

WFEO-WIE STC NEWSLETTER



The Committee on
Women in Engineering

April, 2024

The New **WIE Chair**



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400 inventors from Malaysian received 26
Gold, 59 Silver, 25 Bronze, and more than 10
Special Awards

Meet the New WIE Chair



Ing. Dr Enyonam Kpekpena, Ghana

*Past Theme 2 Lead (WFEO – WIE – 2020 – 2023)
President, Women in Engineering
(WinE, Ghana)*

The new Chair is presently the Vice President (WFEO)/ Chair for the Women in Engineering (WIE) Committee of the World Federation of Engineering Organizations (WFEO), Chair of WIE, Federation of African Engineering Organizations (FAEO), and the President of Women in Engineering, Ghana.

After being the Deputy Vice-Chair of Female Retention and Leadership in Engineering; theme 2 for the WFEO Committee on Women in Engineering, she has been appointed Chair of the Committee of Women in Engineering, a Standing Committee of WFEO for the term 2024-2027.

Ing. Dr. Mrs. Enyonam Kpekpena has over twenty years extensive experience in the fields of telecommunications, networking, Information Technology and Project Management and distinguished herself as a practicing professional and academic. She is currently the manager in charge of IT Projects Delivery at the Electricity Company of Ghana Limited, She is a Certified Project Management Professional (PMP),

She holds a bachelor's degree in electrical and Electronic Engineering from Kwame Nkrumah University of Science and Technology (KNUST), a Master of Science Degree in Management with a specialization in Information Technology (IT) and Project Management Colorado Technical University (CTU), USA, and a Doctorate Degree in Management from

CTU, USA, with a concentration in Project Management.

Enyonam is the current President of the Women in Engineering (WinE), Ghana, a Fellow and Council member of the Ghana Institution of Engineering, and a member of the Project Management Institute (PMI), Ghana and Global chapters.

On the international front, Ing. Dr. Mrs. Kpekpena is the Chair of the Women in Engineering Committees of the World Federation of Engineering Organizations (WIE-WFEO) and the Federation of African Engineering Organizations (WIE-FAEO).

Her passion is to encourage, counsel and mentor young students, more specifically females in making wise career decisions.

Introducing the WFEO-WIE Themes Lead

Theme 4 Leads 2024-2027



**Dawn
Bonfield, UK**

*President,
Commonwealth
Engineers Council
WFEO-WIE
Theme 4 Lead
(2020-2023)*



**Eng. Agness
Mofya Mwansa,
Zambia**

*Chairperson -
Zambia Women in
Engineering Section,
Chairperson- SAFEO
WIE.*



**Maria Noelia
Centry Rodriguez,
Peru**

*WFEO-WIE Rep,
College of Engineers ,
Peru
Inter-Institutional
Relations
Coordinator, WIE
Committee, College
of Engineers, Peru.*

Theme 3 Leads 2024–2027



**Yvette Ramos,
Switzerland**

*President and cofounder
WOMENVAI NGO
President Swiss Engineering ,
Switzerland
Past WFEO–WIE Theme Lead
(2016–2019)*



**Jeanette Southwood,
Canada**

*Vice President, Corporate
Affairs and Strategic
Partnerships, Engineers
Canada Past WFEO–WIE
Theme 3 Lead (2020–2023)*

Theme 2 Leads 2024–2027



**Eng. Jitu Kebede Guta,
Ethiopia**

*Chair, Ethiopian association
Civil Engineers (EACE)*



**Man Chit Jovian Cheung,
Hong Kong**

Theme 1 Leads 2024–2027



**IR Prof. Dr. LEONG Wai Yie,
Malaysia**

*Past Theme 1 Lead WFE)–WIE
2020–2023*

*Past Chair, WIE Malaysia
Award Winner, WFE0 Women
In Engineering Award 2022
INWES Vice President of
External Relations*



**Eng. Sharon Mabengwa
Musonda, Zambia**

*Vice President, Membership
and Continuous
Professional Development,
Engineering
Institution of Zambia.*

WIE–WFE0 – Advisors 2024–2027



**Engr. Yetunde Holloway,
Nigeria**

Past Chair, WFE0–WIE



**Engr. Theresa Gbayan,
Nigeria**

*Past Administrative Officer,
WFE0–WIE*



“Women in Engineering (WIE) is a Standing Committee of the World Federation of Engineering Organizations with the purpose of Empowering Women in Engineering and Technology”



International Women’s Day 2024 – PERU

Colegio de Ingenieros del Perú

A panel was developed with pioneering women and obtaining the greatest merits. The guest panelist was Commander Edda Airaldo Soria, the first female Firefighter of Peru; Engineer Lieutenant Colonel Gladys Navarro Hidalgo, first rank in the engineering arm; Doctor Mónica Gómez León, the first female Doctor of Science from the National University of Engineering; and Engineer Esmeralda Asurza Espíritu, President of the National Women Engineers Committee; and as moderator, Engineer M. Noelia Centty

Rodríguez, WFEO and Interinstitutional Relations representative of the CNMI. Awards were given to the “CIP Engineer 2024” and “Young CIP Engineer 2024”.

Story by Maria Noelia, Colegio de Ingenieros del Perú

Theme Lead

ingcentty@gmail.com



National Conference on Contribution to National Development by Malaysian Women Scientists and Inventors

In conjunction with International Women's Day 2024, the Malaysian Invention and Design Society (MINDS) organised a half-day National Conference on Contribution to National Development by Malaysian Women Scientists and Inventors on 9 March 2024 via online.

This is the fifth Women's Conference series organised by MINDS after the success of the four National Women Conferences held in 2019, 2021, 2022 and 2023 respectively.

More than 200 delegates were present to hear from outstanding women scientists from Malaysia in the fields of Chemical

Reaction & Energy Engineering, Ocean & Earth Sciences, Human Anatomy & Neuroscience, Cell & Molecular Biology, Palm Oil Milling Technology & Operations, Oil Palm Biomass Processing Technology, and Soil Sciences & Plant Nutrition.

This was indeed inspiring to see the role Malaysian women scientists are playing in shaping the future of technology, and how critically important our voices are in shaping the future.

Story by Wai Yie Leong, The Institution of Engineers Malaysia

Theme Lead

waiyie@gmail.com



MINDS
MALAYSIAN INVENTION AND DESIGN SOCIETY



INTI
International University

5TH NATIONAL **2024** CONFERENCE - WEBINAR

On Contribution to National Development by Malaysian Women Scientists and Inventors

The objectives of this conference are to:

- (i) inspire female youth to pursue and excel in science, technology and social sciences
- (ii) update the public on the contributions by eminent Malaysian Women Scientists
- (iii) recognise the outstanding lifetime contributions of a Malaysian Woman Scientist, with the conferment of a Lifetime Scientist Research Achievement Award
- (iv) encourage the development and recognise the contributions of an outstanding Young Malaysian Woman Scientist below 40 years, with the conferment of a Young Women Scientist Award.

We invite:

Academics, Scientists, Technologists, Engineers, Professionals, Students (Upper Secondary, Pre-University, Undergraduate and Postgraduate Students).

Speakers:

Outstanding women scientists in the fields of Chemical Reaction & Energy Engineering, Ocean & Earth Sciences, Human Anatomy & Neuroscience, Cell & Molecular Biology, Palm Oil Milling Technology & Operations, Oil Palm Biomass Processing Technology, and Soil Sciences & Plant Nutrition.



WELCOME ADDRESS

ACADEMICIAN EMERITUS PROF. TAN SRI
DATUK DR. AUGUSTINE S. H. ONG
PRESIDENT, MINDS

Date: 9 MARCH, 2024

Start: (UTC+8) 9.00 AM - 1.30 PM

WEBINAR

CHAIRPERSON & MODULE
CHAIRPERSON



YBHG. DATUK DR. CHOO YUEN MAY, FASC

Vice President, MINDS
Chairperson, Conference Organizing Committee
Chairperson, LadyMINDS Chapter

KEYNOTE ADDRESS



PROF. IR. DR. NOR AISHAH SAIDINA AMIN

Universiti Teknologi Malaysia (UTM)
*Recipient of Outstanding Woman
Scientist - Lifetime Scientific Research
Achievement Award 2024*



ASSOC. PROF. DR. MARIATULQABTIAH ABDUL RAZAK

Universiti Putra Malaysia (UPM)
*Co-recipient of Young Woman Scientist
Award 2024*



TS. DR. NAHRUL HAYAWIN BINTI ZAINAL

Malaysian Palm Oil Board (MPOB)
*Co-recipient of Young Woman Scientist
Award 2024*

MODULE CHAIRPERSON



PROF. IR. DR. LEONG WAI YIE

Vice President, International Network of Women
Engineers and Scientists (INWES)
Council Member, MINDS
Council Member, IET



PROF. DR. LIM PHAIK EEM

Universiti Malaya (UM)



ASSOC. PROF. DR. CHEAH PIKE-SEE

Universiti Putra Malaysia
(UPM)



DATIN STELLA AMBROSE

Sawit Kinabalu Sdn. Bhd.



DR. JEYANNY VIJAYANATHAN

Forest Research
Institute Malaysia (FRIM)

REGISTRATION FEES

MINDS MEMBERSHIP: *COMPLIMENTARY*

NON-MEMBERS:

STUDENT TICKET - RM20

ORDINARY TICKET - RM50

REGISTRATION DEADLINE: 5 MARCH 2024

**STUDENT MEMBERSHIP - RM50 ENTRANCE FEE
(ONE-OFF) + RM20 MEMBERSHIP FEE = RM70**

**ORDINARY MEMBERSHIP - RM100 ENTRANCE FEE
(ONE-OFF) + RM 50 MEMBERSHIP FEE = RM150**

LIFETIME MEMBERSHIP - RM400



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Contact Us!



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minds.secretariat@gmail.com

PROGRAMME

- 9.00 am - 9.10am** Welcome address by YBhg. Academician Emeritus Prof. Tan Sri Datuk Dr. Augustine S. H. Ong, President, MINDS
- Module I**
Chairperson: YBhg. Datuk Dr. Choo Yuen May, FASc
Vice President, MINDS
Chairperson, Conference Organizing Committee
Chairperson, LadyMINDS Chapter
- 9.10am - 9.25am** Presentation of Outstanding Woman Scientist Lifetime Scientific Research Achievement Award 2024
- 9.25am - 10.00am** **Keynote Address: Innovative Chemical Engineering Solutions for Waste Transformation into Valuable Resources**
Prof. Ir. Dr. Nor Aishah Saidina Amin
Professor and Head of Chemical Reaction Engineering Group (CREG), Faculty of Chemical & Energy Engineering
Universiti Teknologi Malaysia (UTM)
Recipient of Outstanding Woman Scientist Lifetime Research Achievement Award 2024
- 10.00am - 10.20am** **Paper 1: Leveraging Science for a Sustainable Seaweed Aquaculture Industry**
Prof. Dr. Lim Phaik Eem
Director, Institute of Ocean and Earth Sciences, Universiti Malaya (UM)
- 10.20am - 10.40 am** **Paper 2: Exploring the Brain Marvels and the Impact of Brain Research Across Research, Academia, and Community**
Assoc. Prof. Dr. Cheah Pike-See
Head of Department of Human Anatomy, Faculty of Medicine & Health Sciences, Universiti Putra Malaysia (UPM)
- 10.40am - 11.00am** **Paper 3: Innovative Ideas in the Creation of an Inclusive Environment for Engineers in the Oil Palm Milling Operation**
Datin Ir. Stella Ambrose
Head of Processing Engineering & Property Development, Sawit Kinabalu Sdn. Bhd., Sabah
- 11.00am - 11.20am** Q&A Session
- 11.20 am - 11.30am** BREAK
- MODULE ii**
Chairperson: Prof. Ir. Dr. Leong Wai Yie
Vice President, International Network of Women Engineers and Scientists (INWES)
Council Member, MINDS
Council Member, IET
- 11.30am - 11.45am** Presentation of Young Woman Scientist Awards
- 11.45am - 12.05pm** **Paper 4: The Science of Contagion: Innovations for Viral Infectious Disease Control**
Assoc. Prof. Dr. Mariatulqabtiah Abdul Razak
Associate Professor, Department of Cell and Molecular Biology, Universiti Putra Malaysia (UPM)
Co-recipient of Young Woman Scientist Award 2024
- 12.05pm - 12.25pm** **Paper 5: Exploring Oil Palm Biomass: Pathways and Prospects**
Ts. Dr. Nahrul Hayawin Binti Zainal
Group Leader Biomass Processing Technology, Malaysian Palm Oil Board (MPOB)
Co-recipient of Young Woman Scientist Award 2024
- 12.25pm - 12.45pm** **Paper 6: Off the Beaten Trail: My Journey in Tropical Forest Climate Science**
Dr. Jeyanny Vijayanathan
Senior Research Officer, Forest Research Institute Malaysia (FRIM)
- 12.45pm - 1.05pm** Q&A Session
- 1.05pm - 1.15pm** Closing Remarks by YBhg. Datuk Dr. Choo Yuen May, FASc
Vice President, MINDS
Chairperson, Conference Organizing Committee



400 inventors from Malaysian received 26 Gold, 59 Silver, 25 Bronze, and more than 10 Special Awards

A total of 400 inventors from Malaysian received 26 Gold, 59 Silver, 25 Bronze, and more than 10 Special Awards presented by Poland, Hong Kong, Britain, Singapore, Indonesia, Philippines, Egypt and Japan, at the Bangkok International Intellectual Property, Invention, Innovation and Technology Exposition 2024 (IPITex 2024) from 2nd – 7th FEB 2024, at the “Thailand Inventors’ Day 2024”. The Head of Delegation, Prof Dr Leong Wai Yie mentioned that international judges, visitors, and Mr Megat Farez Zuhairin Zakaria from Embassy of Malaysia in Bangkok, Thailand attended the Exhibition and was impressed with Malaysia’s inventions.

IPITex 2024 was hosted by National Research Agency (NRC), Thailand Ministry of Higher Education to promote and support the use of inventions and innovations of international inventors and researchers.

This year’s exhibition featured exhibits on Medicine and Public Health, Medical Technology, Health Products, Modern Agriculture, Environment / Water / Power and Electricity / Green Technology, Building / Construction, Education, Household Items, Robotics, Information,

Communication and Technology (ICT) and Manufacturing Processes. The Malaysian delegation had inspired both national and international inventors and researchers. There were more than 1000 inventions from more than 25 countries with more than 500 presentations.

The event has led to the development of inventions and serve as motivation for nurturing new generations of inventors. Malaysian team has gained an opportunity to exchange knowledge and experience from international inventors during the Thailand Invention Day event 2024.

*Story by Wai Yie Leong, The Institution of Engineers Malaysia
Theme Lead
waiyie@gmail.com*





WOMEN IN ENGINEERING, GHANA CELEBRATES ING DR. MRS. ENYONAM KPEKPENA'S APPOINTMENT AS CHAIR OF THE COMMITTEE ON WOMEN IN ENGINEERING OF THE WORLD FEDERATION OF ENGINEERING ORGANIZATIONS



Accra, Ghana - The Women in Engineering (WinE) a group under the Ghana Institution of Engineering (GhIE) has extended warm congratulations to Ing Dr. Mrs. Enyonam Kpekpena on her prestigious appointment as Chair of the Committee on Women in Engineering (WIE), a standing committee of the World Federation of Engineering Organizations (WFEO) for the term 2024 – 2027.

In an official statement, WinE Ghana expressed their pride and joy, remarking, "We wish to congratulate you on your recent appointments to the Council of the World Federation of Engineering Organizations (WFEO) as Chairperson of the Committee on Women in Engineering. This landmark achievement is a significant milestone for the female engineering community in Ghana.

"We have no doubt that your hard work, dedication, and commitment to duty have paid off. You have indeed made history, branded, and elevated the profile of WinE as an organization committed to promoting and empowering female engineers," the statement continued.

"Ing Dr. Enyonam Kpekpena remains a pacesetter and a role model to all female engineering practitioners in Ghana, Africa, and the world at large. We thank her for her efforts and contributions to making WinE's objectives of empowering females and supporting them to reach leadership positions a reality," the statement added.

WinE Ghana is confident in Ing Dr. Kpekpena's ability to bring her extensive engineering experience and dedication to her new role, which we believe will have a substantial impact.

You have soared higher, broken the glass ceiling, and you remain a role model and a mentor to all females in Science, Technology, Engineering, and Mathematics (STEM). As you take up this special mantle as the Chair of the Committee on Women in Engineering of the World Federation of Engineering Organizations, we wish you the very best and pledge our unflinching support to you as we work together to achieve our strategic objectives at the national and world levels."

Congratulations, Ing Dr. Mrs. Enyonam Kpekpena, WinE is so proud of you. We salute you and say 'Ayekoo,' 'Well Done'.



WOMEN IN ENGINEERING GHANA



About WinE

Women in Engineering (WinE) is a strategic group of interest under the Ghana Institution of Engineering (GhIE) focused on promoting the interests and achievements of female engineers in Ghana. WinE works to empower women in engineering through various initiatives, aiming to support and inspire the next generation of female leaders in STEM fields.

WFEO–WIE Secretariat Team 2024–2027



Ing. Mavis Dede Allotey

*Deputy Project Engineer
Ghana Ports and Harbours Authority
Organizer, WIE-WFEO*



Ing. Felcia Ankrah - Quarm

*Principal Electrical Engineer
Electricity Company of Ghana
Coordinator, WIE-WFEO*



Zipporah K. Amankwah

*Executive Director of Asaase Yaa &
Friends Network
Youth in Engineering Programs
Coordinator, Ghana
Administrator, WIE-WFEO*



Ayisha Osmanu

*Administrative Manager of the Ghana
Institution of Engineering
Deputy Administrator, WIE-WFEO*



W  **E**

The Committee on
Women in Engineering