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the energy crisis, Hon. Kapala

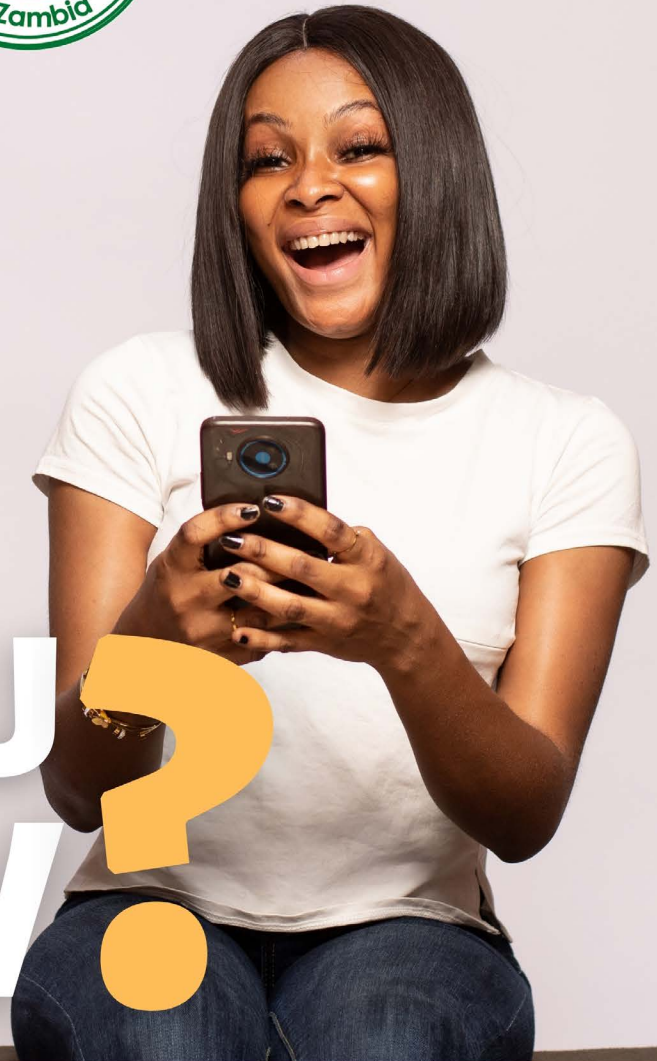
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On the Cover

Eng. Wesley Kaluba was elected new Engineering Institution of Zambia President at the 2024 Annual General Meeting.

The Editorial Team

Editor Eng. Prof. John Siame, Eng. Grain Munakampe

Sub -Editor Ntalasha Yulu

Writer Abigail Hampande

Writer Cynthia C. Ngwengwe

Layout and Graphic Designer didasteez@gmail.com

The Engineering Echo

Stand No 2374, Kelvin Siwale Road, Showgrounds, Lusaka, Zambia.

Tel: +(260) 211 255 161

email: pr@eiz.org.zm, membership@eiz.org.zm

Web: www.eiz.org.zm

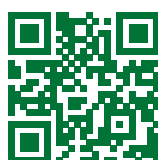
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Foreword from the Editor

Dear Readers,



During the April 2024 Annual General Meeting and Symposium of the Engineering Institution of Zambia (EIZ), Eng. Wesley Kaluba was elected as the new EIZ President and Chairperson of the 62nd Engineering Council, alongside the other elected council members. The new EIZ President expressed gratitude to the voters for their support and urged all members to collaborate, aiming to make EIZ a world-class engineering body.

The Engineering Echo Editorial Team congratulates the new Councillors of the 62nd Engineering Council and wishes them success in their new roles.

In the 66th issue, the Engineering Echo Editorial Team has highlighted EIZ's remarkable achievements in the first quarter of 2024, sharing insightful updates on engineering news and activities. Sure, here are some highlights from the 66th issue of the Engineering Echo Magazine.

- » President Hakainde Hichilema praised EIZ for developing engineering solutions to combat climate change.
- » In a magnificent celebration, EIZ warmly welcomed its newly elected President and the 62nd Engineering Council at the celebratory gala held in Livingstone.
- » During the official opening of the EIZ Northern Region Annual General Meeting in Kitwe on 16th March 2024, Minister of Energy Hon. Eng. Peter Kapala urged engineering professionals to devise alternative solutions to the current electricity crisis caused by reduced water levels in major reservoirs, leading to insufficient

generation capacity and subsequent load shedding.

- » Engineer Kennedy Kanyinji was elected as the Chairperson for the Northern Region Executive during the Northern Region Annual General Meeting.
- » Engineer Elizabeth Kyulabantu Namakando was elected as the Chairperson for the Southern Region Executive during the Southern Region Annual General Meeting.
- » During the official opening of the Southern Region Annual General Meeting in Siavonga on 23rd March 2024, Minister Gary Nkombo urged engineering professionals to claim their space in the profession and not merely be onlookers.
- » During the official opening of the EIZ 67th Annual General Meeting and Symposium in Livingstone, Minister of Technology and Science, Hon. Felix Mutati, emphasized the critical need for a skilled workforce to drive Zambia's industrialization and economic growth.
- » EIZ participated in the Copperbelt Motor Show for the first time, showcasing its commitment to national development.

- » EIZ hosted its first Presidential and Vice-presidential debate on 18th April 2024, marking a significant milestone in leadership insights and public perception of the candidates.
- » In an ongoing commitment to supporting members in need, EIZ has once again provided a grant of K17,000 to Master Craftsperson.

I want to sincerely thank the Editorial Team for their unwavering dedication to bringing the 66th Engineering Echo Magazine to fruition.

The editorial team cordially invites readers to submit articles to contribute to the dissemination of information in the continuously expanding field of engineering.

Your support is greatly appreciated!

I hope you find the content engaging and informative.

Eng. Prof. John Siame

Chairperson of the EIZ publications and Editorial Committee

The Editorial Team



Eng. Grain Munakampe
Editor - Secretary of the Publications and Editorial Committee



Ntalasha Yulu
Sub-Editor and Writer - Public Relations and Marketing Manager



Cynthia C. Ngwengwe
Writer - Communications Officer



Abigail Hampande
Writer - Communications Assistant

Message from the Registrar and Chief Executive Officer

Dear Readers,

The last three months have been the busiest, demanding, and yet most rewarding period of the year. The experiences we had and hurdles we faced, gave us a renewed purpose and clear focus for the success of the year ahead.

The election of Eng. Wesley Kaluba as EIZ President and ushering in of the 62nd Council marks a critical moment for the institution, promising a tenure focused on member welfare, regulatory enhancement and global recognition.

The new President's 7-Point Plan sets a clear roadmap for achieving these goals, ensuring that every member's voice is heard and valued in our collective journey towards excellence.

Eng. Kaluba brings a wealth of experience and a passionate vision for the institution. Under his leadership, we are confident that EIZ will continue to advance its mission of promoting excellence in engineering and fostering a culture of sustainability and innovation.

Navigating through the challenges posed by climate change, it becomes increasingly clear that the role of engineering in mitigating these effects is paramount. The EIZ remains committed to providing innovative and sustainable solutions to combat climate change and ensure a resilient future for our nation.

Our engineering professionals are at the forefront of developing green technologies, renewable energy solutions, and sustainable infrastructure that not only address the immediate impacts of climate change but also lay the foundation for long-term environmental preservation.

The commendation from President Hakainde Hichilema during the 67th EIZ Annual General Meeting and symposium underscores the critical role of engineering in addressing climate change and advancing Zambia's development agenda. It reinforces

our dedication to sustainability and innovation as we strive to create resilient infrastructure and solutions for our nation's challenges.

This commendation is a reminder of the pivotal role we play in shaping a sustainable future. Our expertise and innovative thinking are crucial in driving the change needed to protect our environment and communities.

The institution has continued to play its advisory role to the government on matters of engineering and in doing so recently participated in the groundbreaking ceremony of the Ndola-Lusaka dual carriageway connecting Ndola, Zambia's industrial powerhouse, to the bustling capital, Lusaka. This key transportation artery once complete will enhance the nation's economy, facilitating the smooth flow of goods and services.

As a way of continuity, the institution held the first ever Past President's forum aimed at leveraging the collective wisdom of former thought-leaders, tapping into their past experiences and strategizing for the future of the engineering profession in Zambia.

The platform provided an opportunity for open expression, addressing numerous current challenges and bringing to the fore, forward-thinking actions and planned collaborations.

We have also continued to help our members through the Benevolent Fund and recently gave out K17,000 to Master Craftsperson Eric Chisanga in his time of need.



The institution participated in the Copperbelt Motor Show for the first time and later participated in the Copperbelt Agricultural Mining Industrial Networking Enterprise (CAMINEX) scooping an award as Best Regulator Organization, second place.

As we move forward, let us remain committed to our mission of fostering innovation, collaboration, and excellence in all our endeavours. I encourage you all to stay engaged, share your ideas, and continue to support one another as we navigate the exciting challenges and opportunities ahead.

We look forward to your continued support and active participation as we work together to address the pressing challenges of our time.

Thank you for being a part of our vibrant institution. I look forward to celebrating more achievements and milestones with you in the coming months.

Enjoy your reading!

Eng. David Kamungu



Eng. Wesley Kaluba is new EIZ President

Eng. Wesley Kaluba was elected as new Engineering Institution of Zambia (EIZ) President at the 2024 Annual General Meeting.

His victory over two other candidates also makes him Chairperson of the 62nd Engineering Council.

Also elected to Council is Eng. Kennedy Musonda retaining his position as Vice President for Policy, Public Relations and National Development, Eng. Chansa Musonda as Vice President Finance and Administration while Eng. Edith Mwale takes the mantle as Vice President for Membership and Continuous Professional Development.

Eng. Nsofwa Malunga was elected as Engineers' representative, while Teg. Princess Sampa was elected as Technologists' representative. Tec. Chola Kombe got the position of Technicians' representative and Cra. Felix Masala as Craftspersons' representative.

Meanwhile, Eng. Lucky Simukonda went unopposed for the position of Engineering Organisations' Representative.

The new EIZ President thanked all voters for giving him the support and electing him as the new leader of the institution.

He also thanked the outgoing Council for their dedication to achieving the goals of the institution.

He called on all members to work as a team to make EIZ a world class engineering body.

Up-Close with New EIZ President, Eng. Wesley Kaluba

In this edition of the Engineering Echo newsletter, EIZ Public Relations Manager Ntalasha Yulu sits down and gets up-close and personal with the newly elected President Eng. Wesley “Wyman” Kaluba as he spells out his vision for the institution. Eng. Kaluba also talks about some policies he is passionate about and how he plans to ensure that all members are heard and their needs are met.



Ntalasha: Let me start by congratulating you on your victory as EIZ President. How do you feel?

Wyman: Thank you so much Ntalasha. I feel energised to be elected President of this prestigious institution of highly intellectual professionals. To be honest, the approval makes me feel more confident than the challenge itself.

Ntalasha: Tell me a bit about yourself.

Wyman: I was born in Mufulira and grew up in Mindolo, Kitwe. I love reading, I write and collect anecdotes for fun. I also study and casually play Chess. I listen to several genres of music though reggae and Kalindula are my top favourites. I'm married to a beautiful lady and we are blessed with 3 kids; 2 boys and a naughty girl whom I fondly nicknamed “My Lil Miss Sunshine”. I'm a devoted Catholic.

Ntalasha: Wow! Interesting. What are your top priorities for your tenure and how do they align with the long-term vision for our institution?

Wyman: Generally, I would like to drive transformation of our institution towards uplifting member welfare while enhancing our regulatory framework. My 7-Point Plan focuses on reviewing our Legal Framework and aligning it to both member and stakeholder expectations. Secondly, I would like to establish an Engineering Fund that will support engineering start-ups and provide access to affordable capital for our ideas to improve livelihoods. Further, I would like to boost member participation in the governance of our institution while enhancing platforms for stakeholder engagement. I would also like to revitalize Our Brand, make it more enviable to the external environment, and a pride to every subscriber. I'm also interested in setting up an interactive mechanism that supports and promotes continuous learning and growth within the institution, an advanced Enterprise Resource Planning ERP System for Enhanced Continuous Professional Development MCPD. Even an off-the-shelf system adapted to the EIZ case study would do as a start and later others can improve it. Finally, I want to promote meritorious practice and embrace members who achieve high standards

while at the same time setting high standards for ethical conduct.

Ntalasha: How do you envision our institution evolving over the next few years, and what steps are being taken to prepare for those changes?

Wyman: In the last 14 years, the EIZ has grown significantly but that growth has stalled because of churn due to member dissatisfaction. In the next chapter, the EIZ shall experience exponential growth while retention of active members shall be high. To achieve this, we have to introduce sustainable measures that not only promote member welfare but also protect members. If we are satisfied as members, we shall inspire confidence in the public and external stakeholders such as the government. To achieve all these, we have to get to the basics such as revisiting our statutes and aligning our provisions with the expectations of both our members and external stakeholders. I know this is not easy because as engineers we often derive satisfaction from pursuing complexity. But this is the turnaround we are promoting



“

“My message to our members is that now is the time to be part of the governance of our institution. As engineers, we are trained to solve problems and not to complain about what is not working. My Council is determined to include as many as possible of our members and we have opened the door. To our stakeholders, the EIZ is set to be more practical and participative in the socioeconomic development agenda of our country. We want to work with all stakeholders to make this transformation a reality for the benefit of our country.”

Eng. Wesley Kaluba
EIZ President

in our abridged version of the 7 Point Plan I spoke about earlier.

Ntalasha: What initiatives or policies are you most passionate about, and why?

Wyman: I'm personally passionate about sustainability. Our strategies and policies have to be able to promote satisfaction in both our membership and the people we aim to serve. I believe that true success occurs only when it inspires satisfaction in the target group.

Ntalasha: How can all members actively participate in shaping the future of the institution?

Wyman: We can draw a large portion of our members to participate in the governance of the institution if we deliberately promote inclusion. How can this be achieved? By allowing all our members to contribute to the functions of the Engineering Council as stated under Part 3, Section 9 of the Act. We have to find a way to devise mechanisms that inspire and motivate members in Sections and Branches to be part of the governance and discharge of the institutions' functions and services. We have to be deliberate about this in order to turn around the current situation of apathy

Ntalasha: How do you plan to collaborate with other stakeholders and further

promote global recognition for the engineering profession in Zambia?

Wyman: We shall do a stakeholder mapping and each segment of the stakeholder map shall be assigned a unique and effective approach for engagement. A one-size fits-all approach only leads to failure.

To attain global recognition, we have to actively drive towards the attainment of the Washington Accord. After that, we shall pursue the Sydney and the Dublin Accords which are multilateral agreements for world-renowned professional bodies for engineering professionals. We shall work with local partners to pursue these ambitious goals which ultimately shall promote our brand and recognition.

Ntalasha: How do you plan to ensure that all members are heard and their needs are met?

Wyman: Every class and category will have to be part of the strategic committees designed to drive our transformation. Firstly, identify and include members in each class and category who are passionate about this transformation then set them as ambassadors to recruit others within their circles to do the same. Members should not only be part of the execution but also the planning phase. That way, we shall be able to measure satisfaction in all our member groups.

Ntalasha: Some people seem not to understand the full benefits of being a member. How will you ensure that members appreciate the available benefits, and/or is there anything new this Council intends to bring forth?

Wyman: I agree with that. Sadly, very few of our members understand our ACT and what we are capable of doing legally. The Act Review process should also serve as a member sensitization drive. Participation alone should be able to bring benefits of belonging. My Council wants to bring tangible benefits such as the Engineering Fund.

Ntalasha: Finally, what is your message to the members and other stakeholders?

Wyman: My message to our members is that now is the time to be part of the governance of our institution. As engineers, we are trained to solve problems and not to complain about what is not working. My Council is determined to include as many as possible of our members and we have opened the door. To our stakeholders, the EIZ is set to be more practical and participative in the socio-economic development agenda of our country. We want to work with all stakeholders to make this transformation a reality for the benefit of our country.



President Hichilema commends EIZ for engineering solutions towards climate change

President Hakainde Hichilema has commended the Engineering Institution of Zambia (EIZ) for championing engineering solutions to combat climate change.

Speaking in a video address during the 67th Engineering Institution of Zambia Annual General Meeting and Symposium in Livingstone, Mr. Hichilema said he was delighted to learn that there was an actionable paper being presented on engineering solutions to the impacts of drought caused by climate change during the event.

“Zambia like the rest of the world has been confronted with the greatest challenge of our generation; climate change. We are happy to hear that you will be presenting a concise actionable paper on engineering solutions to the impact of drought caused by climate change,” he said.

The President said with the rapid increase in infrastructure development and an increase in the Constituency Development Fund, the country needs expertise of the engineering professionals to be brought to the fore.

“We therefore call upon the Engineering Institution of Zambia to ensure that Contractors who have been engaged to undertake engineering projects are monitored to ensure that there is professionalism and projects stand the test of time,” he said.

He said all engineering works delivered must be of acceptable standards for the

benefit of the Zambian people and the economy.

He further commended the EIZ for the strides made to get accredited to the International Engineering Alliance.

And Minister of Infrastructure, Housing and Urban Development, Eng. Charles Milupi called on engineering professionals to use their engineering knowledge and training to support government’s economic recovery and growth agenda by offering practical solutions to the many development challenges faced by the country.

“In line with your chosen theme, I want to challenge you to apply yourselves to the building of resilient livelihoods for our people. We must safely guard and sustain the economic base of our people through home-grown solutions from our engineering professionals,” he said.

Hon. Milupi further urged engineering professionals to come up with innovative and creative solutions to support development efforts in the country.

He said the country needs to move away from just adopting other people’s innovations and have something it can also own.

“It’s time we started making our innovations and breakthroughs,” he said.

Meanwhile, EIZ’s Immediate Past President Eng. Abel Ng’andu said EIZ will continue taking the lead charge in collaboration with the other stakeholders to confront climate change and fight for a better economy to improve the quality of life.

“Engineering professionals have a vital role in designing and constructing sustainable infrastructure that can withstand the impacts of climate change. In the wake of load-shedding, engineering professionals can also create alternative energy sources such as geothermal power, solar power, and biomass energy to complement hydroelectricity,” he said.

He added that EIZ was ready for continuous dialogue with government and other stakeholders to build the engineering pipeline needed for the future and develop a balance of technical, commercial, and entrepreneurial industries that will solve societal problems.

“Without the necessary technical expertise, government becomes prescriptive and risk-averse because it is not able to understand, and manage the risks associated with an innovative solution. That is why, our voice, cannot be overlooked,” Eng. Ng’andu said.

EIZ welcomes new leadership amid celebratory gala

In a grand celebration, the Engineering Institution of Zambia (EIZ) welcomed its newly elected President and the 62nd Engineering Council. The celebration attended by distinguished guests was a testament to the unity and strength of the engineering fraternity in the country.



First Quantum Minerals (FQM) Country Manager Eng. Dr. Godwin Beene who was the Guest of Honour stressed the importance of the engineering profession in national development and called for continued collaboration between the government and EIZ.

And newly elected President Eng. Wesley Kaluba thanked the members for placing their trust and confidence in him and pledged to work tirelessly alongside the councillors and the entire EIZ community to advance the institution's goals and uphold its values.

"I am humbled by your trust in me and I commit to serving our institution and profession with profound humility and dedication," Eng. Kaluba said.

He emphasized the critical role engineering professionals play in driving the country's

economy and tackling pressing issues such as climate change, energy, infrastructure, and water management.

"We appreciate the recognition of the vital role engineering professionals play in our country's development," the new President echoed. "We are committed to addressing challenges in various sectors, including energy, agriculture, mining, and transportation."

And Immediate Past President Eng. Abel Ng'andu expressed his gratitude to all the members and partners who supported him throughout his tenure. "

Reflecting on the past four years, Eng. Ng'andu highlighted the successful completion of two major projects: the state-of-the-art Engineering House and the Northern Region Office Building.

"As I conclude my tenure, I am proud to say that we have left the institution in a better state than when we found it," Eng. Ng'andu said. "The contributions made by the Council, our sponsors, partners, and all members have been invaluable. I urge everyone to continue supporting the new leadership as they steer our institution forward."

The evening was marked by a sense of celebration and camaraderie as guests shared excitement for the night's entertainment, expressing their love for Zambian music and dancing to the performances of Amayenge and Izrael.

Let us work together to resolve the energy crisis, Hon. Kapala

Hon. Eng. Kapala

Minister of Energy Hon. Eng. Peter Kapala has urged engineering professionals to come up with alternative solutions to the electricity crisis the country is currently experiencing.

He was speaking during the official opening of the EIZ Northern Region Annual General Meeting which was held in Kitwe on 16th March 2024.

Hon. Kapala said the current load shedding is as a result of the reduced water levels in the major reservoirs which has caused insufficient generation capacity.

“Load shedding is upon us. The electricity crisis we have is showing a gap in our application of engineering and infrastructure development. As government, we cannot solve this alone. We need to work in collaboration with other stakeholders and we need

engineering professionals to take the lead charge,” Eng. Kapala said.

He said engineering professionals are key to designing and managing systems and technologies to beat climate change, strengthen systems, and bolster supply chains.

Meanwhile Northern Region’s immediate past Chairperson Eng. Chansa Musonda called on engineering professionals to stay committed to the

region’s activities and help find solutions to engineering problems.



Teg. Namakando

Elizabeth Namakando elected as new Southern Region Chairperson

Teg. Elizabeth Kyulabantu Namakando is the new Chairperson for the Southern Region Executive.

Teg. Namakando was elected during the Southern Region Annual General Meeting that was held on 23rd March 2024 in Siavonga.

Also elected in the executive is Teg. Muwanei Brian Mayuni as Vice Chairperson, Telfer Ndumba as Engineers’ Representative, Frank Mumba as Technologists’ Representative, Jonathan Kabaso as Technicians’ Representative, and Cylicah Nakamba as Craftspersons’ representative.

In her remarks, Teg. Namakando expressed gratitude towards the members for their support and boldly urged engineering professionals to take up the challenges of climate change that the country is currently facing.

Don't allow non- engineering professionals to take over your space, Gary Nkombo



Hon. Gary Nkombo

Minister of Local Government and Urban Development Honourable Gary Nkombo has urged engineering professionals to claim their space in the profession and not merely be on-lookers.

Hon. Nkombo was speaking when he officially opened the Southern Region Annual General Meeting in Siavonga this 23rd March 2024.

“There are a lot of people masquerading as engineering professionals in the construction sector, and this is a trend we are going to reverse because it compromises the very essence of your existence to assure quality,” he said.

He further said the government was committed to ensuring that all Engineering professionals were compliant and in good standing with the Institution.

Hon. Nkombo said government recognizes the Engineering Institution of Zambia's



Eng. Linus Chanda making a contribution during the Southern Region AGM

pivotal role in driving infrastructural development and innovation across the country.

And EIZ President Eng. Abel Ng'andu said the newly elected executive must put the interests of the members before their own and ensure that they fulfil promises for the good of the institution.

He also urged members of the Southern Region to give full support to those that have been elected.

Meanwhile Past Southern Region Chairperson Eng. Dumisani Nhkata thanked the members for their support during his term and urged them to support the newly elected executive.

President Hichilema Visits EIZ Stand

The Engineering Institution of Zambia (EIZ) was privileged to be visited by His Excellency, the President of the Republic of Zambia Mr. Hakainde Hichilema at their exhibition stand during the CAMINEX.

President Hichilema applauded the institution for the innovation of the electric bicycle that was exhibited by Arcus Energy.

The President commended the EIZ for championing innovations and pledged to support more.

Referring to the electric bicycle, President Hichilema said "this will cut down our fuel import bill".



President Hichilema during his visit at the EIZ stand

And EIZ President Eng. Wesley Kaluba said, "Your Excellency, these are projects that we are incubating as EIZ. We identify and take innovations, creativity, small scale businesses and use our platform to give them access to market".

Chief Executive Officer for Arcus Energy Eng. John Katepa expressed gratitude to the EIZ for supporting his innovation.

"You're the man", President Hichilema said to Eng. John Katepa.

EIZ Grants K17,000 to member under the Benevolent Fund

In our ongoing commitment to supporting members in their time of need, the Engineering Institution of Zambia (EIZ) has once again granted of K17,000 to Master Craftsperson Eric Chisanga.

In his remarks, MCra. Chisanga thanked the institution for coming to his aid when he needed financial assistance.

"I want to thank the institution for coming to my aid and further urge those who have not yet joined EIZ to register and benefit from this great institution," he said.

And EIZ Deputy Registrar and Director Operations Eng. Kabwe Musonda said EIZ shall continue to support and uplift

its members, embodying the spirit of unity that defines the institution.

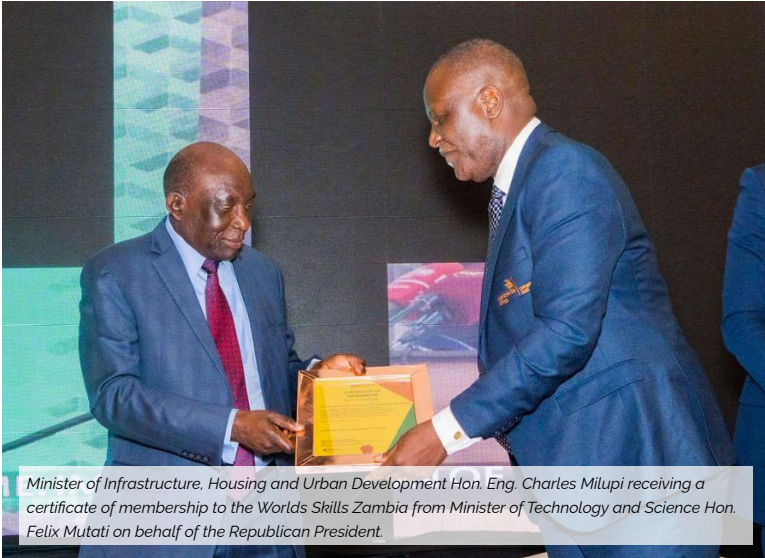
"The Benevolent Fund is an essential component of our membership benefits, designed to provide financial assistance to members during times of hardship or unexpected circumstances," Eng. Musonda said.

"It reflects our organization's commitment to supporting each other and fostering a sense of solidarity within our community."



MCra. Chisanga displays his cheque after being awarded the grant

PHOTO FOCUS



Minister of Infrastructure, Housing and Urban Development Hon. Eng. Charles Milupi receiving a certificate of membership to the Worlds Skills Zambia from Minister of Technology and Science Hon. Felix Mutati on behalf of the Republican President.



EIZ Immediate Past President Eng. Abel Ngandu handing over the Instrument of power to newly elected President Eng. Wesley Kaluba during the EIZ gala dinner



EIZ Properties Board Chairperson Eng. London Mwafuliwa during the EIZ gala dinner



Zambezi River Authority CEO Eng. Munyaadzi Munodawafa receiving an award on behalf of his organisation for its outstanding support to the engineering profession



From left to right, EIZ Vice President MCPD Eng. Edith Mwale, Vice President F & A Eng. Chansa Musonda and Vice President PPRND Eng. Kennedy Musonda after being announced as the elected Vice Presidents, during the 2024 AGM

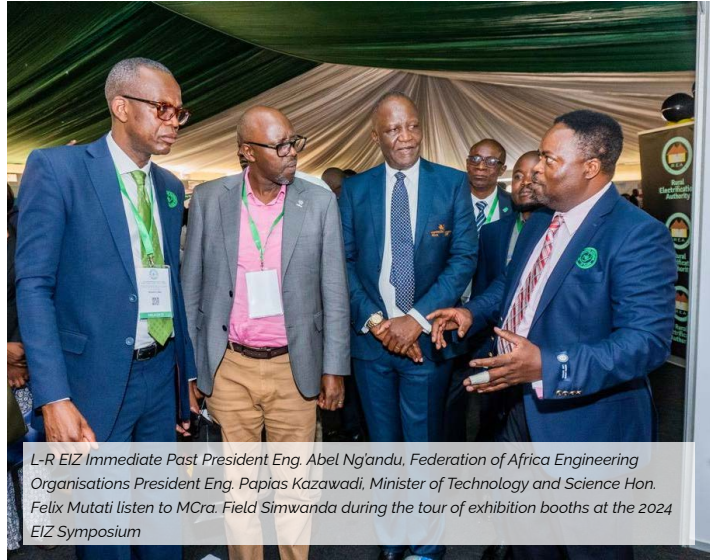


The bottom right picture, caption should read as Zambia Women in Engineering Section University Representative Dr. Mweene Himwinda, far right chats with fellow members during the Women's conference.

PHOTO FOCUS



Fellows citing the cradle after being conferred.



L-R EIZ Immediate Past President Eng. Abel Ng'andu, Federation of Africa Engineering Organisations President Eng. Papias Kazawadi, Minister of Technology and Science Hon. Felix Mutati listen to MCra. Field Simwanda during the tour of exhibition booths at the 2024 EIZ Symposium



Members following proceedings of the Southern Region AGM



L - R, Eng. Yoram Sinyangwe, Eng. Prof. John Siame and Eng. Grain Munakaampe during the 2024 Symposium



EngRB Board Chairperson Eng. Dr. Micheal Nsefu and Vice President PPRN Eng. Kennedy Musonda during the 2024 Northern Region AGM



Members following proceedings during the Northern Region AGM in Kitwe

Mutati urges EIZ to lead skills development ahead of 2025 WorldSkills Africa Competition

In a bid to bolster the nation’s technological and scientific capabilities, the Minister of Technology and Science, Hon. Felix Mutati, has urged the Engineering Institution of Zambia (EIZ) to take a proactive role in advancing skills development across the country.

Speaking when he made a presentation during the official opening of the EIZ 67th Annual General Meeting and Symposium in Livingstone, Hon. Mutati emphasized the critical need for a skilled workforce to drive Zambia’s industrialization and economic growth.

He said engineering professionals play a pivotal role in building a nation and called upon the institution to spearhead initiatives that will cultivate technical expertise and innovation.

“Zambia stands at the cusp of a technological revolution, and our engineering professionals are at the heart of this transformation, EIZ must champion the

development of robust training programs and partnerships that will equip our young people with the skills necessary to thrive in a rapidly evolving global landscape,” he said.

He said as Zambia prepares to host the prestigious 2025 WorldSkills Africa competition, EIZ must take a lead in ensuring that issues of quality and skills enhancement are prioritized.

“The forthcoming WorldSkills Africa competition is not just an event; it is an opportunity for Zambia to demonstrate its commitment to excellence in technical and vocational training. The Engineering Institution of Zambia must lead the charge



Hon. Mutati

in ensuring that our youth are equipped with the skills necessary to excel in various trades and professions,” he said.

Hon. Mutati said government is committed to raising access to skills training amongst the youths evidenced by the increase in the CDF aimed at financing access to skills training.

He further urged the new EIZ President to leave a legacy of having hosted a successful WorldSkills Africa competition.

Kanyinji is new Northern Region Chairperson

Eng Kennedy Kanyinji is the new Chairperson for the Northern Region Executive.

Eng. Eng. Kanyinji was elected during the Annual General Meeting that was held in Kitwe on 16th March 2024.

Also elected in the executive is Eng. Raphael Chipimo Chimfwembe as Engineers’ Representative, Teg. Elias Malama as

Technologists’ Representative, Tec. Clarence Chilufya as Technicians’ Representative, and Cra. Reagan Musonda as Craftspersons’ representative.

Eng. Kanyinji thanked the members for giving him support and pledged to work for the good of the region by ensuring that all members are involved in activities.

And EIZ President Eng. Abel Ng’andu called on the newly elected executive members to put the interests of the members first and ensure that promises are fulfilled for the good of the institution.

“I would like to urge everybody in this region to give full support to the newly elected executive,” Eng. Ng’andu said.



Eng. Kanyinji being congratulated by Eng. George Munakombwe after being announced as the new regional chair.



Engineering Institution of Zambia makes debut at Copperbelt Motor Show, gets award

The Engineering Institution of Zambia (EIZ) participated in the Copperbelt Motor Show for the first time, showcasing the institution's prowess and dedication in championing national development and improving the quality of life.

The event attracted a broad spectrum of visitors, including government officials, industry leaders, engineering enthusiasts, and general members of the public.

Copperbelt Minister Hon. Elisha Matambo who toured various stands emphasized the importance of ensuring that skilled persons are formally recognized and registered to enhance the quality and credibility of the engineering profession in Zambia.

Addressing these concerns, EIZ Public Relations and Marketing Manager Ntalasha Yulu highlighted the institution's ongoing efforts to register individuals with relevant engineering skills.

Mrs. Yulu explained that EIZ has established a strategic partnership with the Technical Education, Vocational, and Entrepreneurship Training Authority (TEVETA), which plays a crucial role in this process.

She said TEVETA conducts rigorous trade tests to assess the competencies of skilled persons, thereby ensuring that only qualified individuals are registered by EIZ.

“The collaboration with TEVETA is instrumental in our mission to uphold high standards within the engineering profession. Through their comprehensive trade tests, we can accurately verify the skills and qualifications of individuals, ensuring that they meet the required benchmarks,” she said.

She said the partnership aligns with EIZ's broader goal of promoting professional excellence and supporting the development of a highly skilled workforce in Zambia.

She further said by facilitating the registration of skilled workers, EIZ not only enhances the credibility of these individuals but also contributes to the overall advancement of the engineering sector in the country.

Mrs. Yulu said the Copperbelt Motor Show provided a valuable platform for EIZ to engage with various stakeholders, including prospective members, industry partners, and policymakers.

The institution's participation underscored its commitment to fostering innovation, skill development, and professional growth within the engineering community.

“As EIZ continues to navigate the evolving landscape of engineering education and registration, the collaboration with TEVETA and other key stakeholders will remain pivotal. The institution's proactive approach to addressing the concerns raised by Minister Matambo reflects its dedication to maintaining the highest standards of engineering practice in Zambia,” she said.

At the same event, the Engineering Institution of Zambia was awarded for its contribution to national development and also as a partner of the 2024 Copperbelt Motor Show.



EIZ holds first Presidential and Vice- Presidential debate

In a historic moment for the Engineering Institution of Zambia (EIZ), the institution hosted its inaugural Presidential and Vice-presidential debate on 18th April 2024 marking a significant milestone in providing leadership insights and solidifying public perception of the candidates.

With a deep sense of anticipation in the air, members and stakeholders eagerly gathered to learn more about the candidates and hear their arguing points.

As the event commenced, candidates took to the stage, each armed with their visions, ideas, and plans to steer the institution forward. Moderated by Franklin Tembo Jr, the debate explored several topics crucial to the future of engineering in Zambia.

From discussions on advancing technological innovation to promoting inclusivity and diversity within the engineering field, candidates articulated their strategies with poise and conviction.

The debate provided a platform for candidates to not only showcase their leadership acumen but also to engage with

the concerns and aspirations of their fellow engineering professionals.

Amidst spirited exchanges and thoughtful reflections, the debate underscored the depth of talent and dedication within the engineering profession. It served as a testament to the EIZ's commitment to democratic principles and transparent governance.

In the aftermath of the debate, attendees expressed admiration for the calibre of discourse and the professionalism exhibited by the candidates. Many remarked on the significance of this event in elevating the profile of the engineering profession and fostering a culture of active participation and accountability.

Looking ahead, the Engineering Institution of Zambia stands poised on the point of a new era, guided by visionary leadership and

a steadfast commitment to excellence. The inaugural Presidential and Vice-Presidential debate served as a cornerstone in this journey, igniting a spirit of unity and purpose among engineering professionals across the nation.

As the dust settled and the echoes of debate faded, one thing remained abundantly clear – the future of engineering in Zambia is in capable hands, fuelled by the passion, innovation, and determination of its members.



Hon. Felix Mutati honours EIZ outgoing President with prestigious award

Minister of Technology and Science, Hon. Felix Mutati awarded outgoing President of the Engineering Institution of Zambia (EIZ), Eng. Abel Ng'andu with a certificate of leadership and recognition, as a bonafide member of World Skills Zambia.

The ceremony was held during the official opening of the 67th EIZ Annual General Meeting and Symposium that was held in April this year.

In his remarks Eng. Ng'andu said it had been a great honour to be entrusted with the position of president, leading eminent experts in the engineering industry, coming from various parts of the country.

“Thank you for the support rendered to me during my tenure, the journey has been very fulfilling and truly rewarding. As president, my focus was on creating value for our members and for this great country, forging ahead together, bridging gaps, and championing progress,” he said.

Staff Appointment



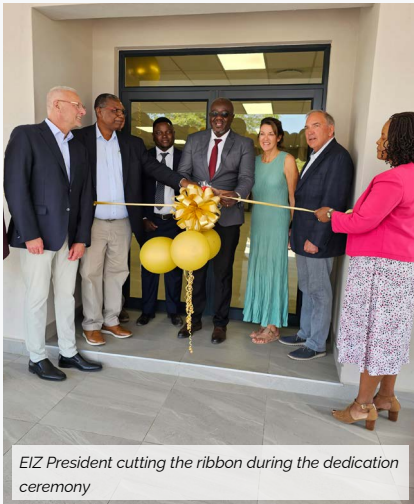
Tome Agness Mwanza - Programme Officer Northern Region

Ms. Mwanza holds both a master's degree in Management Strategy and a Bachelor's Degree in Business Administration from the University of Zambia and the Copperbelt University respectively. A skilled, dedicated, and organised individual who is looking forward to contributing positively to the effective and efficient management of the membership and continuous professional development of the Engineering Institution of Zambia.

Before joining the Engineering Institution of Zambia as a Programme Officer, she worked as a Wealth Consultant for Prudential Life Assurance Company in the Copperbelt province.

EIZ President graces the Dedication (d) ceremony of engineering building at Northrise University

EIZ President Eng. Wesley Kaluba graced the dedication ceremony of the State-of-the-art engineering building at Northrise University on 31st May 2024, in Ndola.



EIZ President cutting the ribbon during the dedication ceremony

The Preside was accompanied by Vice President, Finance Eng. Chansa Musonda, Immediate Past President,

Eng. Abel Ng'andu and EIZ Registrar Eng. David Kamungu.

Speaking at the event, Eng. Kaluba emphasized the need for young engineering professionals to bring forward new ideas and solutions to address societal challenges, particularly in the face of the devastating effects of climate change in the country.

“We need students, through their curriculum, to harness the power of Artificial intelligence and make historical breakthroughs,” he said.

He urged the students to also remain compliant as they prepare to transition into the industry.

And Chairperson of the Northrise Engineering Committee, Joe Aikins, remarked that the university now provides a means for future African engineering professionals to achieve their dreams.

He noted that the completion of the building is a milestone in establishing a vision of Christ-centered individuals in Zambia, Africa, and the world at large.

The new facility at Northrise University is expected to contribute significantly to the education and training of future engineering professionals, equipping them with the skills and knowledge necessary to tackle modern challenges through innovative solutions and advanced research in AI.

EIZ holds Past Presidents’ Forum

The Engineering Institution of Zambia (EIZ) held its inaugural Past Presidents’ forum dinner on 5th June 2024 at Latitude 15 Boutique Hotel, in Lusaka.

This historic dinner meeting aimed at leveraging the collective wisdom of former thought-leaders, tapping into their past experiences, and strategizing for the future of the engineering profession in Zambia.

The platform provided an opportunity for open expression, addressing numerous current challenges and bringing to the fore, forward-thinking actions and planned collaborations.

Amongst the range of insightful discussions was reviewing the EIZ Act, the International Engineering Alliance affiliation, the role of engineering in

national development, EIZ’s input in the Constituency Development Fund (CDF), and the importance of sustainable practices in the industry.

Other conversations included the need for increased dialogue with the government and strategies for member organizations to create internships for young engineering professionals.

The forum emphasized the importance of influencing industry policies, preparing position papers, and fostering networking sessions to cultivate a spirit of unity and collaboration.

The collective knowledge and experience of these esteemed professionals underscored the significant contributions of the engineering sector to Zambia’s progress and development. This meeting also allowed past Presidents to reflect on their tenures and offer guidance to current EIZ leaders.

The success of the first-ever Past Presidents’ forum marks a pivotal moment for EIZ, reinforcing its commitment to fostering a vibrant and dynamic engineering community.

The insights and recommendations generated from this event are expected to

The Ndola – Lusaka dual carriageway: a lifeline for Zambia’s economy

The Ndola-Lusaka dual carriageway is more than just a road—it's a vital lifeline connecting Ndola, Zambia's industrial powerhouse, to the bustling capital, Lusaka. This key transportation artery supports the nation's economy, facilitating the smooth flow of goods, raw materials, and commuters.

Recent construction aims to boost the road's capacity, ensuring it meets modern standards to handle the heavy daily traffic of commercial and private vehicles. These upgrades are essential for fostering trade and industry growth, making the dual carriageway a cornerstone of Zambia's economic infrastructure.

During the groundbreaking ceremony for the construction of the Ndola-Lusaka dual carriageway held on 21st May 2024, Engineering Institution of Zambia (EIZ) President Eng. Wesley Kaluba highlighted the institution's dedication to professionalism and emphasized the role of the Institution in this major project which is to ensure the ultimate delivery of a road that will stand the test of time.

Eng. Kaluba emphasized the need for increased local involvement in project supervision and the supply of construction tools. This approach aims to ensure that a significant portion of the project benefits local businesses, ultimately enhancing the safety, reliability, and durability of the dual carriageway.

He stressed the importance of boosting local participation not only to deliver quality, timely, and cost-effective construction works, but also to support the local economy. He highlighted that involving more local contractors would ensure that the road is built to meet the specific needs and conditions of Zambia.

“The project, which connects the mining provinces from the North-South

corridor and subsequently to South Africa and neighbouring countries, holds strategic importance for Zambia and the SADC region. The Ndola-Lusaka dual carriageway serves as a crucial component of Zambia's economic infrastructure,” he added.

Recent improvements and a commitment to engaging local contractors are set to make the dual carriageway safer, more reliable, and more efficient. These developments will strengthen trade and industry, leading to significant economic benefits for Zambia and its people.

inform future initiatives and drive the institution's mission to regulate and promote the engineering profession for optimal human resource development and societal benefit.

This event stands as a testament to the enduring legacy of its leaders and their unwavering dedication to the growth and development of the engineering profession.

The Past Presidents present at the event included Eng. Jorry Mwenechanya, Eng. Tom Kamwendo, Eng. George Sitali, Eng. Dr. Godwin Beene, Eng. Mundia Muya, and Eng. Bernard Chiwala.

Others were Eng. Abel Ng'andu, Eng. Kennedy Nyirenda, Eng. Charles Sakanya, Eng. Henry Musonda, Eng. Sydney Matamwandi and Eng. Eugene Hazele.



Far right – EIZ President Eng. Wesley Kaluba with Past Presidents during the Past President's forum



EIZ Secretariat celebrates the award

EIZ Scoops award at the CAMINEX

The Engineering Institution of Zambia (EIZ) scooped an award as the best regulator organization, second place at the Copperbelt Agricultural Mining Industrial Networking Enterprise (CAMINEX) which was held from the 28th to 30th of May 2024 under the theme, **Unlocking opportunities for growth: Zambia's land linked position**

Interpreting the theme, the EIZ echoed its critical role as the major driver for sustainable socio-economic development, the key to unlocking opportunities for growth of the country.

Engineering and economic development move side by side, as the former is the enabler of the latter. So, for any economy to thrive, engineering has to be prime and fundamental. It's imperative therefore that in discussing national development and growth, the role of the engineers is prioritized.

There's usually no meaningful economic growth without engineering inputs, which explains why engineering has a proportional relationship with development; and national development is measured largely by the quality of engineering activities in any country.

And this is where the EIZ as a regulator comes in. EIZ regulates the engineering practice in Zambia to make sure that there is quality and sustainability in engineering works being delivered, alongside, professionalism and adherence to the codes of ethics. EIZ ensures that engineering professionals possess the necessary knowledge and skills to perform their work effectively and responsibly. This contributes to the overall quality and reliability of engineering projects and services and determines what kind of economy Zambia will have. EIZ is the key and anchor to ensuring that the wheels of the economy keep turning by scrutinizing all engineering practitioners so that they deliver the best quality works that will stand the test of time.

And to have a great economy, engineering works have to be excellent. And that is why for engineering professionals it is not

business as usual, but being radical and aggressive to ensure that all sectors of the economy are thriving.

As we forge ahead to economic recovery, we are increasingly reliant on engineering – indeed it affects every aspect of our daily lives – from the water we drink, the roads we need for transportation, healthcare, and agriculture for food, to the electricity we need for production.

Therefore, in line with this year's theme; unlocking opportunities for growth, EIZ continues to play its pivotal role in regulating engineering works in transportation infrastructure to create trade routes. These are roads, bridges, railways, and other transportation modes. The institution has a responsibility to regulate works on the maintenance of the TAZARA railway to connect it to Tanzania for trade. EIZ will also

champion engineering works on the Lobito corridor creating yet another link from the Copperbelt into Congo DR.

The institution continues to regulate engineering practices in mining leading to the development of new industries and sectors, which in turn, will foster economic resilience.

EIZ is also harnessing the power of Artificial Intelligence by unlocking initiatives that will be able to predict weather patterns and drought. By doing so, EIZ hopes to promote food security in the country, ensuring that farmers are better equipped to deal with the challenges of climate change.

The institution is encouraging engineering professionals to lead the development of innovative, cost-effective technologies tailored to the needs of farmers. By

combining modern engineering and design principles, EIZ is encouraging its members to develop efficient and affordable machinery, making mechanization achievable for farmers across the nation and neighbouring countries.

Through collaboration with other regional engineering bodies, EIZ facilitates technology transfer initiatives to adopt innovative solutions and best practices in infrastructure development. This includes leveraging advancements in construction techniques and digital technologies to improve the efficiency and quality of infrastructure projects.

EIZ is in the process of producing the Infrastructure Report Card 2(IRC2) following the emerging of new infrastructure in the country, and assessing the obsolete ones.

The Engineering Institution of Zambia (EIZ) through the infrastructure report Card (IRC) gives a precise inventory of all public infrastructure in the Country i.e., roads, rails, airports, bridges, solid waste, and energy. This allows for the proper allocation of resources and policymaking.

Capacity building has been at the heart of the institution since its inception. EIZ is offering training programs, workshops, and seminars to build the capacity of local engineers, technicians, technologists, craftpersons, and skilled people in infrastructure development. By enhancing local expertise, Zambia can reduce reliance on foreign contractors and consultants, leading to cost savings and sustainable development.

EIZ pays courtesy call on First Quantum Minerals

One of the functions of the EIZ is to advise to government and other stakeholders on engineering-related matters. Through its advice to the government, EIZ is advocating for policies and regulations that support sustainable infrastructure development, including investment incentives, procurement practices, and standards compliance. By engaging with policymakers and stakeholders, EIZ influences decision-making processes to prioritize infrastructure investments and address regulatory bottlenecks.

Through parliamentary submissions, EIZ promotes research and innovation in infrastructure-related fields, such as renewable energy, smart transportation systems, and green building technologies. By fostering a culture of innovation, Zambia

can develop cutting-edge solutions to take advantage of its position as land-linked country and seize opportunities for economic growth, and engineering takes center stage.

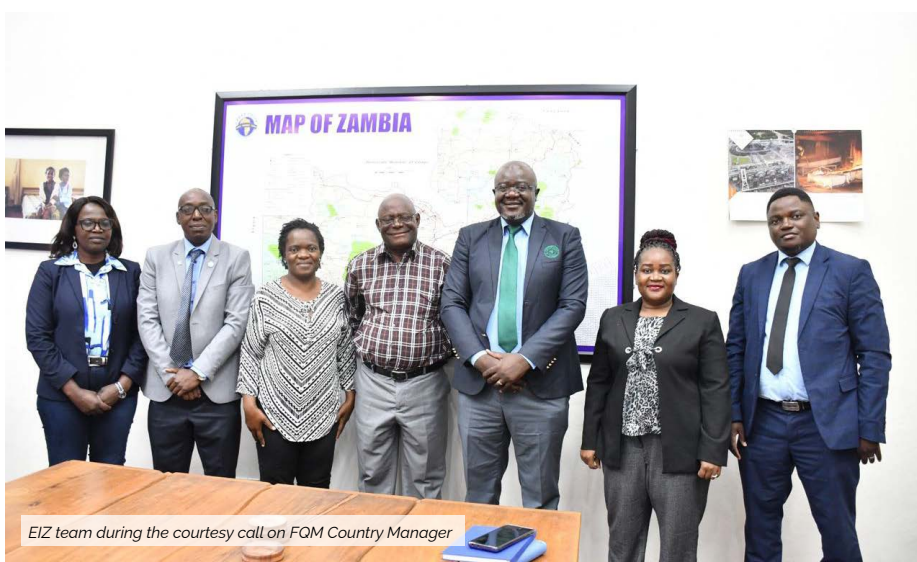
Engineering Institution of Zambia (EIZ) President Eng. Wesley Kaluba has commended First Quantum Minerals (FQM) for its continued support towards the development of the engineering profession in Zambia.

Speaking when he paid a courtesy call on FQM Country Manager Eng. Dr. Godwin Beene at their Lusaka office, Eng. Kaluba said FQM has been instrumental in supporting the EIZ.

The President who was accompanied by other council members, said the two institutions need to continue working together to uplift the engineering profession in the country.

The president further called on FQM to support the institution as it prepares to host the 2025 World Skills Africa Competition.

Continued on page 27



EIZ team during the courtesy call on FQM Country Manager

Bridging the gender gap in engineering – Eng. Margaret Oguntala

President of the Nigerian Society of Engineers, Eng. Margaret Aina Oguntala has underscored the importance of establishing a level playing field for women in engineering, reflecting the broader global push for gender equality in traditionally male-dominated fields.



Members following proceedings during the ZWES conference



In a speech read on her behalf by Past President Eng. Valerie Agberagba during the Zambia Women in Engineering Section (ZWES) conference held on April 19, 2024 in Livingstone, Eng. Oguntala noted that women bring unique perspectives and invaluable insights that significantly enrich the engineering landscape.

“Women’s diverse viewpoints can lead to more innovative solutions and drive progress within the industry,” she said.

She said women engineering professionals’ resilience, innovation, and team-building skills, are essential in collaborating with the government to address infrastructure deficits.

Eng. Oguntala provided concrete examples of successful women-led engineering projects and initiatives that have made significant impacts which included the advancements in sustainable infrastructure, technology-driven community development projects, and contributions to large-scale public works.

She acknowledged the challenges and barriers faced by women in engineering, such as gender bias, lack of mentorship, and limited access to career advancement opportunities.

Eng. Oguntala has since called on leaders and stakeholders within the engineering community to address these challenges by implementing policies that promote gender equality and foster an inclusive environment that provides equal opportunities for all.

At the same event, the Engineering Institution of Zambia (EIZ) Immediate Past President Eng. Abel Ng’andu, expressed the institution’s commitment to supporting ZWES in achieving common goals through the sharing of insights and best practices.

He reaffirmed EIZ’s dedication to empowering women in engineering and emphasized the conference’s objective of leveraging collective creativity and intelligence to chart a new path for the recruitment, retention, and advancement of women in the field.

Eng. Ng’andu advocated for the mentoring of the next generation of female engineering professionals and promoted initiatives that enhance diversity and inclusion, thereby creating environments where everyone has the opportunity to thrive.

He announced specific programs and partnerships aimed at increasing female participation in engineering, such as collaborations with educational institutions to encourage girls to pursue STEM (Science, Technology, Engineering, and Mathematics) education from an early.

Meanwhile, Eng. Mwanida Makashini, Vice Chairperson of the Zambia Women in Engineering Section (ZWES), highlighted the harmful impacts of climate change and emphasized the need for women engineering professionals to develop innovative solutions to address the challenges faced by women in the community.

She said EIZ has made significant progress in promoting women’s innovation and resilience.

EIZ holds first Investiture Ceremony...

as more Fellows get conferred

The Engineering Institution of Zambia (EIZ) held its first-ever Investiture ceremony for Professional Technologists, Certified Technicians, and Master Craftspersons.

The ceremony was not just a celebration of individual achievements, but a testament to the evolution and inclusivity of the engineering profession in Zambia.

The ceremony also served as a platform to recognize the expertise and dedication of the members and embrace a more inclusive future for the Technologists, Technicians, and Craftspersons who are the backbone of the nation's development.



Members who participated in the investiture ceremony

The following are members who were conferred during the ceremony:

Elizabeth Phiri	Master Craftsperson	Kildare Lazarous Mulikita	Master Craftsperson
Kwimbi Namwila	Certified Technician	Field Simwanda	Master Craftsperson
Elliot N. Munsanje	Master Craftsperson	Pride Lombe	Master Craftsperson
Patrick James Chintu	Master Craftsperson	Evans Chansa Kafusha	Master Craftsperson
Nchimunya Mulala	master Craftsperson	Noah Kasanda	Certified Technician
Abel Misango	Certified Technician	Jane Nambeye Manase	Certified Technician
Holdon Kaboko	Certified Technician	Annie Nalweya	Master Craftsperson
Reagan Chilufya	Certified Technician	Gideon Chilongu	Professional Technologist
Kennedy Chipoma	Certified Technician	Cleave Silawwe	Certified Technician

At the same event the institution conferred forty-nine (49) fellows as follows:

S/No	Name	S/No	Name	S/No	Name	S/No	Name
1	Amos Banda	13	Emmanuel K. Chipili	26	Kabwe J. Musonda	38	obert Mambwe
2	Cephas Museba	14	Fanizani Phiri	27	Kebby Mukalo Mushili	39	Peter Chamfya
3	Chilala N. Kakoma	15	Francis N. Mwelwa	28	Kenneth Nyundu	40	Raymond M. Cheeba
4	Choolwe A.Nalubamba	16	Fred Kanjelesa	29	Lavender Malama	41	Simon Tembo
5	Chooye M. Maambo	17	Gideon Sinkamba	30	Michael M. Musenge	42	Stella Chileshe Kalasa
6	Christopher Kang'ombe	18	Gladys Musaba	31	Mubanga Nyambe	43	Steven Mwale
7	Coaster Bwalya	19	Godfrey Kumwenda	32	Mukupula Mulenga	44	Suma Lungu
8	Daniel Katongo	20	Gyavira M.Bwalya	33	Munyaradzi Crispen Munodawafa	45	Tom Daka
9	Derrick Musonda	21	Henry Mupeta	34	Musango Lungu	46	Victor Chawinga
10	Dumisani Nkhata	22	Jeremiah Njobvu	35	Mwiya Wamunyima	47	Waddy Sakeni
11	Edgar Muwowo	23	Jimmy Muchimba	36	Nathan M. Kazembe	48	Whiteson Simbeye
12	Elvis Nyirenda	24	John Chilekwa	37	Nyakamenji Kaponda	49	Yoram Mjumphi Chulu
		25	John Msimuko				



Pupils carrying out projects during a Career Talk at Nchanga Trust School in Chingola

Celebrating the International Women In Engineering Day

By Ntalasha M. Yulu

As the calendar page turns into each year, there are several commemorations that mark significant events to inspire positive change and collective efforts. But one of the Days that truly deserves to be on everyone's radar, especially as the world continues to grapple with climate change and other critical economic gaps requiring innovative interventions, is the International Women in Engineering Day, that was commemorated on 23rd June.

The International Women in Engineering Day recognises the accomplishments and unique contributions female engineering professionals have made into shaping the world and making it a better place to live in.

This is the day that Zambia joins the rest of the world to celebrate a constellation of formidable women who are bridging the gender gap in engineering, and have stepped forward with diverse viewpoints

and innovations to enhance social-economic development for the country.

Being a female engineering professional in a male-dominated field is a force that the women have had to fight for centuries. Coming together to celebrate this important day is also an opportunity for women to address this stubborn problem and strategize ways to overcome it.

Engineering professionals are crucial to tackling every global challenge of our age, from climate change to cybersecurity, amongst others. Surely it is self-evident that we want - we need - a profession that looks more like the society it serves.

Only when the body of engineering professionals truly reflects the society it serves in terms of gender, can it most effectively serve the needs of that society. Only then will it understand all the



communities it is serving, harness the widest variety of viewpoints and generate prosperity for all.

Women engineering professionals bring unique insights and approaches that enrich the field. They enhance the creativity and effectiveness of engineering teams, leading to innovations that are more inclusive and beneficial to all.

Our increasingly automated, mechanized world requires more engineering professionals than ever, and demand for them is expected to grow. The largest pool of under-utilized talent is with the

women. Companies can benefit from more innovation and access a larger talent pool by actively recruiting and promoting women engineers.

Workplace diversity can ensure that the needs of the whole population are met. A diverse and inclusive workplace culture can also increase employee satisfaction, engagement, and retention and result in improved brand reputation.

This includes implementing policies and practices that promote diversity and inclusion, such as flexible work arrangements, equal pay, and opportunities for career development and advancement.

Despite the significant strides the Engineering Institution of Zambia has made in increasing the numbers of women in engineering, we must acknowledge that the journey has not been easy. Engineering has been a male-dominated field, with women often facing numerous barriers to entry and progression.

However, despite these obstacles, women engineering professionals continue to defy the odds and excel in their fields, driving innovation, and inspiring future generations. Their resilience, ingenuity, and determination serve as a testament to their unwavering commitment to engineering excellence.

Through their aggressive approach, the Zambia Women in Engineering Section under the Engineering Institution of Zambia have gone on to be flag bearers and Ambassadors, as well as eager recruiters of young girls to increase the numbers of female engineering professionals in the country.

The Zambia Women in Engineering Section has organised numerous outreach

programmes, stimulating the interests of young girls and laying a foundation for them to step up as the next generation of innovators.

To commemorate the International Women in Engineering Day, the Zambia Women in Engineering section organised Career Motivational Talks at Kasisi Girls in Lusaka, Nchanga Trust school in Chingola and iDream school in Ndola to inspire and educate the young learners about the opportunities and rewards of pursuing careers in engineering.

The pupils participated in a series of hands-on projects that allowed them to engage basic engineering principles, fostering critical thinking, creativity and problem-solving skills.

These on-going initiatives underscore the ZWES' commitment to nurturing the next generation of engineering professionals and promoting gender diversity within the engineering sector.

So as the calendar page turns to the next commemoration, let us create an inclusive environment where female engineering professionals feel valued and empowered to reach their full potential.

It means providing mentorship and networking opportunities, advocating for policies that promote work-life balance, and challenging the biases and stereotypes that still exist within the profession.

We are at a critical moment in time – if the Zambian economy is going to continue to recover, then we must make a significant dent in the gender imbalance in engineering now, and build the country's capacity to deliver home-grown engineering professionals that support economic growth.

Continued from page 23

And FQM Country Manager Eng. Beene called for continued collaboration between EIZ and FQM, especially in promoting young engineering professionals.

Eng. Beene said FQM will continue to partner with the institution to nurture

young professionals by offering internships for students across the country.

Eng. Beene further called on the institution to revamp the Engineers Without Borders, Africa Engineering Week expo in Lusaka to increase visibility for the institution.

EIZ President Eng. Wesley Kaluba has commended Northrise University management for the construction of a state-of-the-art engineering building, which is set to significantly enhance the nation's roster of professionals in the engineering sector and position the professionals as pioneers in Artificial Intelligence innovations.

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