



WIE

The Committee on
Women in Engineering

'ACHIEVING GENDER EQUALITY IN AFRICA- THE PERSPECTIVE OF FEMALE ENGINEERS'

4th December, 2020. | @10am GMT

Keynote Address:

Eng. Martin Manuhwa
(President, FAEO)

Chief Host:

Engr. Yetunde Holloway,
(Chair, Committee on Women in Engineering,
Vice President, FAEO)

PLENARY SESSION SPEAKERS | TIME: 10:25

Ing. Trudy Morgan (Sierra Leone) Eng. Beverly Nyakutsikwa (Zimbabwe)
Eng. Habsatou Nadia Doudy (Cameroon)

PARALLEL SESSION SPEAKERS | TIME: 12:05PM

SPEAKERS

Prof. Ing. Gordana Kranjac - Berisavljevic (Ghana)
Dr. Eng. Affaf Al-Oufy (Egypt)
Mr. Zolana Joao (Angola)
Eng. Yokoba Aboth (Uganda)
Dr. Hazir Farouk Abdelrahman Elhaj (Sudan)

SPEAKERS

Engr. Nimot Mulli (Nigeria)
Dr. Eng. Hend Farouh (Egypt)
Dr. Michael Humavindu (Namibia)
Engr. Jane Mutulili (Kenya)

SPEAKERS

Ing. Harriet Ammissah Arthur (Ghana)
Eng. Sabah Mohamed Mashaly (Egypt)
Eng. Readlay Makaliki (Namibia)
Ing. Coletha Ruhanya (Rwanda)
Dr. Al-Mas Sendegaya (Uganda)

SPEAKERS

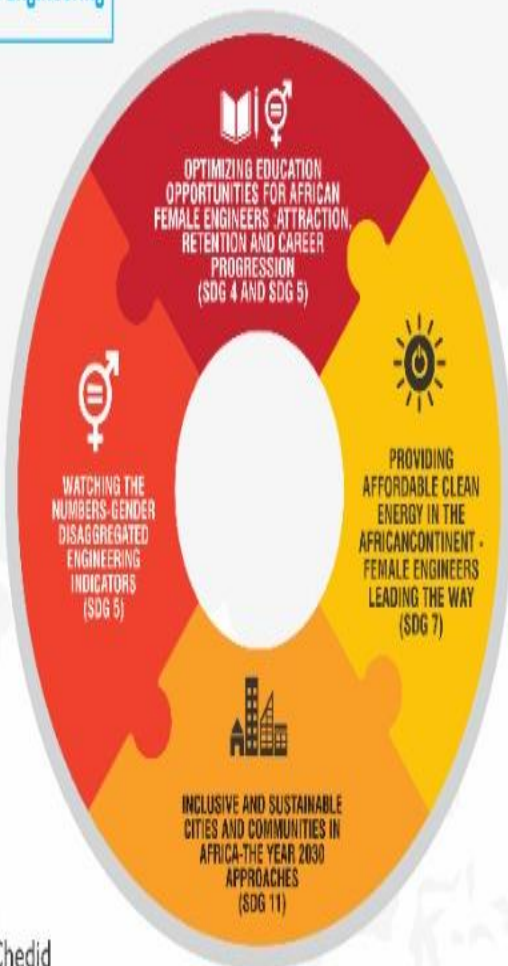
Engr. Dr. Felicia Agubata (Nigeria)
Dr. Eng. Adel Beshara (Egypt)
Engr. Ennie Muchumba (Zambia)
Engr. Christine Ogut (Kenya)

CLOSING REMARKS

Ing. Carlien Bou-Chedid
(Deputy President, FAEO)

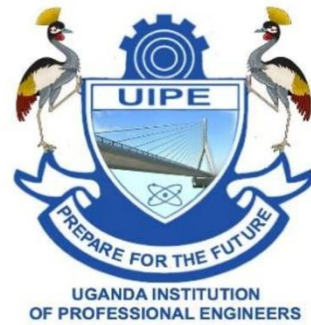
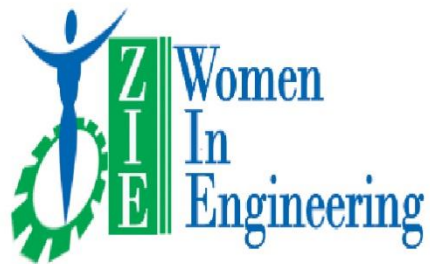
CLOSING REMARKS

Dr. Smita Francis
The Chairman CPC



REGISTRATION LINK

<https://zoom.us/join/zoom/register/tj0qf-Gpqj8sEtUxmIzyfYjzTjKzBVt6j0BF>



ZAMBIA WOMEN IN ENGINEERING SECTION (ZWES)



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The Committee on
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Theme:

‘ACHIEVING GENDER EQUALITY IN AFRICA- THE PERSPECTIVE OF FEMALE ENGINEERS’

DATE: 4TH DECEMBER, 2020.

TIME: 10AM GMT | VENUE: ZOOM APP





Eng. Martin Manuhwa
President, FAEO



Ing. Carlien Dorcas Bou-Chedid
President-Elect, FAEO

**Plenary Session: Achieving Gender Equality in Africa- Gender Equality -A
Panacea for Development in Africa**



Moderator: Engr. Yetunde Holloway (Nigeria)

SPEKAERS



Ing. Trudy Morgan (Sierra Leone)



Eng. Berverly Nyakutsikwa (Zimbabwe)



Eng. Habsatou Nadia (Cameroon)

Session 1: Optimizing Education opportunities for African Female Engineers: Attraction, Retention and Career progression (SDG 4 and SDG 5)



Moderator: Ing. Dr. Enyonam Kpekpena (Ghana)

SPEAKERS



Eng. Zolana Joao
(Angola)



Dr. Eng. Affaf Al-Oufy
(Egypt)



Eng. Yokoba Aboth
(Uganda)



Dr. Hazir Farouk Abdelraheem Elhaj
(Sudan)



Prof. Ing. Gordana Kranjac - Berisavljevic
(Ghana)

Session 2: Providing Affordable Clean Energy in the African Continent - Female Engineers leading the Way *SDG 7*:



Moderator: Ing. Sheila Elizabeth Bortey-Kharis (Ghana)

SPEAKERS



Eng Readlay Makaliki
(Namibia)



Eng. Sabah Mohamed Mashaly
(Egypt)



Eng. Al-Mas Sendegeya
(Uganda)



Ing Harriet Ammissah Arthur
(Ghana)

**Session 3: Inclusive and Sustainable Cities and Communities in Africa-the
year 2030 approaches *SDG11***



Moderator: Ing. Naa Lamkai Quaye-Ballard(Ghana)

SPEAKERS



Dr Michael Humavin (Namibia)



Engr. Nimot Muili (Nigeria)



Dr. Eng. Hend Farouh(Egypt)



Eng. Jane Mutulili (Kenya)

Session 4: Watching the numbers –Gender disaggregated engineering indicators

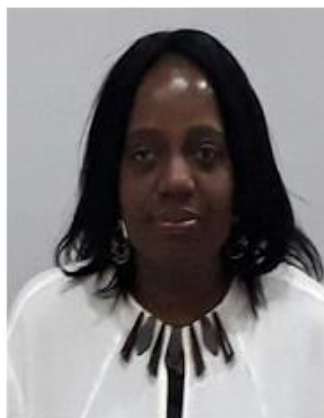


Moderator: Agness Mofya (Zambia)

SPEAKERS



Engr. Dr. Felecia Agubata (Nigeria)



Eng. Ennie Muchulemba (Zambia)



Eng. Christine Ogut (Kenya)

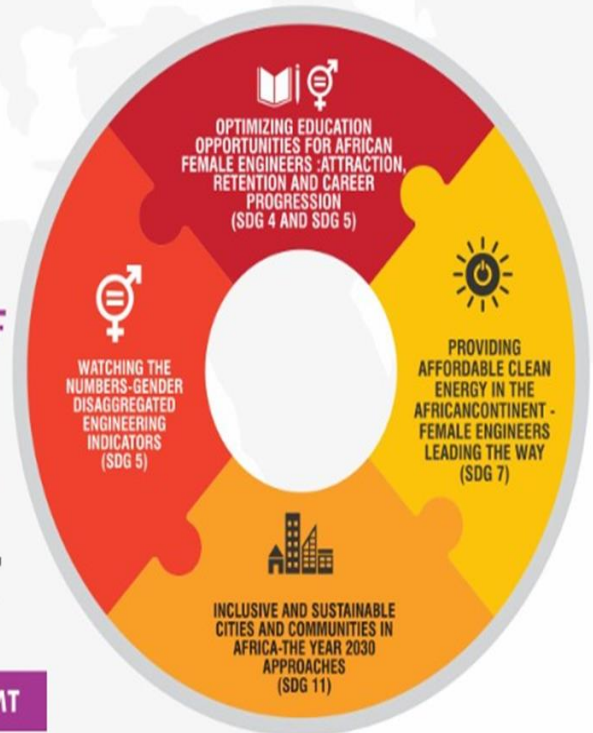
Dr. Eng. Adel Beshara (Egypt)

Theme:

'ACHIEVING GENDER EQUALITY IN AFRICA- THE PERSPECTIVE OF FEMALE ENGINEERS'



Sub Themes:



4th December, 2020. | @10am GMT

PLENARY SESSION SPEAKERS | TIME: 10:25 GMT

Ing. Trudy Morgan (**Sierra Leone**)

Eng. Beverly Nyakutsikwa (**Zimbabwe**)

Eng. Reine Essobmadje (**Cameroon**)

Moderator:

Engr. Yetunde Holloway
(**Nigeria**)



REGISTRATION LINK

<https://zoom.us/meeting/register/tj0qf-Gpqj8sEtUxmlzyfYjzTjkbVt6j0BF>

Ing Trudy is the President (*First female president in 50 years) of the Sierra Leone Institution of Engineers, Council Member of the Professional Engineers Registration Council, President of the Sierra Leone Women Engineers, a trustee with the UK based charity Engineers for Change (Sierra Leone), the International Representative for the UK Institution of Civil Engineers in Sierra Leone and the first female fellow from Africa of the UK institution of civil engineers.

She is a chartered civil engineer, a project management professional with an MBA from Cranfield with 11 years' experience in designing and building bridges across the UK followed by a 10 years' experience working as a management consultant and business development specialist where she has led three international teams across 17 countries in designing and constructing offices for a large UK government agency.

She has also worked with the World Bank and the United Nations in developing programs that address urban services provision, landslides and made significant strides to support youth and empower women such as the Young Engineers Corp, the implementation of the SLIE proposal among others which have all made her win several awards locally due to her work with women engineers.

Habsatou Nadia (Cameroon)

Habsatou Nadia is a Senior Manager at Cameroon Telecommunications and currently leads the Wholesale Department related to Carrier Services.

She has more than 15 years' professional experience in the field

She holds a bachelor's degree in computer science and a Master of Science in Project Management from Salford Business School and is also a PMP (Project Management Professional) and ITILv3 F certified.

She is futuristic, an avid learner and passionate about helping people and uses her skills and knowledge to make a positive contribution to the community by volunteering in community events, organizing TEDX events in her country as well as creating a weekend school for children.

Beverly Nyakusitkwa

Beverly is the Secretary for women in engineering division of Zimbabwe Institute of Engineers (ZIE), Zimbabwe's representative at the World Federation of Engineering Organizations in the Young Engineers Future Leaders committee and in the Women in Engineering Committee and Zimbabwe's representative at the Federation of African engineering organization WIE committee.

She holds a BSc with Honours degree in Civil Engineering, an MSc in Urban Water and Sanitation (Sanitary Engineering), a certificate in project management and other skill augmentation courses.

She has participated in a number of reputable programs and she is very passionate about the role of women and girls in STEM, mentorship and motivating students which has made her to host an inaugural WomEng and GirlEng events in Zimbabwe..

<https://us.zoom.us/j/9201111111>



BRIEF PROFILE OF GORDANA KRANJAC-BERISAVLJEVIC' (Ms)

She is a Professor in Agricultural Engineering, currently working with AMI Department. University of Development Studies, Tamale, Ghana, West Africa.

She holds a **PhD** (Agricultural Engineering) from University of Ghana Legon, Ghana,

She is currently the WACWISA - **Deputy Director** ACE-Impact (World Bank and AFD funded) Centre of Excellence in Irrigation and Drainage at UDS, Tamale.

She is the Director, DIRA, UDS, Tamale from 2010 to 2020.

As a professor, she has 10 published books and 42 articles in peer-reviewed journals to her credit.

PROFILE OF AFFAF AL-OUFY

Dr. Affaf K. Al-Oufy serves as a Professor of the Faculty of Engineering at Alexandria University, Egypt. She is the coordinator and founding member of Alexandria University Nano Cluster. She is also the executive supervisor of the lab of “New Advanced Materials & Nanotechnology Research Lab NNRL” of the same university.

She holds a **Ph.D. (Materials Science and Engineering)**, from the **Faculty** of Engineering, Drexel University, PA, USA. **M.Sc. and B.Sc** Textile Engineering, from the Faculty of Engineering, Alexandria University, Egypt.

She is currently the **Deputy Director** of Graphene center of excellence for Energy and electronics applications, E-JUST University. Recently, Dr. Al-Oufy successfully gained the STDF fund (~12 M.EGP) for the first Graphene center of excellence for electronics and Energy Applications.

Vangiliya Yotana Ribeiro Filipe Pereira

Vangiliya Yotana Ribeiro Filipe Pereira (Vânia Pereira, Deputy Director General for the Technical and Scientific Area of the Angolan Management Office for the National Space Program (GGPEN). She holds a degree in Electronics and Telecommunications Engineering from the University of Bradford in England, UK and a Master of Science degree in mobile and Satellite Communication from the University of Glamorgan in Wales, in the United Kingdom.

BRIEF PROFILE OF MS ABOTH YAKOBA

Ms. Aboth Yakoba is currently working with National Water and Sewerage Corporation, (NWSC) Uganda as a Senior Engineer. She has accomplished a number of projects aimed at providing clean water, sanitation and Hygiene services to communities in Uganda. She is also a member of the professional Women for Water and Sanitation (PW₄ATSAN) Uganda, a charity network of professional women who voluntarily came together to promote and empower themselves in the water sanitation and hygiene sector.

She has also been volunteering with Uganda Institution of Professional Engineers (UIPE) since 2015 where she has served in different capacities; as a committee member for Women Engineers, Technicians and Technologists (WETT).

She leads the outreach committee of UIPE where she has led a team of Engineers in reaching out to engineering students and professionals in various tertiary institutions, Universities, and employment agencies in Uganda with special interest in women and girls.

Hazir Farouk Abdelraheem Elhaj

She is an associate professor at the Mechanical Engineering Department, Sudan University of Science and Technology (SUST). She holds a **Ph.D.** in biofuels from SUST and UTM Malaysia; **M.Sc.** (Advanced Manufacturing Technology) from Universiti Teknologi Malaysia (UTM) and **BSc.** in Mechanical Engineering from SUST.

In 2014, she was nominated by the World Bioenergy Association to become their voice in promoting the sustainable use of biomass in Sudan and the region of North Africa.

She is an ardent advocate in promoting the development of bioenergy technologies in Sudan.

In recognition of her contribution to national planning, professional training and practical implementation of modern bioenergy technologies in Sudan, she was awarded the prestigious TWAS Samira Omar Innovation for Sustainability prize in Trieste as an outstanding woman scientist working in the field of sustainability within the world's 47 least developed countries.



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Theme:

‘ACHIEVING GENDER EQUALITY IN AFRICA- THE PERSPECTIVE OF FEMALE ENGINEERS’

December, 2020. | @10am GMT

Moderator:

Ing. Rugiatu Koroma
(Sierra Leone)

LEVEL SESSION 2 SPEAKERS | TIME:12:05PM

Harriet Ammissah Arthur (Ghana)

Sabah Mohamed Mashaly (Egypt)

Leadlay Makaliki (Namibia)

Joetha Ruhmya (Rwanda)

-Mas Sendegaya (Uganda)

Sub Theme:



**PROVIDING AFFORDABLE
CLEAN ENERGY IN THE
AFRICAN CONTINENT - FEMALE
ENGINEERS
LEADING THE WAY
(SDG 7)**



REGISTRATION LINK

https://zoom.us/join/zoom/register/tl0af_Cpqi8cFtllhymlyzfYizTikzPv

Ing. Harriette Amissah-Arthur

She is co-founder and Executive Partner of Arthur Energy Advisors (AEA) based in Accra with over 35 years of experience in the power utility sector in Ghana.

She holds a Bachelor's degree in Electrical and Electronics Engineering from the Kwame Nkrumah University of Science and Technology, Ghana, and a Masters in Business Administration from the University of Ghana.

Harriette is a passionate entrepreneur, pragmatic engineer and astute troubleshooter. She has led several teams to provide world-class solutions to a number of public and private sector clients in energy sectors across the ECOWAS Sub-region

SABAH MOHAMED MASHALY

Eng. Sabah Mohamed is an electrical engineer with over 30 years of technical leadership experience in the utility sector in Egypt. She is the chairperson and Managing Director of the Egyptian Transmission Company since the year 2019 to date.

She graduated from the university of Cairo in 1986 and Harvard Business School in 2003. She is also a Nasser Leadership Military Academy Alumna.

She was a key person in the advancement of power supply in Egypt's Electricity Sector and has Author and has Co-Authored several papers in the field of Smart Grid and Renewable Energy

She was selected and nominated as one of the TOP50 most influential women in the Egyptian Economy for year 2018.

Readlay Makaliki

Ing. Readlay Makaliki is a member of Engineering institute of Zambia and the institute of Electrical and Electronic Engineers. He holds a bachelor degree in Electrical Engineering from the university of Zambia and Master of Science in Electrical Power Engineer from Chalmers University of Technology in Gothenburg, Sweden.

He has over 25 years of experience in the power sector mostly at the senior management level.

He is a renewable energy expert and is currently the lead technical expert on the Sida funded and UNIDO implemented Energy Efficient Lighting and Appliances project.

Dr. Al-Mas Sandegeya

He is a Senior Lecturer in the Department of Electrical and Electronics Engineering at Kyambogo University, and a Senior Lecturer in Department of Electrical and Computer Engineering at Kampala International University.

He has provided various consultancy services in the field of Solar Energy and rural energy development with GIZ Uganda.

He served on the board of an NGO in Uganda promoting Renewable Energy technologies in Uganda where he worked on a number of rural energy projects, and served as the technical advisor in Renewable Energy issues and Energy for Rural transformation.

His current research is about “Resilient and sustainable energy networks for developing countries: Clustering mini-grid networks to widen energy access and enhance utility resilience”.



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Sub Theme:

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December, 2020. | @10am GMT

Moderator:

Eng. Naa Lamkai Quaye-Ballard
(Sierra Leone)

LEVEL SESSION 3 SPEAKERS | TIME:12:05PM

Eng. Nimot Muili (Nigeria)

Eng. Hend Farouh (Egypt)

Michael Humavindu, (Namibia)

Jane Mutulili (Kenya)



INCLUSIVE AND SUSTAINABLE
CITIES AND COMMUNITIES
AFRICA-THE YEAR 2020
APPROACHES
(SDG 11)



REGISTRATION LINK

https://zoom.us/join/zoom/register/tl0af_Cpqi8cFtllhym1zrfYizTikzP

Eng. Nimot Muili

Nimotalai Adebukola Muili is a registered engineer with over 15 years of experience in civil / structural engineering design and supervision. She is a member of the Executive Board (EBM) of Arup Lagos as an Associate Partner and the only female to join the EBM in the Lagos practice in over 60 years practice. She has worked on multidisciplinary engineering including urban renewal, city planning and resilience and various private – public partnership contracting models in Nigeria. She is presently an examiner for the corporate examination for the Civil Engineering Division.

Dr. Hend Farouh, Ph D

Dr. Farouh, has a combined 22 years of academic, research, policy and strategy formulation, technical implementation, managerial, and governmental administrative affairs in the area of environmental planning and design, green buildings, integrating EE and RE in buildings as well as cities at local, national and international levels.

Dr. Farouh is the National Project Manager of “Grid Connected Small-Scale Solar Systems” which was implemented by United Nation Development Program (UNDP) and the Industrial Modernization Centre (IMC).

Dr. Michael Nokokure Humavindu

Dr. Michael Nokokure Humavindu is currently Deputy Executive Director: Industrialisation and Enterprise Development at the Ministry of Industrialisation, Trade and SME Development. Dr. Humavindu holds a PhD (Economics) from the University of Umeå, Sweden, an MSc (Finance & Investment) from Durham University, United Kingdom and a MA (Economics) from Stellenbosch University in South Africa.

Eng. Jane Mutulili

Eng. Jane Mutulili is a Civil Engineer and a Project manager. She has experience in humanitarian work, offering engineering services in WASH, Health, Education, Food and Security. She has Collaboration with UN bodies, National and International Non-Governmental Organisations (INGOs) and Government Agencies; Community Based Organisations. She is a Registered Consulting Engineer (Kenya), with Engineers Board of Kenya (EBK) and a Fellow of Institution of Engineers of Kenya (F.I.E.K).



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December, 2020. | @10am GMT

Moderator:

Eng. Agnes Mofia
(Zambia)

LEVEL SESSION 3 SPEAKERS | TIME:12:05PM

Dr. Felicia Agubata (Nigeria)

Eng. Adel Beshara (Egypt)

Ennie Muchulemba (Zambia)

Christine Ogut (Kenya)



WATCHING THE NUMBERS
GENDER DISAGGREGATED
ENGINEERING INDICATORS
(SDG 5)



REGISTRATION LINK

<https://www.zoom.us/j/91024567890>

Eng. Felicia Nnenna Agubata

Eng. Dr. Felicia is the assistant General Manager at the Nigerian Airspace Management Agency with over 20 years professional experience in the aviation industry. She holds a Bachelor of Engineering in Computer Science & Engineering, a Master's degree in Electrical & Electronics Engineering and a PHD in Electrical and Electronics Engineering (Communication Engineering option)

Eng. Dr. Felicia is the recipient of the **2010 Emerging Leader Award** of the Association of Professional Women Engineers of Nigeria. She is a STEM and dream gap advocate, a committed change agent so passionate about girl child education and women empowerment

Eng. Dr. Adel Beshara

Eng. Dr. Adel Beshara is the Co-founder and General Manager of GREESol for Energy and Environment Projects Management, Solar Energy, Renewable Energy and Energy Efficiency with over 40 years professional experience in Energy systems. He is also a Freelancer expert who has worked with different Egyptian and international entities in sustainable energy planning.

He holds a B.Sc. in Mechanical Power Engineering, Postgraduate Diploma in energy conversion, management, planning and economics, MSc in energy systems analysis and a PhD in Energy with a thesis on "Design optimization of large scale central solar thermal water heating systems for big hospitals"



Eng. Ennie Muchelemba

Eng. Ennie is the chairperson for the Zambia Women in engineering section. She has over 25 years' experience in the water and sanitation sector in Zambia. She holds a Masters' degree in Municipal Water and Infrastructure specialization Water Supply Engineering from UNESCO-IHE Institute for Water Education in Delft, the Netherlands, a Bachelors' degree in Chemical Engineering and a Diploma in Industrial Science Technology, both from the Copperbelt University in Zambia.

She is a strong advocate for gender equality and advancement of women in the engineering.

Christine Adongo Ogut

Eng. Christine Adongo Ogut is the chairperson of the Women Engineers chapter of Kenya and a

Council Member of the Institution of Engineers of Kenya. She has 30 years Professional experience in planning, design construction and supervision of road projects in Kenya.

She holds a bachelor's degree in Civil Engineering from the University of Nairobi and a master's degree in Urban Infrastructure Engineering Management from UNESCO-IHE, Institute of Water Education, Delft, Netherlands.

The background of the slide is a light gray world map centered on the Atlantic Ocean. The map is partially obscured by a large, semi-transparent purple shape that covers the top and right sides of the image. In the top left corner, there is a close-up, high-contrast image of mechanical gears. The text "Thank you all for attending" is written in a bold, red, sans-serif font, centered over the map.

**Thank you all for
attending**