water; Transport and Planning; Industry and Buildings; and Maritime and Aviation projects.

Guided by a common principle – to enhance society together the company has been working with public and private clients on projects that have improved living conditions for many people. In Africa the company has a Level 2 B-BBEE Status and employs in excess of 840 professionals offering strategic project expertise across the continent through offices in South Africa, Botswana, Zimbabwe Mozambique and Nigeria.
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FIDIC GAMA 2017
CONFERENCE & EXHIBITION
7 - 10 MAY CAPE TOWN
SOUTH AFRICA

WELCOME RECEPTION-COCKTAIL PARTY

DATE: 07 MAY 2017
TIME: 19H00 – 22:00
VENUE: CTICC BALLROOM

Welcoming

Welkom
Bienvenue
Welcome
Karibu
Akwaaba
Wamukelekile
Ahlan wa sahlan
Le amogetswe

Showcasing

[List of logos]
AFRICAN COLOUR NIGHT – DINNER @ GOLD RESTAURANT

DATE: 08 MAY 2017
TIME: 19:00 – 22:30
VENUE: GOLD RESTAURANT
DRESS CODE: TRADITIONAL OR COLOURFUL

GOLD Restaurant
Welcome to GOLD, a unique African restaurant in the heart of Cape Town.

Our set 14 course Cape Malay and African menu is a taste safari that will transport you from Table Mountain to Timbuktu. This culinary experience is accompanied by unique interactive traditional entertainment.
GAMA GALA DINNER – LOCAL CARNIVAL

DATE: 09 MAY 2017  
TIME: 19:00-22:30  
VENUE: BRIDGEWAYS AT RATANGA JUNCTION  
DRESS CODE: TRADITIONAL TO SMART CASUAL

Live Entertainment  
Chris Hani Arts & Culture High School - Jazz band vs DJ Steward T
SA’s leading producer of plastic piping systems for water and sanitation

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+27(0)11 345 5600
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