

WFEO-WIE STC NEWSLETTER



The Committee on
Women in Engineering

Second Quarter: April–June 2026

Inclusive Engineering Solutions at Global STI Forum



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GhIE Executive Director Calls for Inclusive Engineering Solutions at Global STI Forum

Story by: Ing Enyonam Kpekpena | Ghana (Africa) | Email: efkpekpena@yahoo.com



The Executive Director of the Ghana Institution of Engineering (GhIE) Ing Dr. Enyonam Kpekpena, and Chair of the Women in Engineering Committee of the World Federation of Engineering Organizations (WFEO), has called for stronger inclusive engineering systems and investments to accelerate the achievement of affordable and sustainable energy access globally.

She made the call during Session one of the 11th Multi-stakeholder Forum on Science, Technology and Innovation for the Sustainable Development Goals (STI Forum), which focused on **“Powering sustainable development through clean energy technologies for affordable, reliable, sustainable and modern energy for all.”**

This session explored policy solutions and strategies for scaling up affordable and clean energy technologies, particularly in Sub-Saharan Africa, to support inclusive growth, industrial development, climate action, and sustainable urbanisation in line with Sustainable Development Goal Seven (SDG 7).

The STI Forum brings together governments, the United Nations system, civil society organizations, academia, the private sector, and global science and technology communities to advance the use of science, technology, and innovation in achieving the Sustainable Development Goals.

Speaking on behalf of WFEO, which represents more than 30 million engineers worldwide, Ing Dr. Kpekpena emphasized that engineering must remain central to the global energy transition and the delivery of SDG 7.

“Engineering must lead the delivery of affordable, reliable, sustainable and modern energy for all,” she stated.

According to her, the success of the global energy transition would depend not only on technological innovation but also on how effectively engineering systems are designed, deployed, and scaled across different social and economic contexts.

She noted that engineers were already playing critical roles in renewable energy systems, grid modernization, energy efficiency, clean cooking technologies, and resilient infrastructure development.

However, she stressed that persistent development gaps across many regions demonstrated the need for energy solutions that are inclusive, context-responsive, and people-centered.

Ing Dr. Kpekpena further highlighted the important role women play within energy systems, particularly as household energy managers who significantly influence energy adoption, efficiency, and sustainability outcomes.

Despite this contribution, she observed that women remain underrepresented in engineering and energy leadership spaces.

She explained that integrating gender perspectives into engineering systems and energy planning could strengthen system performance, accelerate technology uptake, and improve sustainability outcomes.

“As Chair of the Women in Engineering Committee, we are advancing STEM pipeline initiatives, innovation partnerships, and gender-disaggregated engineering data to help inform policy and strengthen inclusive engineering practice globally,” she said.

She added that the Ghana Institution of Engineering currently hosts the Secretariat of the WFEO Women in Engineering Committee, further positioning Ghana as an active contributor to global engineering and sustainability discussions.

Ing Dr. Kpekpena reaffirmed the commitment of WFEO and its Women in Engineering Committee to support member states in embedding inclusive engineering systems, dedicated financing mechanisms, and accountability frameworks into SDG 7 implementation strategies.

The STI Forum continues to serve as a global platform for strengthening collaboration, promoting technology transfer, and improving the science-policy interface in support of sustainable development worldwide.

WFEO Women in Engineering Virtual Global Summit 2026

Story by: Ing Enyonam Kpekpena | Ghana (Africa) | Email: efkpekpena@yahoo.com




The Committee on Women in Engineering

VIRTUAL GLOBAL SUMMIT 2026

Panel Discussion : Engineering Intelligence: Women Leading Innovation, Inclusive Infrastructure and Sustainable Development



DR. NASSIRAH LALOO
Vice Chair – WIE WFEO Theme 2, Mauritius (Africa)
MODERATOR



ENG. DR. BONGEKILE MATSENJWA, ESWATINI (AFRICA)
Topic: A Gender Inclusive Engineering Field.
PANELIST



ENG. ANA VILHENA, PORTUGAL (EUROPE)
Topic: Mentorship and Career Development for Young Women Engineers
PANELIST



PARVIN SULEYMANOVA, AZERBAIJAN (ASIA/PACIFIC)
Topic: Empowering Young Women Engineers Through Artificial Intelligence and Academic Mentorship
PANELIST



MAHGANJ DURRA, UNITED ARAB EMIRATES (ARAB)
Topic: Empowering the Next Generation of Engineers Through Artificial Intelligence and Data Analytics
PANELIST



JEANETTE SOUTHWOOD, CANADA (AMERICAS)
Topic: Building a Welcoming, Inclusive Engineering Profession that Embraces Truth and Reconciliation
PANELIST



PROF. WAI YIE LEONG, MALAYSIA (ASIA/PACIFIC)
Interactive discussion / moderated Q&A



ING. FELICIA QUARM, COORDINATOR-WIE, WFEO & FAEO, GHANA (AFRICA)
Call for partnerships toward the Physical Women in Engineering Summit in Ghana in 2027



ENG. AGNESS MOFYA MWANSA, DEPUTY VICE CHAIR, THEME 4, WIE-WFEO, ZAMBIA (AFRICA)
Closing remarks




The Committee on Women in Engineering



DR. IR. AR. R.A. RETNO HASTIJANTI, INDONESIA (ASIA/PACIFIC)
DEAN OF ENGINEERING FACULTY, UNTAG
KEYNOTE ADDRESS ON "ENGINEERING INTELLIGENCE, WOMEN LEADING INNOVATION, INCLUSIVE INFRASTRUCTURE AND SUSTAINABLE DEVELOPMENT"



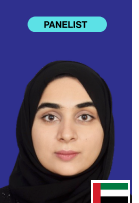
Eng. Dr. Bongekile Matsenjwa, Eswatini (Africa)
Managing Director for WoiEng Eswatini
PANELIST



Eng. Ana Vilhena, Portugal (Europe)
Independent Engineer and teacher/mentor
PANELIST



Parvin Suleymanova, Azerbaijan (Asia/Pacific)
Engineering Mentor & Academic Research Support Specialist
PANELIST



Mahganj Durra, United Arab Emirates (Arab)
Independent Engineer and teacher/mentor
PANELIST



Jeanette Southwood, Canada (Americas)
Engineering Mentor & Academic Research Support Specialist
PANELIST

VIRTUAL GLOBAL SUMMIT 2026

Theme: Engineering Intelligence: Women Leading Innovation, Inclusive Infrastructure and Sustainable Development



PROF. WAI YIE LEONG
Vice Chair – Coordinating the Women in Engineering 2026
MC



ING. DR. ENYONAM KPEKPENA
Vice President – Co-Chair for Women in Engineering 2026
HOST

23 JUNE | **12 PM - 02 PM** | [REGISTRATION LINK
HTTPS://SHORTURL.AT/EGUH8](https://shorturl.at/eguh8)
CLICK HERE

SCAN TO REGISTER



The WFEO Women in Engineering (WIE) Virtual Global Summit 2026, held on 23 June 2026 to commemorate International Women in Engineering Day, brought together engineering professionals, academics, researchers, students, policymakers, and industry representatives from across Africa, Europe, Asia-Pacific, the Arab Region, and the Americas.

The Summit explored how ethical leadership, emerging technologies, mentorship, and inclusive engineering practices can contribute to innovation, resilient infrastructure, and sustainable development. In her opening remarks, Ing. Dr. Enyonam Kpekpena, Chair of WFEO-WIE, emphasised that engineering intelligence goes beyond artificial intelligence and digital technologies. It also encompasses ethical leadership, creativity, empathy, collaboration, and social responsibility. She reaffirmed WFEO-WIE's commitment to advancing gender inclusion, supporting young women engineers, and strengthening strategic partnerships.

The WFEO Executive Director, Dr. Moez Chakchouk, reaffirmed the importance of women in engineering within WFEO's long-term strategic priorities and encouraged greater participation in WFEO initiatives.

The keynote presentation by Dr. Ir. Ar. R.A. Retno Hastijanti of Indonesia focused on women engineers and climate resilience, highlighting the "Embracing the Sun" project in Samarinda. The presentation demonstrated how renewable energy, climate adaptation, and community participation can transform vulnerable public spaces into resilient and sustainable community assets.

A diverse panel of experts from Portugal, Azerbaijan, the United Arab Emirates, Eswatini, and Canada shared experiences on mentorship, artificial intelligence, inclusive workplaces, leadership, diversity, equity and inclusion. The discussions highlighted the importance of creating engineering environments

where women can thrive, while ensuring that emerging technologies are adopted responsibly and ethically.

Key messages from the Summit included the importance of mentorship and professional networks, responsible use of artificial intelligence, inclusive workplaces, continuous professional development, and international collaboration. Speakers stressed that technology should complement human judgement and expertise rather than replace them.

The Summit also provided an opportunity to discuss the proposed 2027 Physical Women in Engineering Summit in Ghana, with emphasis on early coordination, partnerships, funding, logistics, and institutional support.

The event reaffirmed the vital role of women engineers in shaping innovative, inclusive, resilient, and sustainable societies and strengthened the commitment of WFEO-WIE to advancing women's participation and leadership in engineering globally.

WFEO-WIE VIRTUAL GLOBAL SUMMIT 2026

THEME: Engineering Intelligence: Women Leading Innovation, Inclusive Infrastructure and Sustainable Development

Date: 23 June 2026

Venue: Online

Time: 12:00 to 2:00 PM GMT

MASTER OF CEREMONIES AND PRESENTATION OF MODERATORS - PROF. WAI YIE LEONG
(MALAYSIA - ASIA/PACIFIC)

TIME	ACTIVITY	RESPONSIBLE
0:00 - 0:05	Opening and introduction of programme	Prof. Wai Yie Leong, Malaysia (Asia/Pacific)
0:05 - 0:10	Welcome remarks by Vice President/Chair, Committee for Women in Engineering WFEO	Ing Dr. Enyonam Kpekpena, Ghana (Africa)
0:10 - 0:25	Remarks by WFEO President and Special Invited Guests in attendance	Seng Chuan Tan, Singapore (Asia/Pacific) and Special Guests
0:25 - 0:40	Keynote address on "Engineering Intelligence: Women Leading Innovation, Inclusive Infrastructure and Sustainable Development"	Dr. Ir. Ar. R.A Retno Hastijanti, Indonesia (Asia/Pacific)
Panel Discussion on Engineering Intelligence: Women Leading Innovation, Inclusive Infrastructure and Sustainable Development Moderator: Dr. Nassirah Laloo, Mauritius (Africa)		
00:45 - 00:50	Technical panel session: Topic: A Gender Inclusive Engineering Field.	1. Eng Dr. Bongekile Matsenjwa, Eswatini (Africa)
0:50 - 1:00	Topic: Mentorship and Career Development for Young Women Engineers	2. Eng. ^a Ana Vilhena, Portugal (Europe)
1:00 - 1:10	Topic: Empowering Young Women Engineers Through Artificial Intelligence and Academic Mentorship	3. Parvin Suleymanova, Azerbaijan (Asia/Pacific)
1:10 - 1:20	Topic: Empowering the Next Generation of Engineers Through Artificial Intelligence and Data Analytics	4. Mahganj Durra, United Arab Emirates (Arab)
1:20 - 1:30	Topic: Building a Welcoming, Inclusive Engineering Profession that Embraces Truth and Reconciliation	5. Jeanette Southwood, Canada (Americas)
1:30 - 1:45	Interactive discussion / moderated Q&A	Prof. Wai Yie Leong, Malaysia (Asia/Pacific)
1:45 - 1:55	Call for partnerships toward the Physical Women in Engineering Summit in Ghana in 2027	Ing, Felicia Quarm, Ghana (Africa)
1:55 - 1:58	Summary of key messages and next steps	Dr. Nassirah Laloo, Mauritius (Africa)
1:58 - 2:00	Closing remarks	Eng Agness Mofya Mwansa, Zambia (Africa)

IEM honouring Women Engineer Leaders

Story by: Professor Wai Yie Leong | Malaysia (Asia/Pacific) | Email: waiyie@gmail.com



The Institution of Engineers, Malaysia (IEM) organised the 67th Annual Dinner & Awards Night 2026 on Saturday, 18th April 2026 at Sunway Resort Hotel. The objective of the dinner is to foster closer rapport amongst engineers, consultants, professionals, academicians, property developers, suppliers, contractors, building manufacturers, and others who are related to the engineering fraternity.

All past women engineer chairpersons were invited to join the celebration of the engineering industry and to honour their achievements and contributions as Women Engineer Leaders and Past Women in Engineering Chairwomen.

The dinner get-together this year provided another opportunity for all to renew ties with past associates and form new connections as we continue to grow from strength to strength, lending support to one another to promote growth in every corner, thereby leaving no one behind in the pursuit of progress and sustainability.



The 37th International Invention, Innovation & Technology Exhibition (ITEX 2026)

Story by: Professor Wai Yie Leong | Malaysia (Asia/Pacific) | Email: waiyie@gmail.com

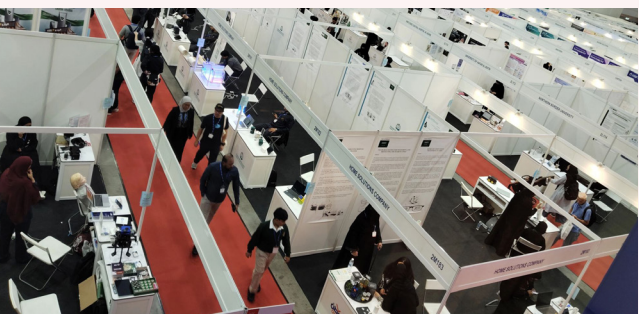


The 37th International Invention, Innovation & Technology Exhibition (ITEX 2026) opened at the KL Convention Centre, Malaysia.

The official opening ceremony was led by YB Datuk Chang Lih Kang, Minister of Science, Technology and Innovation (MOSTI).

The exhibition featured more than 1,000 innovations from 17 countries and regions across areas including AI, medicine, energy, agriculture, and more. With 70% of the innovations market-ready and many validated at TRL 6+, ITEX 2026 connects investors, corporates, manufacturers, and innovators through commercialisation opportunities, strategic collaborations, and real-world innovation.

ITEX Malam Budaya Cipta 2026 was a vibrant cultural evening that celebrated creativity, innovation, and multicultural harmony through traditional performances, music, and artistic showcases. The event brought together participants, researchers, innovators, and guests from diverse backgrounds to foster cultural appreciation and strengthen international collaboration. The programme highlighted the richness of Malaysian heritage while encouraging creative expression and community engagement among attendees. Malam Budaya Cipta also provided a meaningful platform for networking, cultural exchange, and the promotion of unity through art and innovation.



The 9th Malaysian Education and Learning Summit (MELS)

Story by: Professor Wai Yie Leong | Malaysia (Asia/Pacific) | Email: waiyie@gmail.com



The 9th Malaysian Education and Learning Summit (MELS), convened on April 16th at the Majestic Hotel Kuala Lumpur, commenced with an opening ceremony featuring a series of high-level addresses that set the tone for the day. Tan Sri Michael Yeoh, President of the KSI Strategic Institute for Asia Pacific, delivered the welcome remarks, highlighting the critical intersection of human capital and technological evolution.

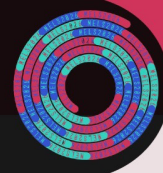
Representing YB Puan Fadhlina Binti Sidek, the Minister of Education Malaysia, Puan Sarina Binti Salim, Senior Deputy Director (Science and Technology Policy Cluster), Curriculum Development Division, delivered a Special Address focusing on the national policy and curriculum shifts required to sustain a digital economy. This was followed by an insightful Opening Keynote Address by YABhg. Tun Dato' Seri Zaki Tun Azmi, Chancellor of Multimedia University (MMU) and MAHSA University, and former Chief Justice of Malaysia.

The Summit also underscored the need for a fully integrated talent ecosystem, where universities, TVET institutions, private providers, and industry operate cohesively to meet real market demand. Key messages from speakers, including YBrs. Puan Sarina Binti Salim and YABhg. Tun Dato' Seri Zaki Azmi, reinforced the importance of system agility, governance, and trust, particularly in embedding responsible AI and digital capabilities across all learning pathways. The event concluded with a strong emphasis on actionable outcomes—driving structural reform, accelerating industry co-investment in talent development, and advancing commercially viable training models such as apprenticeships and modular credentials—to position Malaysia as both a competitive economy and a regional education hub.



9th Malaysian Education and Learning Summit

Talent as Economic Infrastructure for Malaysia's AI and Digital Economy
16th April 2026 | The Majestic Hotel Kuala Lumpur



SPECIAL ADDRESS

YB Puan Fadhlina Binti Sidek
Minister of Education, Malaysia

(Represented by Dr. Rusmini Binti Ku Ahmad,
Deputy Director-General of Education, (Policy
and Curriculum Sector), Ministry of Education
Malaysia)

OPENING KEYNOTE ADDRESS

YABhg. Tun Dato' Seri Zaki Tun Azmi
Chancellor, Multimedia University (MMU)
and MAHSA University / Former Chief
Justice of Malaysia

LEADERSHIP DIALOGUE: INTEGRATING UNIVERSITIES, TVET, AND INDUSTRY INTO A SINGLE TALENT MARKET - DELIVERING BLUEPRINT OUTCOMES THROUGH MARKET COORDINATION

MODERATOR



Ir. Prof. Dr. Leong Wai Yie
Senior Professor, INTI
International University

SPEAKERS



Prof. Dr. Lily Chan
Chief Executive and Vice
Chancellor of Wawasan
Open University (WOU)



Dato' Satinah Syed Saleh
Adjunct Professor, University of
Cyberjaya / Director, Melewar
Learning Resources/Direct
English



Mr. Hamidi Haim
CEO - Abroad
EduWorld Sdn Bhd



Prof. Dr. Ramlee Mustapha
Head, TVET and Industry Cluster /
National Professor Council, Universiti
Pendidikan Sultan Idris (UPSI)



Dr. Kalai Vani Maniam
Project Manager, Malaysia Semiconductor
Industry Association (MSIA)



Beyond Smart Technology: Engineering Climate Resilience through Community Intelligence: Lessons from Surabaya's Kampung, Indonesia

Story by: RA Retno Hastijanti | Indonesia (Asia/Pacific) | Email: retnohasti@untag-sby.ac.id



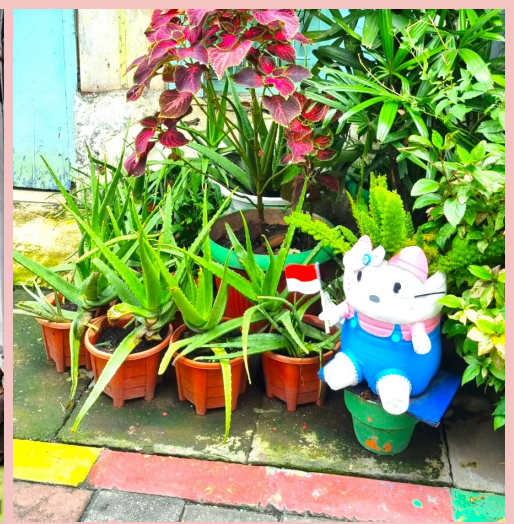
This presentation critically re-examines the smart city paradigm, arguing that urban resilience to climate change depends less on technological sophistication and more on the community intelligence embedded within local settlements.

Drawing on spatial, social, and economic transformations across Surabaya's historic kampungs: Kampung Ketandan, Kampung Dolly, and Kampung Lawas Maspati, it analyzes how collective memory, adaptive space utilization, and localized leadership form the foundation of urban social infrastructure.

While digital tools and sensors enhance data collection, top-down smart infrastructure often fails when disconnected from the lived realities of vulnerable populations. By synthesizing cross-case insights, it proposed an integrative engineering framework that connects technical and digital solutions with participatory GIS, co-design processes, and community ownership.

Rather than treating heritage preservation and socio-economic survival as isolated projects, it demonstrates how these community capacities provide the essential social and institutional scaffolding required for climate adaptation.

Ultimately, achieving Sustainable Development Goals 9, 11, and 13 requires moving beyond smart technology toward co-produced, community-centered urban ecosystems that strengthen local agency alongside physical infrastructure.



Women Engineers Driving India's Green Revolution

Story by: Seema Singh | India (Asia/Pacific) | Email: prof.seemasinghdtu@gmail.com



Women engineers are playing a vital role in India's transition towards a sustainable future by developing innovative solutions for environmental challenges. According to AISHE 2023–24, women constitute 31% of engineering enrolment at the undergraduate level, 32% at postgraduate level, and 37% at PhD level. Their participation in green technology-related disciplines such as environmental, chemical, electrical, and agricultural engineering is encouraging, though mechanical engineering continues to show lower representation.

Across India, women engineers are turning ideas into impactful innovations. **Monika Jha** developed energy-efficient smart street-lighting solutions through Cydee Technologies. **Kunjpreet Arora** created WRICKS, eco-friendly bricks made from recycled waste materials. Jhanvi Rana is advancing solar-powered desalination systems, while **Shaivee Malik** is working on electric refrigeration solutions for cold-chain transport. **Karishma Shah** has developed technology to convert plastic waste into fuels and coal alternatives.

While women's participation in leadership and employment remains limited, initiatives such as the Ministry of New and Renewable Energy's **Women in Renewable Energy (WRE)** sessions are promoting greater inclusion. Empowering women engineers will be essential for a greener, more innovative, and sustainable India.

Empowering Women in Renewable Energy

Story by: Seema Singh | India (Asia/Pacific) | Email: prof.seemasinghdtu@gmail.com



With the increasing importance of renewable energy, women are making a significant contribution to the sector. In recent years, there has been a growing trend of women taking up leadership positions and making strides in renewable energy in India.

One of the many examples of women in renewable energy in India is Vandana Gombhar, a journalist and commentator on energy and environment issues. She has been an advocate for renewable energy and sustainable development in India for many years. Another example is Ms. Vaishali Nigam Sinha, who is the Co-Founder and Chief Sustainability Officer of the company Renew Power. She has been instrumental in the company's success and has helped it become one of the largest renewable energy companies in India. There are also many women who are working in research and development in renewable energy. For example, Dr. Smita Gupta is a senior scientist at the National Physical Laboratory in New Delhi. She is working on developing more efficient solar cells that can be used in solar panels.

To name a few other women scientists in the field of RE, Dr. Purnima Jaliha (NIOT), Dr. Geeta Balakrishnan (Jain University), Dr. Vasanta Thakur (MNRE), Ms. Priya (MNRE) are working towards implementation of RE in India.

Although, women of India are overcoming the challenge of using traditional methods of cooking, drying, space heating, etc. However, they are looking forward to use RE technologies in their regular household work by using Improved Cooking Systems, Solar cookers, Biogas and through usage of livelihood generation products such as solar dryer, solar lamps, etc.

Overall, while there are still many challenges facing women in renewable energy in India, there is also much hope and potential for the future. With more women taking up leadership roles and making contributions to the sector, India is well-positioned to become a leader in renewable energy in the coming years.

Building Bridges in Engineering Research: The Herald of the Azerbaijan Engineering Academy

Story by: Parvin Suleymanova | Azerbaijan (Asia/Pacific) | Email: amaxeber@gmail.com

Supporting women in engineering requires not only leadership and mentorship, but also equal opportunities to publish, collaborate, and share scientific achievements globally. With this vision, the Herald of the Azerbaijan Engineering Academy, published by the Azerbaijan Engineering Academy—a member of the World Federation of Engineering Organizations (WFEO)—has served since 2009 as an international platform for engineering research and scientific cooperation.

Published quarterly, the journal welcomes original research from authors worldwide across a broad spectrum of engineering disciplines. As a Crossref member, all published articles receive DOIs and are published under the Creative Commons CC BY-NC 4.0 license. The journal is represented in several international scientific indexing and journal evaluation platforms, enhancing its global visibility and accessibility.

Aligned with the mission of the WFEO Standing Technical Committee on Women in Engineering (WFEO-WIE), the journal encourages submissions from early-career researchers and women engineers while promoting ethical publishing, open scientific dialogue, and international collaboration. Through these efforts, the Herald of the Azerbaijan Engineering Academy continues to build bridges between researchers, institutions, and engineering communities worldwide.



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AZƏRBAYCAN MÜHƏNDİSLİK AKADEMİYASININ

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HERALD
of the Azerbaijan
Engineering Academy

ВЕСТНИК
Азербайджанской
Инженерной Академии



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Vol. 18 $\frac{2}{2026}$

A Pan-American Tribute: Excellence in Engineering Education

Story by: Sara Fernández Cruz | Cuba (Americas) | Email: capumafc@gmail.com



UPADI has awarded its highest teaching honor, the Vector de Oro Award, to Dr. C. MarÃa Onelia Urbina Reynaldo, a distinguished Cuban civil engineer, researcher, and academic, in recognition of her exceptional career.

Presented during Pan-American Engineer Day, the award honors her dedication to engineering education, innovation in teaching-learning processes, and contributions to higher education in Cuba and Latin America. Her work has impacted generations of professionals, research, and the promotion of science and innovation.

Dr. Urbina Reynaldo, President of UNAICC in HolguÃn, holds numerous accolades, including the 2025 National Award for Life and Work.

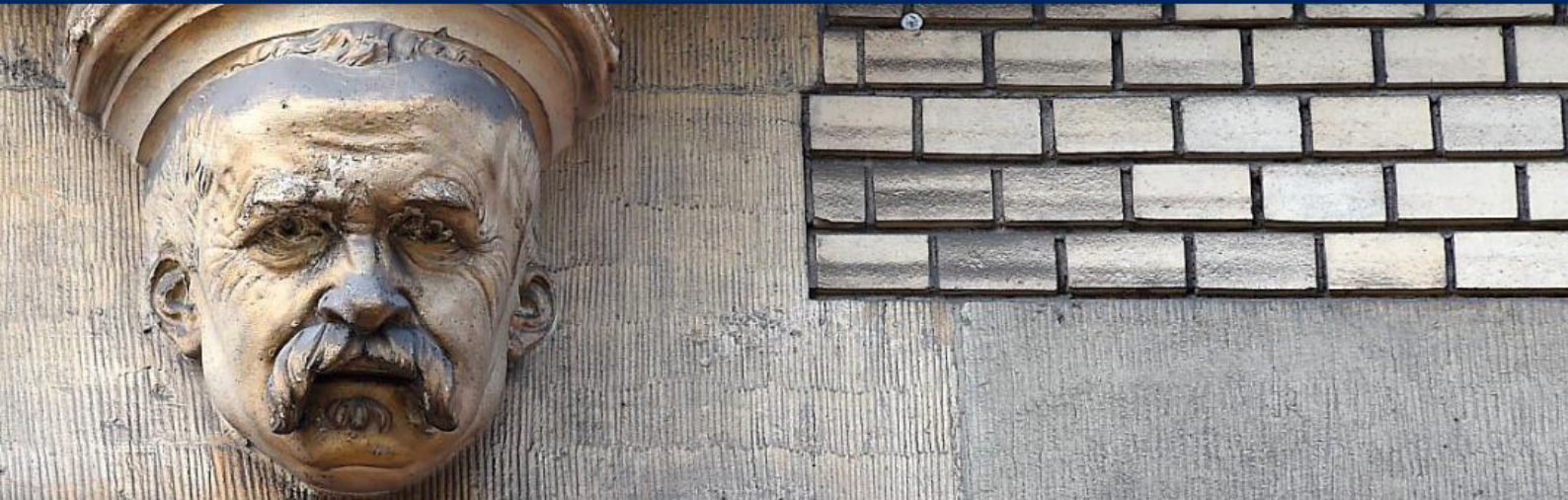
This recognition transcends the individual: it is a tribute to Cuban engineering and to women in a traditionally male-dominated field. By honoring a civil engineer committed to academia and professional standards, UPADI reaffirms its commitment to public safety and professional integrity.

The award ceremony during the Pan-American festivities highlights the unity and shared values of engineering across the continent. Dr. Urbina Reynaldo's legacy will continue to inspire future engineers throughout the Americas.

Jubilee of Science and Technology: anniversary celebrations of the 80th anniversary of NOT and 120th anniversary of the Dom Technika in Krakow, 17.06.2026

Story by: Lidia Zakowska | Poland (Europe) | Email: lidia@zaq.pl

KRAKOWSKA RADA
FEDERACJI STOWARZYSZEŃ NAUKOWO-TECHNICZNYCH
NACZELNA ORGANIZACJA TECHNICZNA



The Polish engineering organization of the National Technical Organization is called the Federation of Scientific and Technical Associations of the Supreme Technical Organization and brings together a total of 39 Scientific and Technical Associations (19 in Krakow).

From the organizational point of view, the Federation continues to evolve towards democratization.

In 2013, at a national congress of Scientific and Scientific and Technical Societies, it was declared that **“the Federation of Scientific and Technical Associations is a non-governmental organization with a 180-year tradition”**.

We are very proud and happy to announce that we have completed a unique celebration of the **80th anniversary of the Supreme Technical Organization in Krakow and the 120th anniversary of the House of Technology**.

Scientific Session: A Look into the Past and the Future

The festive day began with a scientific session, during which extremely inspiring lectures were presented. The participants had the honour to listen to a lecture by Prof. Ryszard Tadeusiewicz entitled “Milestones of Artificial Intelligence”. Then, Bronisław Hynowski, MSc, Eng., presented the “History of the Construction of the Technician’s House in Krakow”, reminding of the heritage of the building erected thanks to the efforts of Krakow engineers, which has been serving the technical community since 1906.

Technology goes out to residents: Open-air exhibitions

The second, extremely spectacular point of the program was the inauguration of outdoor exhibitions at Krakowskie Planty, right in front of the building of the Jagiellonian University Collegium Novum. The exhibitions wonderfully present the history of associating Polish engineers, the achievements of Krakow engineers, the activities of scientific and technical associations and innovative projects of scientific circles from AGH, the Cracow University of Technology and the University of Agriculture.

The opening of the exhibitions has become an excellent opportunity to honour people and institutions with special merits:

- **The highest association distinction, the Diamond Badge of Honour of the NOT, was awarded to Prof. Lida Żakowska, WIE WFEO member, and Andrzej M. Kucharski, President of the KR SFNT NOT.**



Investing in the future: Honouring young talent

One of the priorities of NOT is to support the youngest inventors. On the stage, the elite of young scientific minds was solemnly awarded – the winner and finalist of the nationwide stage of the 52. Olympiad of Technical Knowledge (OWT), Wojciech Wolak and Patryk Szarnicki from the Complex of Schools of Communications. Youth activities within the OWT are supported by the Marshal of the Małopolska Voivodeship, the Faculty of Mechanical Engineering of the Cracow University of Technology, the Małopolska Regional Chamber of Civil Engineers, the Polish Construction Association and the Association of Polish Electricians.

Evening integration and thanks

The official celebrations were crowned with an unofficial part. The gathered guests listened to a lecture by the President of the Main Board of NOT, Ewa Mańkiewicz-Cudny, entitled "The history of the association of Polish engineers". It was also the moment of presenting commemorative plaques to Krakow associations and the Gold and Silver Badges of Honor of the NOT to the most deserving activists.

We thank everyone who honored us with their presence and celebrated these beautiful anniversaries with us. This proves once again how strong and fruitful the cooperation of scientific institutions associating Polish engineers can be.



Jubilee Open-Air Exhibition at Krakowskie Planty: 80 years of NOT activity and 120 years of the Technical House

The Krakow Council of the Federation of Scientific and Technical Associations NOT is honored to invite the inhabitants of Krakow, representatives of the academic community, engineers and all guests visiting our city to visit a unique outdoor exhibition. The exhibition, celebrating the double jubilee of our institution, was located on the section of the Krakow planty, between Collegium Novum and St. Anne Street. The exhibition will be available to visitors free of charge until the end of October this year.

This year's exhibition is the culmination of the celebration of two key anniversaries for Krakow's technical community. The first part of the exhibition is an architectural and historical journey in the footsteps of one of the most important buildings in Krakow – the Technician's House. The exhibition documents in detail the process of creating this Art Nouveau pearl, its grand opening in 1906, as well as its extremely important educational role, when just after World War II it housed the first seat of the Cracow University of Technology, where our representative of the University of Technology, Professor Lidia Zakowska, has been working for 45 years.

The second part of the exhibition is an overview of the achievements of Polish engineering thought and institutions that have been building the strength of our region together for decades. The Supreme Technical Organization is not only the industry associations federated in it, dealing with the development of transport, road engineering, water engineering, forestry, electricity, gas and sanitary engineering, but above all the entire integrated technical environment. The exhibition at Planty is a perfect demonstration of how closely public trust institutions, key urban enterprises and academic centers work together, creating a powerful space for innovation and continuous development.

On the prepared boards, our regular partners, who co-create this unique ecosystem, present their extraordinary achievements. The exhibition shows the powerful research and development potential of Krakow's universities. It presents the most modern space technologies and autonomous drone swarm projects developed at the AGH University of Science and Technology. The **Cracow University of Technology**, on the other hand, shares its outstanding achievements in the field of creating innovative transport simulators and zero-emission vehicles, while the University of Agriculture is fascinatingly demonstrating how engineering can harmoniously support nature, presenting pioneering projects in the field of agricultural robotics and the latest engineering of biodegradable materials.

The entire open-air exhibition clearly shows that it is the united forces of science, local governments, engineering associations and urban industry that determine the continuity and strength of Krakow's technical thought.

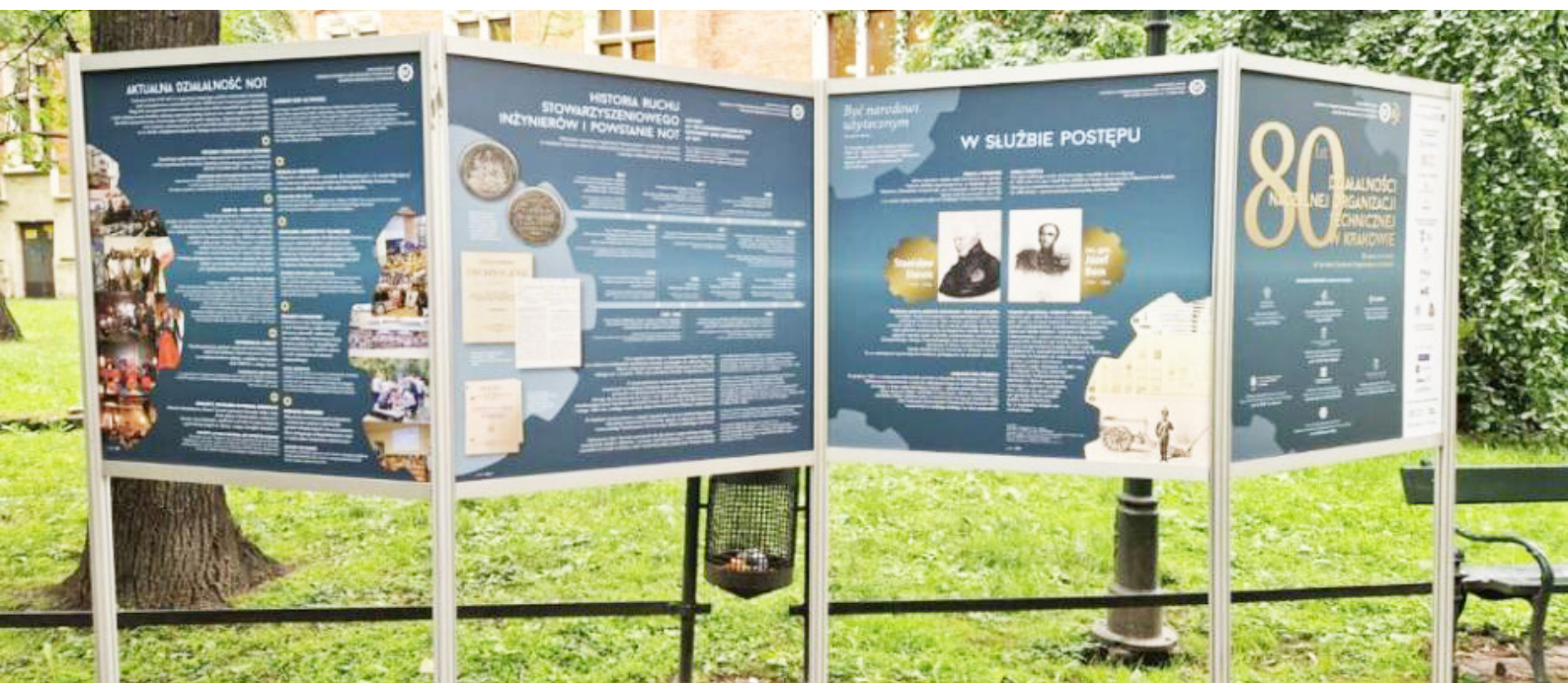


Photo: Jan Zych

Report: Lidia Zakowska, NOT Poland

Liberian Women in Engineering 1st Leadership

Story by: Tarlee Gonwokay | Liberia (Africa) | Email: tgonwokay@mpw.gov.lr



Chartered in 2025, the Liberian Women in Engineering made major strides in 2026 with its first elections and the induction of four officials into office on May 15, 2026. The ceremony drew more than 75 attendees, including representatives from the Ministry of Public Works, UN Women, the Liberia Telecommunications Authority, and the private sector, reflecting broad support for the auxiliary's mission.

Following the induction, the Executive Committee held its first meeting on May 23, 2026, where members developed a six-month plan to guide activities through the end of the year. The auxiliary also launched its first pilot project, the Girls Build Liberia STEAM Initiative, which is expected to begin in September 2026 when schools reopen.

Growth continued through google online membership recruitment drive that attracted more than 80 members. The organization also held its first general meeting and gained international visibility through participation in its first conference in Sierra Leone, where it was represented by the President.

These milestones mark a promising beginning for Liberian Women in Engineering as it works to empower women and girls in the engineering field.



Empowering Women Engineers Across Mozambique

Story by: Carla Massunda Pene | Mozambique (Africa) | Email: carlamassunda@gmail.com



In celebration of International Women in Engineering Day 2026, the Women in Engineering (WIE) initiative of the Ordem dos Engenheiros de Moçambique (OrdEM) organized a series of technical and professional development events aimed at empowering women engineers and promoting gender diversity across the profession. These initiatives strengthened collaboration between academia, industry, and professional organizations while creating valuable opportunities for networking, mentorship, and knowledge sharing.

One of the key events, held in partnership with Cervejas de Moçambique (CDM), focused on leadership, challenges, and opportunities for women in Mozambique's industrial sector. The event brought together experienced engineers, young professionals, and students, highlighting the importance of mentorship and intergenerational knowledge transfer.



OrdEM also partnered with Electricidade de Moçambique (EDM), the Mozambican state-owned electric power supplier, to explore strategies for retaining and advancing women in engineering careers. Participants explored strategies to improve female participation, career progression, and inclusion in technical professions. The event emphasized the importance of supportive workplace cultures, mentoring programmes, leadership opportunities, and equal access for women in engineering as essential drivers for attracting and retaining women in engineering. These initiatives reaffirmed Mozambique's commitment to supporting women engineers and fostering a more diverse, inclusive, and innovative engineering profession.



Women in Engineering, Ghana Advances Wellness, Mentorship and Professional Development

Story by: Ing Jane Naki Tetteh-Anowie | Ghana (Africa) | Email: nakiforwork@gmail.com

The Women in Engineering Ghana Committee of the Ghana Institution of Engineering recorded significant activities during the second quarter of 2026, focusing on members' wellbeing, mentorship and professional development.

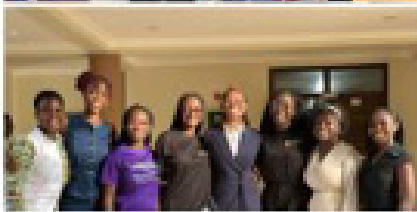
Health Walk and First Aid Awareness

On 23 May 2026, WinE Ghana organised a nationwide Health Walk and First Aid Awareness programme under the theme, "Move Well, Respond Better." Held across all seven GhIE branches, the programme promoted physical fitness and equipped participants with basic first aid and emergency response skills. WinE members were joined by the President of GhIE, Council members, family and friends, making the event an inclusive and memorable celebration of health, wellness and community.



International Women in Engineering Day Preparations

WinE Ghana also commemorated International Women in Engineering Day 2026 under the theme, "Engineering Intelligence." Across all seven GhIE branches, women engineers engaged female students, shared their professional experiences and encouraged them to see engineering as a field of purpose, innovation and possibility. The activities highlighted the importance of mentorship and demonstrated how reaching girls with the right guidance and inspiration can help shape the future of engineering.



ECG-WinE Advancing Leadership, Innovation and Professional Excellence

Story by: Alberta Amankwaa | Ghana (Africa) | Email: albyamankwaa@gmail.com



The Electricity Company of Ghana-Women in Engineering (ECG-WinE) strengthened leadership, innovation, and professional excellence through impactful initiatives in 2026.

Quarterly General Meetings enabled members to review progress, receive committee reports, discuss strategic priorities, and actively contribute to the group's growth.

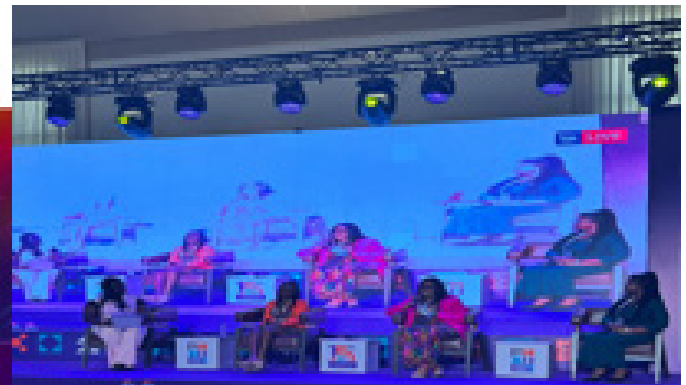
ECG-WinE also launched its 2026 Election Roadmap, outlining the nomination, vetting, campaign, election, and handover processes, reinforcing its commitment to transparency, integrity, unity, and accountability.

In celebration of International Women in Engineering Day (INWED) 2026, ECG-WinE members joined Ghana Institution of Engineering Women in Engineering (GhIE WinE) Branch 4 to mentor students from the Gbawe Cluster of Schools, inspiring young girls to pursue engineering and STEM careers through interactive career guidance and mentorship.

The group also launched the ECG-WinE Prepayment Monitoring Project at the Ablekuma District and represented ECG at the GhIE Women in Engineering Conference 2026 and the Project Management Institute (PMI) Ghana National Project Management Conference & Excellence Awards, demonstrating technical excellence, leadership, and a shared commitment to advancing women in engineering.

Together, these initiatives reflect ECG-WinE's commitment to developing leaders, strengthening technical capacity, and inspiring excellence within the engineering profession.





MEET OUR PANEL DISCUSSANTS

MRS. AMINA NANA K. AYEI
CEO, NANA NANA

MRS. ALBERTA AGYEMANG
CEO, NANA NANA

MRS. AGYEMANG AFI POKU
CEO, NANA NANA

EWURIMA LESLEY MAWOO (PMP®)
CEO, NANA NANA

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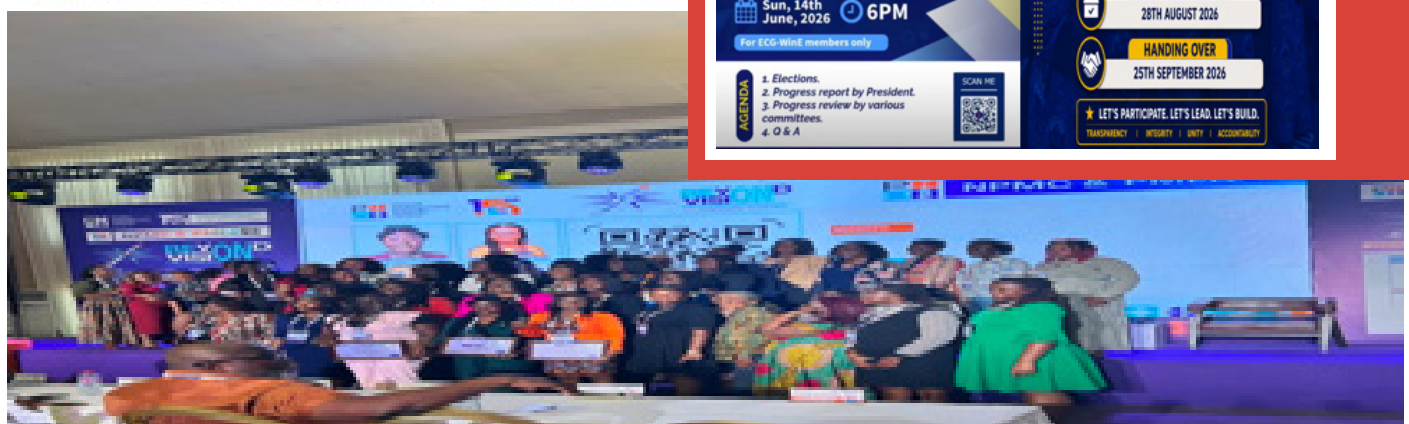
PARTNER:
 Ghana Engineering Society

2nd QUARTER GENERAL MEETING
Sun, 14th June, 2026 6PM
For ECG-WinE members only

NOMINATIONS
 22ND JUNE 2026 TO 30TH JUNE 2026
VETTING
 27TH JULY 2026 TO 29TH JULY 2026
PUBLICATION/ CAMPAIGN
 1ST AUGUST 2026 TO 27TH AUGUST 2026
ELECTIONS
 28TH AUGUST 2026
HANDING OVER
 25TH SEPTEMBER 2026
★ LET'S PARTICIPATE. LET'S LEAD. LET'S BUILD.
TRANSPARENCY | INTEGRITY | UNITY | ACCOUNTABILITY

AGENDA
 1. Elections.
 2. Progress report by President.
 3. Progress review by various committees.
 4. Q & A

SCAN QR



ECG-WinE PREPAYMENT MONITORING PROJECT
at Aklakuma District
30th July 2026
Team Training & Safety Briefing
EFOT Conference Room @ 9:00am
org@ecgwinet.com

PREPAYMENT MONITORING PROJECT
AT AKLAKUMA DISTRICT
Opening Ceremony

VENUE
EFOT Conference Room, Akpakoraye

DATE
Thursday, 30th July, 2026

TIME
9:00AM



ECG-WinE PREPAYMENT MONITORING PROJECT
HELD AT AKLAKUMA DISTRICT

DATE
1st-15th August, 2026

TIME
9:00AM

VENUE
Aklakuma District

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info@ecgwinet.org



GhIE Pushes for Inclusive Engineering Education and Stronger Industry Partnerships

Story by: Ing Enyonam Kpekpena | Ghana (Africa) | Email: efkpekpena@yahoo.com

The Executive Director of the Ghana Institution of Engineering (GhIE), Ing Dr Enyonam Kpekpena, has underscored the importance of early exposure to Science, Technology, Engineering and Mathematics (STEM), mentorship, and stronger industry collaboration in advancing Technical and Vocational Education and Training (TVET) and engineering education in the country.

She made the remarks during a panel discussion at the “Collaborative for Engineering Education Advancement in Africa Summit” organised by Academic City University in Accra.

The summit, held under the theme “Engineering Education for a Sustainable Future in Emerging Economies,” brought together industry leaders, policymakers, academicians, innovators and students to discuss the future of engineering education and its contribution to industrial growth, sustainability and technological advancement.



Drawing from her experience as Executive Director of GhIE, General Manager of the Electricity Company of Ghana (ECG) Corporate Project Management Office, and Chair of the World Federation of Engineering Organizations – Women in Engineering (WFEO-WiN), Ing Dr Kpekpena noted that low female participation in engineering often begins at the early stages of education, where many girls perceive STEM subjects as difficult or unsuitable for them.

According to her, by the time many young women reach university or enter industry, they are often trying to overcome barriers created by years of limited exposure, encouragement and mentorship.

She explained that Women in Engineering at the African level has established competitions targeting girls between the ages of 5 and 14 to identify community engineering problems and propose practical solutions.

She noted that the initiative introduces young girls to STEM education at an early age and helps them understand engineering concepts through hands-on problem-solving activities.

Touching on industry expectations, Ing Dr Kpekpena said employers increasingly require graduates who can think critically, manage constraints and provide practical engineering solutions rather than relying solely on academic qualifications.

She indicated that ECG, through its mentorship and coaching initiatives, had developed a network of trained and prepared female engineering professionals who have benefited from practical exposure, internships and career development programmes to enhance their employability.

She further stressed the importance of stronger collaboration among schools, universities, industries and professional engineering institutions to promote structured mentoring, coaching and practical training opportunities for young engineers.

“At the Ghana Institution of Engineering, we are collaborating with industry to ensure that engineers receive hands-on training that enables them to appreciate not only the theoretical aspects of engineering, but also the practical application of engineering solutions,” she said.

Ing Dr Kpekpena called for deliberate national policies to support early STEM exposure for girls and encouraged female professionals in industry to mentor younger women pursuing careers in engineering and technical fields.

GhIE Champions Inclusive Leadership and Innovation at IEEE Women in Engineering Summit

Story by: Ing Enyonam Kpekpena | Ghana (Africa) | Email: efkpekpena@yahoo.com



The Ghana Institution of Engineering (GhIE) played a leading role at the 2026 Institute of Electrical and Electronics Engineers (IEEE) Women in Engineering (WIE) International Leadership Summit, reinforcing its commitment to advancing inclusive leadership, innovation, and entrepreneurship within the engineering profession.

The three-day summit, held from June 4 to 6 at Ashesi University in Berekuso, brought together engineering leaders, researchers, innovators, entrepreneurs, academics, and students from across Africa to explore the future of leadership, technology, and innovation under the theme: “Engineering a Balanced Future: Women, Leadership, Entrepreneurship and Technology.”

Participants from Ghana, Nigeria, Kenya, South Africa, Zimbabwe, and other African countries engaged in discussions aimed at strengthening leadership capacity, fostering innovation, and promoting greater participation of women in engineering and technology.

A highlight of the summit was the keynote address delivered by the Executive Director of the Ghana Institution of Engineering, Ing Dr. Enyonam Kpekpena, on leadership and the future of inclusive engineering.

Addressing participants, Ing Dr. Kpekpena challenged women engineers and professionals to move beyond participation and become active architects of change in their respective fields.

She emphasized the need for women to take up leadership roles in policy development, enterprise creation, technology governance, and institutional decision-making, noting that the future of engineering must be intentionally designed to be inclusive, innovative, and sustainable.

“The engineering profession must not only create technologies for the future but also ensure that diverse voices are represented in shaping how those technologies are developed, deployed, and governed,” she stated.

Drawing from her professional experience, she highlighted the importance of strategic leadership, visibility, mentorship, sponsorship, and entrepreneurship in building pathways for women and girls to thrive in STEM-related fields.

Her presentation also examined the transition from technical competence to strategic influence, encouraging women professionals to confidently pursue leadership opportunities and contribute to decision-making at the highest levels of society.

Through practical examples and interactive discussions, participants explored challenges affecting women in engineering and technology while identifying strategies to strengthen leadership pipelines and institutional support systems across Africa.

GhIE's contribution to the summit extended beyond the keynote presentation.

Ing Juliet Mawunyo Gbormittah, Director for Membership at GhIE, facilitated a workshop session on "Power," where she led discussions on career pathways within the energy sector and highlighted emerging opportunities for women seeking to build successful careers in power generation, transmission, distribution, and renewable energy.

The session provided participants with valuable insights into industry trends, professional development opportunities, and practical strategies for increasing female participation and leadership within the energy sector.

The active participation of GhIE representatives throughout the summit reflects the Institution's broader vision of promoting diversity, equity, and inclusion within engineering while supporting initiatives that empower women to lead and excel in technology, innovation, and entrepreneurship.

As engineering continues to play a critical role in Africa's development, GhIE remains committed to creating opportunities that strengthen leadership, inspire innovation, and build a more inclusive engineering profession capable of addressing the continent's evolving challenges.

The IEEE Women in Engineering International Leadership Summit is a flagship platform that brings together professionals, academics, industry leaders, and students to advance leadership development, promote gender inclusion, and inspire innovation across the engineering and technology sectors.



Women in Engineering, Ghana- Chapter News

ECG CHAPTER-Advancing Leadership, Innovation and Professional Excellence

Story by: Ing Jane Naki Tetteh-Anowie | Ghana (Africa) | Email: nakiforwork@gmail.com

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Management Conference & Excellence Awards, demonstrating technical excellence, leadership, and a shared commitment to advancing women in engineering.

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Quarter General Meeting and Election Roadmap



Local Content & Capacity: The Ghanaian Female Project Manager Ghana PMI NPC & NPEA Panel Discussion



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WINE OBUASI CHAPTER –Promoting Menstrual Health and Mentorship

Story by: Ing Jane Naki Tetteh-Anowie | Ghana (Africa) | Email: nakiforwork@gmail.com

The WinE Obuasi Chapter joined the Sustainability Department of AngloGold Ashanti Obuasi Mine to commemorate World Menstrual Hygiene Day 2026 under the theme, “Together for a Period Friendly World.” The event brought together students, teachers, health professionals and community stakeholders for educational and awareness activities aimed at addressing menstrual health challenges and breaking the stigma surrounding menstruation.



Following the successful inauguration of its Mentorship Programme at Asare Bediako Senior High School in the first quarter, the Chapter commenced mentorship sessions for 30 female students on 17 June 2026. Executives of the Chapter facilitated the first lesson on time management, helping the students appreciate the importance of using their time and other resources effectively.

Questionnaires and assignments were administered to better understand the students and assess their comprehension of the topics discussed. The school's leadership demonstrated strong commitment to the programme through their active presence and participation.

Through these initiatives, the WinE Obuasi Chapter continues to help shape the future of STEM by empowering young girls to dream boldly, innovate confidently and lead purposefully.





