

WFEO-WIE STC NEWSLETTER



The Committee on
Women in Engineering

Second Quarter – June, 2025

International Women In Engineering Day (23rd June 2025)

In This Edition

2025 WFEO-WIE Open Forum Webinar (Global)

Engineers Australia Celebrates Achievements and Inspires the Future – Australia – Asia/Pacific.

International Women in Engineering Day Activities –

- INWED Webinar – Global
- 2025 Outreach Event – Rwanda – Africa
- Empowering Women Engineers: Highlight from ECG-WinE (GhIE) Ghana – Africa

SAFEQ Women in Engineering Standing Committee Celebrates Eng. Refilwe Buthelezi, the Second Female President of FAEO during her Inauguration – Zambia – Africa.

Key Achievements of the FAEO President from Jan-June 2025 – South Africa – Africa.

2025 WFEO-WIE 2nd Open Forum Webinar (Global)



The Committee on
Women in Engineering



Wai Yie
Master of Ceremony



Ing. Dr Enyonam Kpekpena
Chair of WIE-WFEO

**WOMEN IN ENGINEERING COMMITTEE, WORLD FEDERATION OF
ENGINEERING ORGANIZATIONS**

**WFEO-WIE OPEN
FORUM**



28 May, 2025
14.30 - 15.30 GMT



ONLINE WEBINAR
ZOOM MEETING

REGISTER HERE

shorturl.at/knuk4

www.wfeo.org

The 2nd Open Forum Webinar of the Women in Engineering Committee, WFEO was held via zoom on 28th May 2025. The Open Forum Webinar was instituted in 2024 to provide a platform for WIE members to interact with each other and receive updates on key activities that have been undertaken to achieve WIE's strategic objectives. The 2nd forum webinar focused on great insights provided by theme leads on WIE's 4 strategic themes which include:

- **Theme 1:** Engineering Workforce Capacity building- to increase diversity and inclusivity in the future skills pipeline.
- **Theme 2:** Engineering Workforce Capacity building- to encourage female engineering retention and leadership
- **Theme 3:** Collection of Engineering Strategic Indicators
- **Theme 4:** Working in Partnership to address the Sustainable Development Goals, with a particular emphasis on Goal 5 and its relationship with the other Goals.

The link below provides a recorded version of WFEO-WIE 's 2nd Open Forum Webinar.

<https://www.wfeo.org/wfeo-committee-on-women-in-engineering-webinar-open-forum-2025/>

11th INWED WEBINAR (GLOBAL)



The Committee on
Women in Engineering

11TH INWED WEBINAR

Topic :

Harmonizing data
collection on
Women Engineers
across Countries: A
State-of-Art

📅 MONDAY, 23RD JUNE 2025

🕒 13:30 - 15:00 GMT

📍 ONLINE WEBINAR

Join our webinar to explore how harmonized data on women engineers can drive inclusive, evidence-based policies and progress, featuring experts advancing equity through engineering and global collaboration.

Don't miss out on this important discussion! Click below to register -

Click to Register

<https://shorturl.at/XFN1C>



HOST

Ing. Dr Enyonam Kpekpena, Ghana

Vice President / Chair, WFEO WIE Committee & Manager IT Projects Delivery, ECG- Ghana:



MC & SPEAKER

Jeanette Southwood, Canada

Vice Chair, Theme 3 - WFEO WIE Committee
P.Eng., FCAE, FEC, LL.D. (honoris causa)
ENGINEERS CANADA



CO-MC & SPEAKER
Yvette RAMOS, Switzerland

Deputy Vice Chair, Theme 3 - WFEO WIE Committee
MBA, MSc Eng, PhD-4th yr, President, SWISS ENGINEERING Geneva Chapter & Co-founder, WOMENVAI ECOSOC-NGO



SPEAKER

IR Prof. Dr. LEONG Wai Yie, Malaysia

Deputy Chair, WFEO WIE Committee
Fellow IEM, Fellow IET, CEng, PEng, SMIEEE, MIEM, H.MAFEO, APEC/IntPE



SPEAKER

Eng. Tshego Cornelius, South Africa

Vice Chair, Theme 3 FAEO WIE Committee
PE Engineering Council of South Africa, Electrical Engineering Discipline



SPEAKER

Pilar Robledo Villar, Spain

IIE Representative, WFEO WIE Committee
ISO; R&D Advisor; Industrial Engineer; Lecturer, University of Seville.



SPEAKER

Dr. Federica Robinson-Bryant, United States

INCOSE Representative, WFEO WIE Committee
"The Systems Doc", Systems Engineer, Founder, Denotion Research Group & Associate Director of Diversity, Equity, International Council on Systems Engineering's (INCOSE)

The 11th INWED Webinar of the Women in Engineering Committee, WFEO, was held on Monday, 23rd June 2025, via Zoom, under the theme **"Harmonizing Data Collection on Women Engineers Across Countries: A State-of-the-Art."** The session was organized by the leads of our Committee's **Strategic Theme 3 – Collection of Engineering Statistics** – whose initiative and commitment brought us this important dialogue.

Please find attached a PDF copy of the presentation slides shared during the webinar.
The webinar recording link, <https://www.youtube.com/watch?v=zgeLbuhRpvY&authuser=0>



Key Achievements of The FAEO President

From January – June, 2025

1. Development of an updated strategic plan for 2025-2030, which was essential to address the dynamic global environment and the evolving needs of the engineering profession across our continent.
2. The President initiated a collaboration of the WFEO Executive Council, which addressed FAEO's leadership on the Engineering Capacity Building for Africa program, a 10-year initiative supported by various UN organizations and the African Union. The program aims to enhance engineering education, continuous professional development, and technology transfer in Africa, with a focus on integrating digital technologies across various engineering disciplines to help African engineers catch up and address development challenges. The program aims to train 100,000 engineers over 10 years in AI and engineering. FAEO will be the focal point.
3. FAEO leadership met with the Secretary General of the African Continental Free Trade Area in Accra, Ghana in a discussion on the facilitation of infrastructure development for trade, harmonization of engineering standards, industrialization and local manufacturing, and engineering dispute resolution mechanisms in Africa. Further discussions are still underway.
4. FAEO through its Registrar's Committee, has prioritized the development of an African Engineers Register and CPD harmonization strategy, aligned with initiatives such as the DIGEAT Project funded by GIZ. A dedicated Workshop for Registrars is scheduled as a key side event during the AEW Conference in Uganda to deliberate on regulatory harmonization, capacity building, and implementation of continental frameworks, including the Africa Engineers Register and Mutual Recognition Arrangements (MRAs)
5. **FAEO Academy Learning Management System:** FAEO has developed the Academy learning and Management System, a digital learning and development platform intended to serve as a central hub for professional training, engineering innovation, and continental collaboration. The aim is to provide Africa's engineers with access to world-class resources and to foster knowledge exchange across national borders. This will be launched in September during the African Engineering Week Conference in Uganda. FAEO has called on all PEIs to partnership.
6. **MoU with CAST:** FAEO has engaged in an MoU with the China Association for Science and Technology. The purpose of the MoU is to promote cooperation between the Federation of African Engineering Organisations (FAEO) and the China Association for Science and Technology (CAST) in the field of engineering technology and engineering capacity building, and jointly promote exchanges of knowledge, information and mutual learning between the two organisations and its members, so as to accelerate the sustainable development of both regions and the rest of the world.
7. **FAEO 6-Part Webinar Series:** FAEO initiated a 6 part webinar series on advancing engineering standards in Africa: The Road to International Accreditation Membership. The 5th series is scheduled for 4th August, 2025
8. FAEO through its Alternative Dispute Resolution Committee is developing a comprehensive database of ADR (Alternative Dispute Resolution) practitioners in the engineering sector across Africa. A call for data collection for FAEO ADR register has been issued to all National Members.
9. The President was recognized and appreciated by the International Engineering Alliance (IEA) in Merida for FAEO's contribution towards increasing engineering accreditation as the Engineers Board of Kenya (EBK) achieved the provisional membership of the Washington Accord with other Countries still in the process.
10. The Nuclear Energy Committee of FAEO has been organising a webinar series on nuclear energy with a good number of participants in attendance

SAFEO Women in Engineering Standing Committee celebrated Eng. Refilwe Buthelezi, the second female President of FAEO during her Inauguration.

Story by: Eng Agness Mofya Mwansa | Region: Africa | Email: amofya@gmail.com

Eng. (Mrs) Refilwe Buthelezi was celebrated in a colorful ceremony by the Women in Engineering Committee (WIE), a standing committee of the Southern African Federation of Engineering Organizations (SAFEO) whose mission is to bring together, empower, inspire, promote, and share the accomplishments of women in engineering and technology in the Southern Africa region, during her inauguration in Gaborone on March 4, 2025.



Eng Berverly Nyakutsikwa (FAEO-WIE Theme 1 Lead) and Eng Tshego Cornelius (FAEO-WIE Theme 3 Lead), led the delegation on behalf of Women in Engineering Committee, and delivered the gifts to President Refilwe. In her speech, Eng Berverly expressed delight to have a female once again taking the leadership of FAEO, especially a member of SAFEO. She also stated that President Refilwe's accomplishment serves as a beacon for other female engineers and encourages others who are upcoming that the possibilities of achievement are endless. We are extremely delighted to be linked with greatness, and we wish her the best during her tenure.

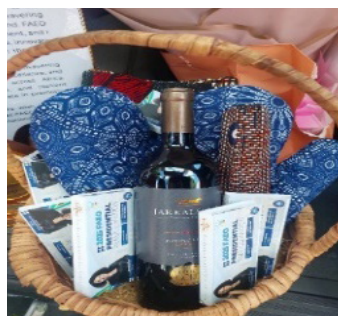
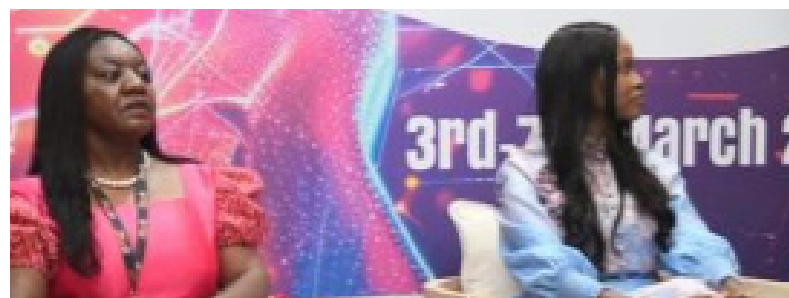


1. Women in Engineering Forum and Launch of WIE Botswana

Eng. Buthelezi is the first female President of the Engineering Council of South Africa (ECSA) and the current President of the Federation of African Engineering Organizations (FAEO), a great achievement that was celebrated by both SAFEO-WIE and FAEO-WIE. She is the second female President of FAEO since its founding, with Ing. (Mrs) Carlien Bou-Chedid from Ghana being the first female President of FAEO.



The Women in Engineering Forum took place in Botswana on March 6, 2025. During the forum, WIE Botswana was launched. The Assistant Minister for State President Hon. Maipelo B. Mophuting officiated at the Women in Engineering Forum. She said the establishment of Women in Engineering Botswana (WiEB) is about ensuring that women and youth are at the forefront of shaping Botswana's engineering landscape by unlocking their potential and fostering mentorship.



Hon Mophuting reiterated the commitment of Botswana in supporting policies and initiatives that promote skills transfer, capacity building and leadership training in engineering as well as other Science, Technology, Engineering and Mathematics (STEM) fields and has set a target of 30% by 2030.



2. Engineering Council of South Africa (ECSA) establishes the Women In Engineering (WIE) Programme

The ECSA Women in Engineering (WiE) Programme is established in partnership with ECSA's recognised Voluntary Associations (VA's) and industry Employer Bodies. This initiative is designed to promote diversity for women in the engineering fraternity, create a platform that focuses on issues that women face in the sector, as well as to provide support for mentorships, and initiatives implemented by ECSA, VA's and Employer Bodies.



The purpose and objective of this programme is to promote diversity for women in the engineering fraternity, creating a platform that focuses on issues that women face in the sector. The programme

will also assist in building mentorships pipelines for women in the sector and attract younger female engineering practitioners to become registered.

3. 7th Zambia Women in Engineering Section (ZWES) Annual Conference



The Zambia Women in Engineering Section (ZWES) held its 7th Annual Conference in Livingstone under the theme, "The Future of Work: Women's Role in Driving Sustainable Engineering Solutions." The conference was held on 4th April 2025.

Since its inception in 2016, ZWES has been a driving force in empowering female engineering professionals through advocacy, mentorship and leadership development. The conference marked a special milestone as ZWES celebrated its 9th anniversary.

The event was graced by trailblazing keynote speakers:

Prof. Eng. Elizabeth Taylor, Chairperson of the Governing Group and Deputy Chairperson of the Sydney Accord for the International Engineering Alliance, and Eng. Refilwe Buthelezi, the first female President of the Engineering Council of South Africa (ECSA) and second female President of the Federation of African Engineering Organizations (FAEO).



Prof. Taylor's keynote, "Engineering Excellence: Women in Engineering," celebrated the growing contributions of women in global engineering and called for continued mentorship and excellence-driven practice.

Eng. Buthelezi followed with an empowering talk on "Dynamic Leadership: Overcoming Challenges as Female Leaders," urging women to lead with resilience, confidence, and clarity in an evolving professional landscape.

ZWES Chairperson Eng. Agness Mofya opened the conference with remarks that called attention to the achievements of women in engineering, while also challenging the profession to go further. EIZ President Eng. Wesley Kaluba commended the incredible contributions of women in engineering and urged them to become ambassadors for the next generation. For many, the 7th ZWES Conference wasn't just a professional event, it was a movement of empowerment, excellence, and sisterhood in engineering.





KESATRIA Malaysia Ambassador 2025

Story by: Ir Prof Dr Leong Wai Yie | Region: Asia/Pacific | Email: waiyie@gmail.com

Prof. Ir. Dr. Leong Wai Yie, Senior Professor at the Faculty of Engineering and Quantity Surveying, INTI International University, has been named a KESATRIA Malaysia Ambassador 2025 by the Malaysia Convention & Exhibition Bureau (MyCEB) and the Ministry of Tourism, Arts and Culture (MOTAC).

The recognition highlights her longstanding efforts in promoting Malaysia as a strategic destination for international business events, spanning high-level engineering forums, innovation expos, and cultural showcases.

Her recognition as Kesatrian Malaysia 2025 represents an affirmation that years of hard work, advocacy, and public engagement have contributed meaningfully to Malaysia global professional and business standing, said Prof. Leong. This recognition continues to motivate me to drive initiatives that foster economic prosperity and knowledge development, while shaping more

sustainable and innovative future for our business events industry .



Malaysia ITEX 2025: A Resounding Success

Story by: Ir Prof Dr Leong Wai Yie | Region: Asia/Pacific | Email: waiyie@gmail.com



The International Invention, Innovation, Technology Competition & Exhibition, Malaysia (ITEX 2025) at the KL Convention Centre, concluded successfully, showcasing over 850 inventions from a diverse pool of innovators. For over 35 years, ITEX has been the premier event in Asia for inventors and investors to connect and collaborate. Held at the KL Convention Centre in Malaysia, ITEX offers a unique opportunity to showcase your inventions to a global audience and propel your ideas forward.

The three-day event was marked by vibrant exchanges of ideas, cutting-edge technologies, and invaluable networking opportunities. Academician Tan Sri Emeritus Professor Datuk Dr Augustine S. H. Ong, President of MINDS officiating the opening of ITEX 2025. The industry's keenest were here to discuss and debate research work. Fellow inventors and researchers were delighted with the level of academic discussion enabled here.



Conference Keynote Speaker

Story by: Ir Prof Dr Leong Wai Yie | Region: Asia/Pacific | Email: waiyie@gmail.com

Ir Prof Dr Leong Wai Yie was invited as Keynote Speaker to share in 10th International Conference on Research Innovations at Trends on Computational Science (iCRI-TCS-2025) organized in Malaysia on 20-21 June 2025.

The conference provides a platform for scientists and researchers from across the globe to exchange, brainstorm, and identify research needs and opportunities in broad aspects of Physical, Mathematical and Computational Science. She talked on the "AI Advancement in Bioinformatics", reviewed the latest innovations, applications, and limitations of AI in bioinformatics, underscoring its potential to revolutionize diagnostics, therapeutics, and fundamental understanding of life sciences in the era of precision medicine.



WOMENVAI and PARTNERS Activities around the world

Story by: Yvette Ramos (Switzerland) and Lidia Zakowska (Poland) | Region: Europe |
Email: yvette.amos@swissengineering-ge.ch and lidia.zakowska@pk.edu.pl



WSIS+20
HIGH-LEVEL EVENT 2025
7-11 July 2025
Geneva, Switzerland



Leveraging ICT for ageing populations: addressing Gender disparities & measuring Impact.

An international w/shop for the dissemination of the Age-IT program results and other prospects.

Women and girls in digital special track



11 July 2025

10am-10:45am CET

Room F – PALEXPO

Geneva, Switzerland

Elisabetta Venezia, University of Bari Italy | Karen Vianey Kenmoe, ESIF Cameroun | Liliane Dorveaux, EPF Engineering School France | Elena Estavillo, Centro-i Mexico | Asma Brini, Abshore France - Tunisia | Yvette Ramos, Swiss Engineering Geneva Switzerland



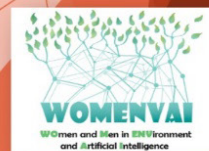
UniBa



ENGINEERING SCHOOL
Creating the future together



ABSHORE
Digitizing Business. Analyzing Data



From March to July 2025, WOMENVAI, alongside its Partners and delegate friends WFEO Women in Engineering (WIE) and Swiss Engineering Geneva Chapter, has intensified its global advocacy for women in STEM through strategic engagement across key United Nations platforms. namely, at the UN WOMEN CSW69 in New York (USA), we advocated for gender-transformative innovation policies and the visibility of female engineers in climate adaptation and digital transition frameworks. In April, we initiated steps toward establishing a UNESCO Chair on Gender Equality in STEM in partnership with EPF School of Engineering in Montpellier (France), promoting research and intergenerational equity in education and innovation.

We also strengthened collaboration with the Food and Agriculture Organisation of the United Nations Under the "FAST initiative" in Rome (Italy), ensuring women-led agritech and climate-smart solutions are prioritized in food systems transformation. At the UN Ocean Conference in June (Nice, France), we emphasized the role of women engineers and scientists in resilient coastal infrastructure and blue technologies.

On 16 May 2025, the SMUS International Scientific Symposium was held in Krakow, Poland as part of the 80th anniversary of Cracow University of Technology, co-organized by CUT, the Polish Regional Chamber of Construction, and the ECOSOC

NGO WOMENVAI. The event gathered national and international experts to explore sustainable urban mobility from engineering, environmental, and social standpoints. Key topics addressed included accessibility and inclusive mobility planning (SUMP), urban resilience and public transport infrastructure, citizen participation and flexible transport in underserved areas, climate governance and various student project exhibition on urban space rehabilitation. WOMENVAI contributed through four speakers, including President Yvette Ramos, who moderated and presented on climate-justice-linked mobility, Professor Lidia Zakowska and Professor Elisabetta Venezia, Secretary General. The conference concluded on the necessity of integrated planning, community engagement, and cross-sector partnerships for the benefit of effective transport; it also highlighted the need to better consider aging populations, rural mobility gaps, and legal infrastructure adaptation. Next steps include not only promoting joint research on sustainable public transport solutions, but also development of knowledge exchange across European regions, and the amplification of youth, women, and climate justice perspectives in mobility debates. The SMUS symposium reaffirmed the urgency and interdisciplinary nature of shaping resilient, people-centered urban mobility systems.

At the June United Climate Conference on Climate Change organised by the UNFCCC (SB62) in Bonn,

Germany, we delivered a statement calling for inclusive governance in climate engineering and scientific integrity in climate transition policies.

Finally, on 11th July as the occasion of the ITU WSIS+20 held in Geneva, Switzerland, women engineers and technicians shall advance digital inclusion and highlight the need for ethical AI design by diverse tech leaders at the occasion of our side event organized (see flyer).

*** Together, we reaffirm: women in STEM are not a subset “they are central to building just, green, and resilient futures.”***



Status of STEM Women-Led Start-ups in India

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



The share of self-employed women (65.3% in 2023-23) is the largest among the total employed female population in India. The STEM women-led start-ups are a niche segment of that spectrum. Their situation was not very encouraging till a few years back. Some of the main challenges before them were the requirement for a high investment, issues pertaining to collaboration and gender biases. To ameliorate them, the whole ecosystem has been rejuvenated.

Beside many programmes as the National Skill Development Mission, Support to Training and Employment Program for Women (STEP) Scheme, Digital India, Trade India, Start-Up India,

make in India, Atal Innovation Mission (AIM), and Pradhan Mantri Mudra Yojana during last decade, the Government of India “Women in Engineering, Science, and Technology (WEST)” in 2022 specially to cater the need of women. The universities have established incubators to support early-stage start-ups, providing resources, mentorship and a collaborative environment. The corporate sector is helping directly or through its CSR. These programmes have yielded positive results as India has a large pool of STEM women and some of them have taken up the baton. India is home to over 7,000 active women-led start-ups, making it one of the largest in the world.



WinE Ghana Welcomes New President

Women in Engineering (WinE) Ghana has successfully elected Ing. Jane Naki Tetteh-Anowie as its new President, following the exemplary leadership of Ing. Enyonam Kpekpema.

With a strong track record as WinE Vice President and service on several GhIE committees, Ing. Naki brings proven leadership and deep commitment to advancing women in engineering.

Her vision includes:

- Promoting diversity and inclusion
- Strengthening partnerships for knowledge sharing
- Fostering mentorship, training, and networking opportunities

Congratulations to Ing. Naki and heartfelt thanks to Ing. Enyonam for her dedicated service!



Ing. Jane Naki Tetteh-Anowie

REPORT ON THE WINE ROUNDTABLE DISCUSSION: THRIVING, NOT SURVIVING – SMART STRATEGIES FOR PURPOSE, PRODUCTIVITY, AND WELL-BEING

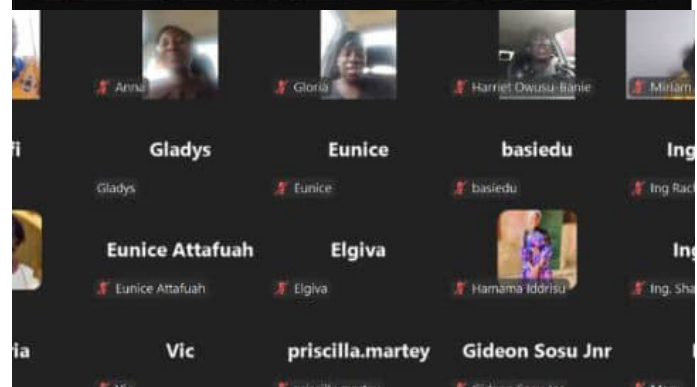
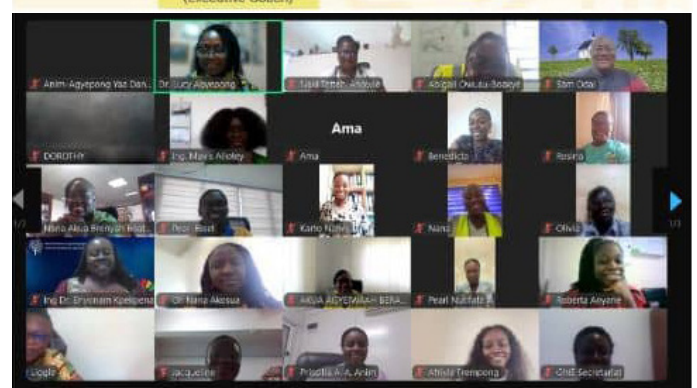
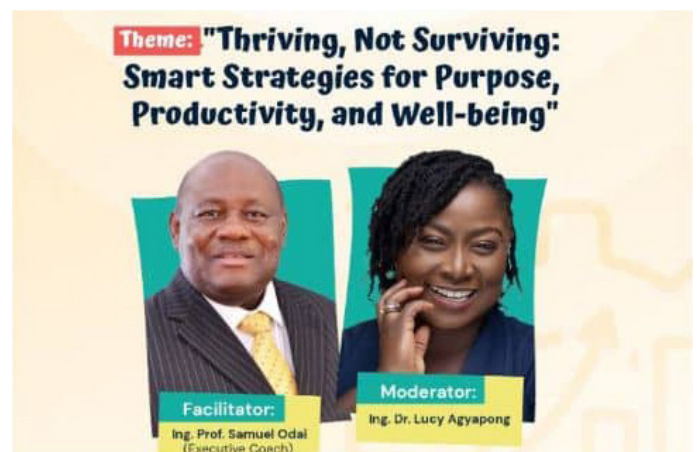
On June 13, 2025, Women in Engineering (WinE) Ghana hosted a virtual roundtable discussion on the theme *"Thriving, Not Surviving – Smart Strategies for Purpose, Productivity, and Well-being."* The session, facilitated by Ing Prof. Samuel Nii Odai, provided a safe and insightful space for women engineers to reflect on how to navigate the demands of their professional and personal lives with intentionality and resilience.

The discussion explored key areas such as stress

management, work-life alignment, and designing a life of purpose in engineering. Prof. Odai shared practical frameworks and insights on cultivating self-awareness, clarifying personal goals, and aligning one's daily actions with long-term vision. Participants also shared lived experiences, shedding light on the challenges women face in balancing high performance with well-being.

The session highlighted the importance of community, regular self-check-ins, and building systems that foster productivity without compromising health or fulfilment. It concluded with a collective call to redefine success, not just in terms of output, but also in terms of inner peace, personal growth, and sustainable impact.

This roundtable forms part of WinE Ghana's ongoing efforts to empower women engineers through meaningful conversations that nurture both professional and personal excellence.



INWED 2025: Inspiring the Next Generation of Female Engineers Across Ghana

As part of the global celebration of International Women in Engineering Day (INWED), Women in Engineering Ghana (WinE Ghana), a special interest group of the Ghana Institution of Engineering, organised nationwide mentoring events on Monday, 23rd June 2025. These events, held simultaneously across WinE's seven branches, aimed to inspire and encourage young girls at the basic and secondary levels to pursue careers in engineering and STEM-related fields. The initiative also sought to emphasize the critical contributions of women engineers to national and global development.

The 2025 mentoring sessions focused on three key objectives: inspiring and guiding girls toward STEM and engineering career paths, highlighting the importance of female engineers in sustainable development, and fostering mentorship opportunities between young students and practicing women engineers. With a commitment to inclusivity and empowerment, the programme brought together over 700 schoolgirls and their teachers from selected schools across the country.

Participating schools included Mary Mother of Good Counsel School in Accra, Armed Forces Senior High and Technical School in Kumasi, Lamashegu Technical Institute in Tamale, Notre Dame Girls' Senior High School in Sunyani, Ola Girls' Senior High School in Ho, and Essawa M.A. School in Essikado-Takoradi. At each location, WinE members—drawn from various branches—served as mentors and resource persons, sharing their stories, insights, and encouragement with the girls.

The day's programme followed a structured format that included a keynote address highlighting the significance of INWED and opportunities for girls in engineering. This was followed by breakout mentoring sessions, where small groups engaged in discussions on career discovery, overcoming gender stereotypes, and how engineering can drive social and national development. Interactive Q&A sessions created space for open dialogue, and branded stationery was distributed to the girls as a lasting token of the event.

The impact of the programme was palpable. Students expressed a deeper understanding and renewed excitement about engineering careers. Teachers praised the initiative for its practical insights and relatable mentorship. WinE members themselves renewed their commitment to building lasting mentorship ties with schools and creating opportunities for sustained engagement.

INWED 2025 reaffirmed the power of community, representation, and proactive engagement. It underscored the importance of visibility for women in engineering and the need to actively support the next generation of female innovators. WinE Ghana remains committed to continuing and expanding initiatives that empower girls and ensure they have

the tools, confidence, and support to boldly pursue engineering.

Together, we engineer a future that includes all.



Empowering Women Engineers: Highlights from ECG-WinE Ghana

Story by: Ing Dr. Enyonam Kpekpena | Region: Africa | Email: efkpekpena@yahoo.com

Since its official launch, the Women in Engineering (WinE) group at the Electricity Company of Ghana has focused on visibility, mentorship, outreach, and professional development. Through technical training, school engagements, and internal initiatives, ECG-WinE is creating a strong and supportive network for women in engineering.



Official Launch of ECG-WinE:

Celebrating the beginning of a new chapter for women engineers at ECG, marked by strong leadership and commitment.

Visibility Tuesday:

Members show unity and pride every 2nd and 4th Tuesday by wearing ECG-WinE T-shirts across various ECG offices.

In-House Mentorship Program:

Young women engineers are paired with experienced mentors for career guidance, growth, and confidence-building.

Technical Training for ECG-WinE Members:

Hands-on training sessions focused on Network Design, Protection & Control, and System Planning to strengthen technical expertise.

Career Guidance at Koforidua for Junior High School Student:

ECG-WinE members visited schools to encourage girls to explore careers in engineering and other STEM fields.

Financial Literacy Webinar:

An interactive session that helped members build essential money management and investment skills.

Protecting Your Online Presence Webinar:

A session that taught members how to navigate the digital space safely and maintain a professional online image.

Mentorship at Merton International School:

An outreach event focused on personal development, motivation, and career exploration for high school students.

Mentorship Program with UG-WinE:

University of Ghana students engaged with ECG-WinE members on career planning, internships, and engineering pathways.

Transport Policy & Defensive Driving Webinar:

Training members on ECG transport policies and best practices for safety on the road, especially for field engineers.

These activities reflect more than just a checklist, they represent ECG-WinE's ongoing commitment to empowering women in engineering through meaningful opportunities, mentorship, and visibility. The momentum continues to grow, and with every initiative, ECG-WinE is helping shape a future where more women can lead, innovate, and thrive in the engineering space.

Empowering Women Engineers: Highlights from ECG-WinE

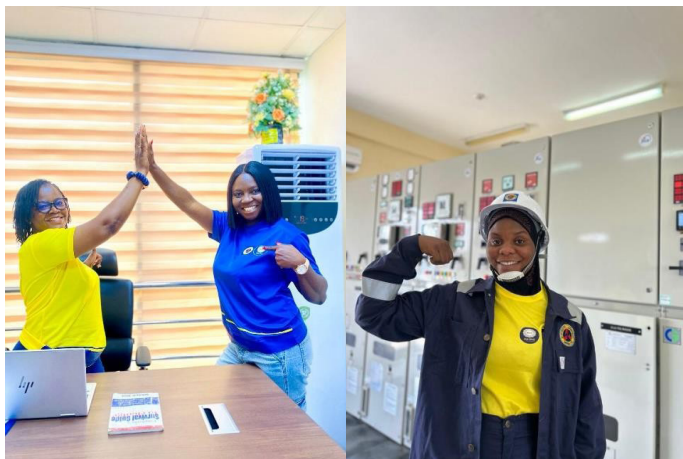
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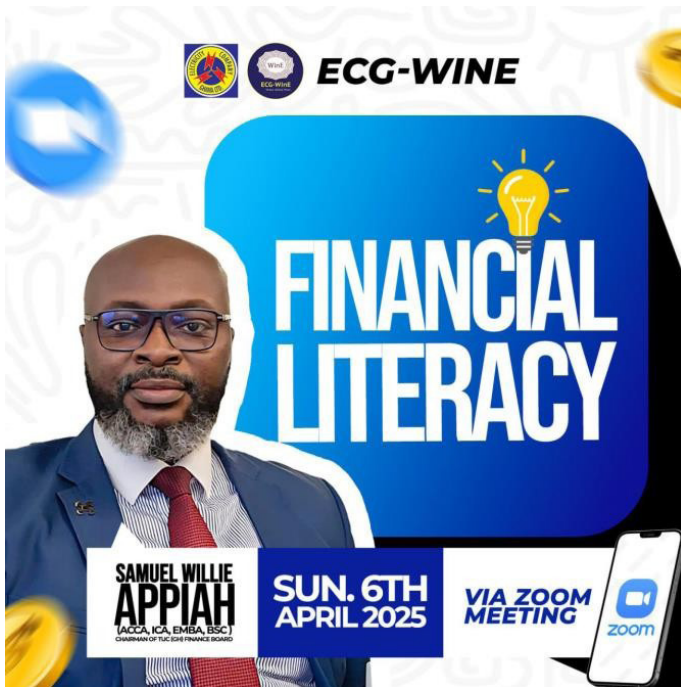
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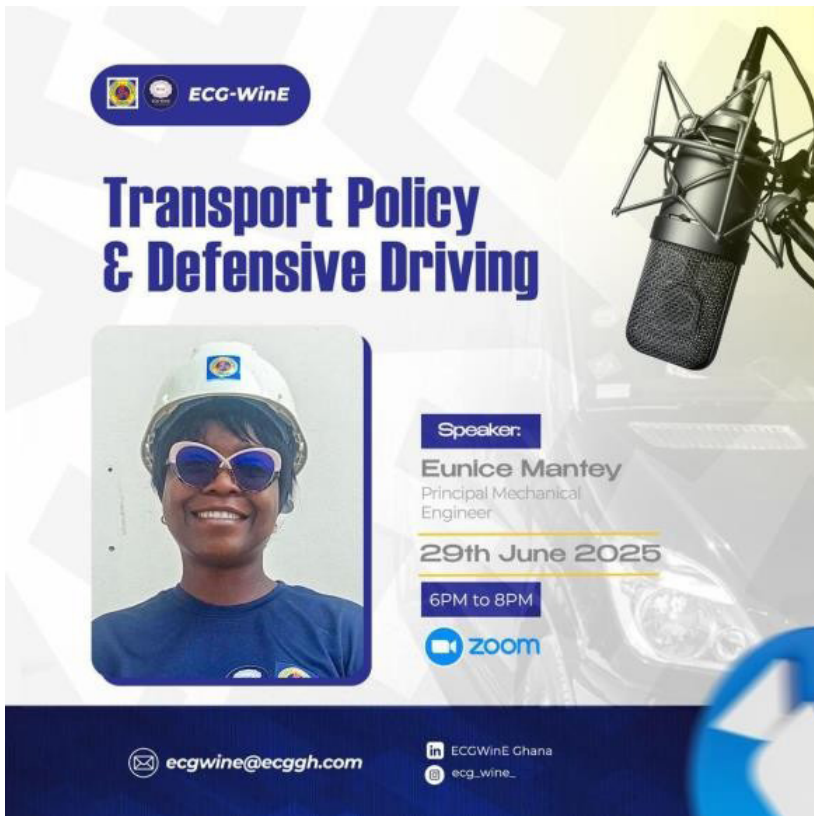
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Follow us on all our social media platforms to stay connected, inspired, and updated:

Facebook - <https://web.facebook.com/profile.php?id=61577317827894>

Instagram - https://www.instagram.com/ecg_wine_/

LinkedIn - <https://www.linkedin.com/company/ecg-wine-ghana/>

TikTok - https://www.tiktok.com/@ecg_wine?_t=ZM-8tP2RqETlrx&_r=1

Promoting the Legacy of Purple Corn from Cajamarca to the World

Story by: Maria del Carmen Ponce Mejia | Region: Peru | Email: mcponcem@gmail.com



Alicia Elizabet Medina Hoyos, an agronomist engineer and certified RENACYT researcher, has dedicated over three decades to the development and innovation of amylaceous corn at the National Institute of Agrarian Innovation (INIA) in Peru. Her technical leadership has been instrumental in the release of high-impact corn varieties such as INIA 601 Morado, INIA 603 Choclero, INIA 623 Cumbemaino, INIA 604 Morocho, and INIA 614 Paccho.

technologies such as the use of edible oil for the biological control of *Helicoverpa zea*.*

Her efforts led to the passing of Law 32287, which officially declares Cajamarca the "National Capital of INIA 601 Purple Corn." Additionally, she supports the development of local enterprises that transform purple corn into value-added products in the food, beverage, and artisan sectors.

Thanks to her unwavering commitment, INIA 601 purple corn is now cultivated across all 13 provinces of Cajamarca and has expanded to other regions of Peru and Latin America. Alicia has trained hundreds of farmers in sustainable agronomic practices and introduced innovative

Despite limited resources and outreach challenges, Alicia continues to lead with science, innovation, and passion—empowering rural women and advancing sustainable development through agronomic engineering.



Redefining the Ladder: Building Support Systems for Female Engineers to Rise and Stay

Story by: Joan Nweke | Region: Nigeria | Email: jo_jo981@yahoo.com



Across Africa and the world, women in engineering are breaking barriers, yet many still exit the field prematurely. While more women enter engineering programs, fewer remain or rise into leadership roles, a challenge often called the leaky pipeline.

Barriers include lack of mentorship, rigid work cultures, gender bias, and limited leadership pathways. As the Theme 2 Lead of WIE-FAEO, my focus is on tackling these issues by promoting systems that support retention and leadership.

Key solutions include:

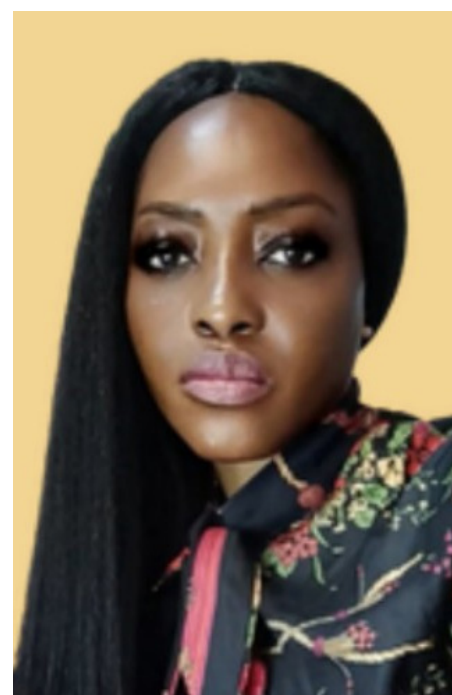
- Mentorship and sponsorship networks, like WIE-FAEO's Mentorship Without Borders

- Flexible, inclusive work policies to support work-life balance
- Leadership development programs that prepare women for senior roles
- Visibility campaigns to showcase African women leaders in engineering

This is a global challenge, and we must act collectively. We call on institutions, industry leaders, governments, and engineers both male and female to invest in these support systems.

Retention and leadership go hand in hand. When we redesign the engineering ladder to be more inclusive and supportive, we enable women not just to enter, but to thrive and lead.

Let us build systems that empower female engineers to rise and stay.



Engineers Australia celebrates achievements and inspires the future

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Engineers Australia congratulates outstanding engineers that have been recently recognised. Dianne Boddy AO received the Order of Australia honour for her contributions to mechanical engineering and inclusion. In 2024, Engineers Australia's Chief Engineer Katherine Richards AM CSC and Kate West became Honorary Fellows of Engineers Australia, and Dr Marlene Kanga AO received the prestigious Peter Nicol Russell Memorial Medal, the highest honour given by Engineers Australia.

As we look to the future, Engineers Australia has launched its Inspiring Future Engineers program. The program is a national, multi-year initiative aimed at raising awareness engineering among young Australians and those who influence their career decisions. Further information is available [here](#).



International Women In Engineering Day 2025 Outreach Event Report

Story by: UMUBYEI Naila | Region: Rwanda | Email: naila.umubyeyi7@gmail.com



The Women in Engineering (WiE) Chapter of the Institution of Engineers Rwanda (IER) organized an outreach event at Rwanda Polytechnic IPRC Tumba on 25th June 2025 to mark International Women in Engineering Day (INWED), under the theme 'Together We Engineer'. The event aimed to promote mentorship, showcase student innovation, and strengthen the support system for aspiring female engineers.

given by the Dean, followed by a presentation from the WiE President highlighting the Chapter's mission and encouraging student engagement.

Three student-led innovations were showcased: the Eza Machine (automated irrigation system), a Smart Bee Harvesting System, and ISHINGIRO AI (a mental health support chatbot). While the projects showed promise, the students noted challenges such as limited funding and lack of external support.

Key outcomes included strengthened academic-professional links, increased student motivation, and a renewed commitment by IER-WiE to support young women in engineering.



The IER-WiE delegation was welcomed by the school leadership and around 50 female engineering students. Opening remarks were

Delegates also visited workshops and conducted mentorship sessions, where senior women engineers shared their experiences and advice. The event concluded with an award ceremony recognizing the top projects with certificates and financial support.





The Committee on
Women in Engineering