



CONFIRMED NOMINEES FOR INWES BOARD OF DIRECTORS 2021-2023

Please note that the **affiliation in bold** indicates which INWES member the nominee represents. Other affiliations are indicated in normal text.

1. **AGURI NAKANO**

Japan Network of Women Engineers and Scientists (JNWES), Japan

Professor of Production Electronic Information System Technology,
Okinawa Polytechnic College, Japan



1. *What can I bring to the role of Director?*
2. *What may I may actively contribute to while on the Board?*
3. *Which position/roles on the Board could I perform?*

1 I have a strong professional background as a professor in technical education in STEM areas at the college level and training for job-seeking people. I have been an active member of the Japan Network of Women Engineers and Scientists (JNWES) for seventeen years, and an INWES board member for the last two years and a half. I am fluent in Spanish and English, aside from my native language (Japanese) and have been working abroad in different countries of Asia, Africa, and America continents as a technical expert on behalf of the Japanese government.

2 As a member of the INWES board, I have been working as a Communications committee chairperson. In this position, I have been helping in the continuous publication of INWES Newsletter, coordinating INWES official website and other social media platforms. I proposed a communications strategy adopted in the annual board meeting in 2018. The strategy conceives a coordinated effort among INWES members to broadcast their activities, suggesting the most suitable platform, time, and manner. Also, it is worth noting in the proposed strategy a section was dedicated to proper moral conduct in terms of communication and impact on INWES reputation.

3 I would like to continue as a part of the Communications committee. I found great pleasure in my contribution to INWES Newsletter production. Of course, I am more than willing to give opportunities to other members to enjoy this task and refer myself to other tasks like Education & Research committee or Membership committee.

2. **BATTSENGEL BAATAR**
Women in Science, Technology, Engineering and Mathematics in Mongolia (WSTEM), Mongolia



Rector and Professor of Chemistry of German-Mongolian Institute for Resources and Technology, Mongolia

I would like to be considered as a candidate for the Board of Directors of INWES. I first became aware of your organization when I joined WSTEM in Mongolia, in 2011. Since then, I have been actively engaged in many activities for Mongolian women and girls engaged or interested in STEM fields. As a Board Member since 2011, I helped recruit members, set policies, and served on many committees. Through my work with Mongolian WSTEM, I have come to understand how important it is for women in my position to serve as a role model for young women and girls interested in STEM fields. I became Rector of GMIT after having worked in the higher education sector for almost 20 years. Chair several academic and administrative committees at GMIT, serve as a member of the GMIT Board, and formally advise the Mongolian Ministry of Education. Thus, my experience in science and technology, my educational background, and my academic leadership position would allow me to serve as an effective member of the INWES Board.

I firmly believe in Board-level programming and activities that increase the number of women in STEM decision-making bodies, which amplifies their voices, so that they can be better heard. This also ensures gender equity and benefits future generations of women. Therefore, as an INWES Board Member, I would want to work on ways to encourage women to be present in decision-making bodies, by developing strategies to actively engage them, and increase their awareness of the benefits. I would especially be interested in serving on the INWES Board's Nominations Committee, Regional Networks Committee, or the Special Programs Committee.

3. **BELEN GARCIA**
Individual member of INWES, Spain



Chief Marketing Officer, Blue Ocean Leading Drivers

I have 19 years of experience, mostly in management. I'm one of the founders of Blue Ocean leading drivers (blueoceanld.com) which works with start-ups in the maritime sector, helping them thrive. I'm a certified coach by the European Union and I'm participating as such in the BlueInvest program. I am also the Spanish representative at the Committee on Women in Engineering at the World Federation of Engineering Organizations and on the Committees of Communication and Engineering Talent Promotion, Spanish Institute of Engineering.

I could help expand the organization to Spanish speaking countries.

There are several activities we could do: reports; online webinars (global and local) on how to solve professional issues, promote women's vocations, or how to improve careers... I think a global exchange would be very useful. Also, we have to learn not only what works and what doesn't, so as to decide with more data what to do in our region. If we could make them once a month, it would give us visibility. We also need to give our social networks more visibility (and content) and try to launch campaigns from there.

It would be useful if we could get sponsors not only to finance INWES, but also to offer discounts to our members, for example. We could also establish mentorship programs.

I'd be interested in collaborating in the Communications Committee or in supporting or leading the Industry & Enterprise Committee. I have experience in both areas and both are key in the current situation: we need to communicate what INWES does and promote its members but also, I'm a firm believer that entrepreneurship and industry are the main assets that will help us overcome the current COVID economic crisis

4. **FATOUMATA BALDE**
Association of Women for the Promotion of Science and Technology (AFSTech), Senegal



Renewable Energies Consultant at Vivafrik (Media and Advisory Firm in renewable energies and sustainable development aspects)

Like gender prejudices and stereotypes, the under-representation of women in STEM fields is a deeply serious problem. Teaching science was a trigger to be at the heart of the fight for gender equality.

By integrating AFSTech / Senegal I had the opportunity to carry out concrete actions in my community. Raising awareness among girls by making them aware of their potential to succeed in STEM fields had become a passion.

Being a member of the Board of Directors of INWES would be a real opportunity in this process, for a greater impact. It is a means of acting at the international level to improve the number of girls in scientific disciplines, through their access and retention in this field.

If I am elected Director, I could work for the consolidation of sustainable and inclusive actions for gender equality in STEM. This mission would consist in bringing together the forces around the issues of the gender issue. Despite the socio-cultural differences, the proven universality of the question makes it more complex. Hence the need to work in synergy for a more efficient solution. This will involve disseminating good management practices for the problem, by sharing experiences



between experts from different backgrounds. The strategies developed will serve as a common objective for the effective involvement of girls and women in STEM, for a better world.

My leadership and my willingness to participate in this change will support me in the mission to perpetuate the vision and spirit of INWES throughout the world.

5. **GAIL MATTSON**

Individual member of INWES, United States

Senior ES&H Specialist, Longenecker & Associates, Santa Fe, NM,
USA



Gail Mattson is a registered Professional Engineer, Certified Hazardous Materials Manager and Project Management Professional with over 35 years' experience in environmental engineering, safety, radiological control, project management, business development and corporate relations. She has a BS in Chemistry and Biology, and a MSE in Environmental Engineering. Presently, Ms. Mattson is providing ES&H consulting services through Longenecker & Associates to their clients across the US Department of Energy (USDOE) complex. Previously as an Associate Laboratory Director, she had responsibility over all of the operations of the ES&H Directorate with 130 personnel and \$30M budget at Brookhaven National Laboratory, which is one of the USDOE multipurpose research institutions that operates cutting-edge large-scale facilities for studies in physics, chemistry, biology, medicine, applied science, and a wide range of advanced technologies.

Gail Mattson was a founding Director of INWES in 2002 and served as the Treasurer for 6 years, Chair of ICWES16 for 3 years, VP Conferences for 3 years, and President for 3 years, in addition to serving as Secretary of the INWES Education and Research Institute for 3 years. Originally, she represented the Society of Women Engineers (SWE) of the USA on the INWES Board, and for the past 6 years has represented the American Association for the Advancement of Science (AAAS). In addition, she brings extensive relevant experience in various leadership and board positions with SWE including FY01 National President; and also served on the national board of directors for the Girl Scouts of the USA. Gail will be able to provide important continuity for ongoing improvement efforts in operations for INWES, as well as support the ongoing expansion of the regional networks, recruitment of new members, establishment of new collaborations with other international organizations, and implementation of an updated Strategic Plan for the next three years.

6. **GEORGIA KREMMYDA**
University of Warwick, United Kingdom

Director of Studies Civil and Environmental Engineering, School of Engineering, the University of Warwick



I am Professor in Civil and Environmental Engineering at the School of Engineering, University of Warwick. Within my academic role, I am leading initiatives related to promoting equitable access to education, in Science and Engineering. I am Lead of the Humanitarian Engineering initiative and Co-lead the Warwick Global Research Priority in Sustainable Cities - both aligned to the UN Sustainable Development Goals.

On national level, I am Chair of Advance HE's Athena SWAN Charter review panels for the assessment and evaluation of UK Higher Education Institutions in advancing the careers of women in science, technology, engineering, maths and medicine (STEMM). I am Deputy Chair of Warwick's Institutional Athena SWAN Self-Assessment Team, leading the themes of 'Organisation and culture for inclusivity, diversity and equality' and 'Support to trans people'. I have been Trustee, Council Member and Director of Education in Women's Engineering Society UK for more than 3 years. I have been elected INWES Board Director for the period 2017-2020 and I have served on the Conference Committee as a member. As Chair of ICWES18, I am working closely to the INWES Vice President Conferences and other members of the Executive Committee.

The knowledge, skills and experience to bring to INWES are summarised to my ability to collaborate across education and research to deliver priority outcomes; significant experience of leadership in education; knowledge of current relevant national and international policy developments for improving access, learning, participation and employability in STEMM and appreciation of concepts, policies and principles governing INWES.

7. **HARYOUNG POO**
Korean Women Scientists and Engineers (KWSE), Republic of Korea

Principal Investigator, Korea Research Institute Bioscience and Biotechnology, Korea

Adjunct Professor, Department of Biology, Chungnam National University of Science and Technology, Korea



I have known and been interested at INWES since 2003 when the interim board meeting was held in Daejeon, Korea. At ICWES13 held in Korea, 2005, I have played a role in scientific session committee and been impressed at the power of women scientists and engineers through international networks. Since 2002, I have actively taken a part in KWSE and so far, as past president of KWSE, have paid my sincere attention to support woman scientists and engineers in Korea and



abroad. While attending at INWES APNN meeting every year, I recognized again the importance of gathering our voices and strengthening networks for uplifting the global status of women working in industries, academics, and research institutes. Especially as a president of KWSE, I invited and supported attendance of INWES Europe and ARN for KWSE/APNN international young woman scientist camp. I experienced afresh importance of networking between youth and leader women in STEM.

From 2017 to 2020, as a board member of INWES and a chair of fund development committee, I tried to communicate sincerely INWES members and other partners, and listen carefully to them. By succeeding financial sponsorship of international cooperate for INWES and INWES APNN (2018-2019), I was delightful to support the participants in order to expand their international networks.

As a researcher in biotechnology and a member of KWSE, I would like to involve with INWES activities as a board member for the next three years again because I understand INWES spirit and believe to support women in science and engineering is an inevitable key for a better world.

8. **JUNG SUN KIM**
Dongseo University, Republic of Korea

Executive Vice President and Professor, Division of Health Sciences,
Dongseo University



My first involvement with INWES started in 2003 as a volunteer. INWES has since been an important part of my life. I was elected as director of the board of INWES twice representing Dongseo University, serving as Secretary General (2011-2014) and VP conferences (2017-2020). I have the strong support of Dongseo University where I am Professor at the Health Sciences Division and currently Executive Vice President. I am also an active member of KWSE and served in many positions including the organizing committee Chair of MAPWiST 2019; I initiated the international collaborative survey with APNN. As one of the most active woman scientists involved with gender in STEM activities in Korea, my endeavour was recognized by the Korean government and I was awarded the prestigious Order of Science and Technology medal in 2019. I am eager to join the board of directors of INWES for the next three years in order to continue with, contribute to and participate in the activities to strengthen the international women's network in STEM. I hope to especially contribute to the publication and expansion of the APNN joint international survey report, advocate policy development and further develop education programs for girls in STEM. If possible, I wish to serve in the executive committee and strengthen the Education and Research section by inviting more women in academia and starting joint research projects on women in STEM. I would also like to continue working with the conference organizers of ICWES18 and ICWES19.

9. **KHIN SANDAR TUN**
Women Engineers Chapter, Federation of Myanmar Engineering Societies (Fed.MES-WE), Myanmar



Associate Professor, Department of Electronic Engineering, West Yangon Technological University (WYTU), Myanmar

Since I became a teaching staff of Rangoon Institute of Technology, I have lectured the Electronic Engineering subjects for undergraduate, Master and Ph.D students. In 28 years services, I also supervised and co-supervised many research projects of Master and Ph.D students. I also did many innovative research works, which are beneficial for our country. For contribution, my research work were published in journals and I present them in national and international conferences.

As for Non-profit involvement, I started participation in Myanmar Engineering Society (MES) since it was founded in 1995. Because of my enthusiastic leadership and visions on women engineers, I was voted as the youngest woman Vice President of MES from 2017 up to present. I emphasize my concentration in strengthening of Women Engineers Chapter (Fed.MES-WE) since I took the responsibility to lead Fed.MES-WE as Chairman in 2016. Then I tried it to become the member of INWES in 2018.

In these years, Fed.MES-WE organized seminars, trainings, excursions, donation for needs, honoring events to International Women's Day and International Women in Engineering Day. Fed.MES-WE also cooperated with other international women engineer organizations. I can also organize to hold The First Myanmar Women Engineers Summit in Yangon on 17th January 2020.

I also contributed my service in engineering accreditation and assessment.

I would like to contribute my services for promoting the empowerment and ability of women in engineering, improving wider networking and globalization among women engineers and encouraging the new generation of women engineers and scientists including Myanmar women engineers.

10. **MARY MWANGI**
Association of African Women in Science and Engineering (AWSE), Kenya



Lecturer and Researcher, Department of Biochemistry, Microbiology and Biotechnology, Kenyatta University, Kenya

I am a professional teacher, researcher and dedicated STEM mentor with a passion for the empowerment of women and girls at all levels. I am a founder member of the Association of African



Women in Science and Engineering (AWSE) which has a long affiliation with INWES. I am the current secretary of AWSE and a member of the ARN steering committee. I have participated in ICWES and INWES regional meetings. I also participated in bidding for and organizing INWES regional meetings in 2013 (In Kenya) and 2015 (Uganda). I am also a member of the INWES/ARN steering committee. Therefore, I am familiar with the objectives and activities of INWES.

I have experience and confidence in fundraising, recruitment of members, cross-cultural interactions and events management. I also have skills for implementing programs for women in STEM in, fundraising, Science Communication, Networking, Gender and leadership, mentoring and entrepreneurship. I have a wide network of International organizations involved in these initiatives among them, ISAAA, UNESCO, IDRC, and AWARD. This year I was engaged as an expert peer reviewer for the annual UNESCO Loreal Young Talent program for Women Scientists in Sub-Saharan Africa.

I am also skilled in multidisciplinary research focusing women's empowerment through poverty reduction, food security, Bioenergy and climate change resilience. For this I have won several grants including, NACOSTI Women in STI, NRF Kenya, VIC-Res, LEAP-Agri and EU-ACP. With these attributes, experiences, skills and contacts I feel I shall be able to effectively contribute to the objectives of INWES as a board member.

11. **NADIA GHAZZALI**

Individual and Honorary member of INWES, Canada

President and Full Professor, Department of Mathematics and Computer Science, of Université du Québec à Trois-Rivières, Canada



Nadia Ghazzali is full professor of Statistics in the Department of Mathematics and Computer Science and former president of the Université du Québec à Trois-Rivières (Canada). Nadia obtained a Bachelor's degree in Mathematics, a Master's degree in Mathematics and Engineering, and a Doctorate in Statistics (France). Her research interests include supervised/unsupervised clustering, Neural networks, and Data Science.

Nadia was involved in INWES as General Secretary from 2008 to 2011 and helped set up the INWES MENA Network. She is also very engaged with women in STEM as the NSERC-Industrial Alliance Chair for women in sciences and engineering in Quebec. The Chair's objectives are focused on two main goals: 1) enhancing women's leadership role in science and engineering in the public and private sectors, and actively promoting this role to young women; and, 2) increasing the number of young women in science and engineering education programs, with a view to pursuing careers in either of these fields.

Finally, Nadia was a member of the Hassan II Academy of Science and Technology of Morocco, member of the Expert Panel on Women in University Research of the Council of Canadian Academies, President of the Committee on Women in Statistics of the Statistical Society of Canada

(SSC), recipient of the Highest Distinction of the YWCA-Quebec and of the Trophy of Arabic Women of Quebec in teaching and research. She is currently a member of the national and international juries of L'Oréal-UNESCO for Women in Science and member of the Board of directors of SSC.

12. **NAJLA TRIKI**

**Tunisian Association of Women Engineers and Scientists /
Tunisienne Femmes Ingénieures et Scientifiques (ATFI), Tunisia**

Chief Information Officer / Cooperation and Marketing Officer in the
Telecommunication Research and Studies Center (CERT), Tunisia



I am pleased and extremely motivated to present my candidature to the board of INWES. In this context, I think that INWES can play an important role to enhance the position and conditions of women engineers and scientists, through new ways and methods. If selected, I can bring my experience in the field of information systems in order to make a better use of the digital tools to achieve INWES goals, by identifying initiatives that can be taken and using the digital tools (platforms, services, etc;) in order to realize INWES goals. Moreover, I can bring my experience in terms of project management in order to enhance the quality of the outputs of managed projects. Moreover, I think that I can contribute to INWES activities by:

- Discussing the needs and expectations of women engineers and scientists and proposing diversified actions, initiatives and projects to realize in order to satisfy these expectations;
- Proposing adequate activities and contributing to those aiming at promoting INWES and its role and goals;
- Proposing ways to enhance the presence of INWES in international events and to make INWES closer to women engineers and scientists;
- Encouraging the fruitful exchange of experiences aiming at enhancing the position of women engineers and scientists between different regions, through the conferences organized by INWES; In order to facilitate the implementation of these actions, I would be interested in contributing in one or many of the following committees: 1. Special programs 2. Conferences 3. And communications.

13. **NELLY HAGAN**
Individual member of INWES, Ghana

Lecturer of Physics, University of Education, Winneba, Ghana



I, Nelly Sakyi - Hagan, wish to be nominated for the position of board member of INWES for the period 2021 – 2023. My work as a lecturer of physics has helped me gain valuable skills, values and experiences, which I believe coupled with my own personal characteristics will be of much benefit to INWES if elected as a board member.

My passion for women getting involved in science, and especially training of young girls to become interested in STEM are key attributes that will help shape programs and project INWES to the world. If elected to be on the board, my innovativeness, good communication skills, great leadership skills and ability to mix well with others will be of immense benefit to INWES. These special skills, abilities and traits that I carry are useful in dealing with female organizations, especially, when females are such that you need to carry them along with you on many issues involving science and engineering. Hence, I will help with capacity building, decision making and strategic planning during INWES meetings.

I would like to state that I agree to stand as a board member of directors of INWES for the period, 2021 – 2023. I also state my commitment to INWES and my preparedness to be a board member by emphasizing that, I am willing to attend meetings regularly, adhere to all the ethical code of conduct for directors and perform duties assigned to me at any level of the organization.

14. **SEEMA SINGH**
Women in Science and Engineering (WISE India), India

Professor of Economics, Department of Humanities, Delhi Technological University, India



A Professor of Economics at the Delhi Technological University, I am interested in the issues related to women, in general, and gender in the engineering labour market, in particular. I have enjoyed my association as the Vice President (Education and Research) in the current Board of the INWES (2018-20) and would love to contribute to the best of my capability if given a chance again. Besides contributing to the INWES Newsletter, I wrote a well-reviewed paper with Dr. Sarah Peers entitled, “Where are the women in the Engineering Labour Market? A cross-sectional study”, in the International Journal of Gender, Science and Technology, 11(01), pp 203-231. The journal is indexed at the European Platform for Women Scientists.

I have researched, worked and advocated issues of women engineers at various international and national platforms, supervised for M.Phil. and Ph.D. degrees, and have done a cross-country study between India and Australia with Er. Susan Lee Fenton of Australia. Indian part has been done for WISE-India.

Being from one of the most backwards states of India, Bihar, I migrated to Delhi in 1999 to join the Delhi College of Engineering (In 2009, upgraded to Delhi Technological University). Here, I have been assigned many administrative responsibilities dealing with the welfare of girl students and now, I can better understand them. I have organised many conferences, seminars, workshops and finishing lectures and played a key role in the establishment of DTU chapter of WISE-India. I am also an active member of other organisations having similar objectives.

15. **SHUN LIEN SUNG**

**Society of Taiwan Women in Science and Technology (TWiST),
Taiwan**

President of MICROWORK Co. Ltd. Medicinal Regulatory affairs
Services, Taiwan



- 1. What can I bring to the role of Director?*
- 2. What may I may actively contribute to while on the Board?*
- 3. Which position/roles on the Board could I perform?*

1. S.L. Sung has rich NGO administrative experience, optimistic characteristics, communication and project management skills.

2. INWES has clear goals under the leading of previous presidents and directors efforts. Even though, activating and implementing those goals should be enhanced even more. Since INWES is a satellite organization of UN, UNESCO and CWS concerned issues shall be advocated often. INWES will be much more visible then. Regarding finance management, it needs continuously strengthening the transparency on travel fund, membership fees and other expenses/donations.

3. APNN is preferred. I would like to join Treasurer for Asia Pacific region related issues.

16. **SYLVIA KEGEL**
**German Association of Women Engineers / deutscher
ingenieurinnenbund (dib), Germany**



Founder and Managing director of several SMEs in Oil & Gas

Sylvia Kegel holds a degree in Electrical & Telecommunication engineering with 18 years of experience in Service, Project Management, Sales for Global Telecommunication Providers worldwide, 11 years as an expat mainly in eastern Europe and Asia. She is a certified Senior International Project Manager.

Since 2006 she has founded and helped expand European companies and joint ventures in the field of Oil & Gas valves, automation technology and technical services.

Sylvia was first involved with INWES as a member of the supporting dib team for ICWES14 in Lille, France. In 2016, she was the Chair of the Regional Conference Europe in Freising /Munich, Germany, chairs the Regional Network Europe since then. She has been elected to the board in 2017 and serves as the current INWES treasurer. She is also current Treasurer of dib.

Sylvia brings extensive experience in various board and leadership positions in international industry as well as national volunteer organizations. She will aim to ensure continuity for ongoing improvement efforts in operations and ensure financial stability for INWES, the establishment of new collaborations with globally acting supporters in Industry and Economy and keep a focus on a digital transformation of INWES process, collaboration and tooling. Full and effective participation of women and girls has become a strong focus on digital, and this is not just since the pandemic.

17. **SYLVIA ORTEGA**
Ayni Bolivia, Bolivia and The Netherlands



Project Advisor at Wilde Ganzen Foundation, the Netherlands

INWES embodies my dream: Empowering girls to be future technology leaders. To develop a network in Latin America is my next dream. As a Board member at INWES, I want to close the gender gap in technology for young women in Latin America, because I have the experience to continue doing it. After organizing programs where female teachers act as role models, where girls dare to repair computers, I know the way. After having visited hundred of schools in countries like, Haiti, Brazil, Surinam, Mexico, Bolivia, Indonesia, Bangladesh, Nepal, The Philippines and Cambodia among others, I know the way!

We can help girls empower themselves through education online. We can tap into their natural curiosity about the world around them, and organize activities that emphasize hands-on inquiry-based exploration that help girls develop problem-solving and critical thinking skills, STEM.

I would like to reinforce the regional network of INWES partners in South America! I am very interested in being part of committees such as IT & Education and youth employability. After COVID-19, we all want or feel the need to start a hub, to develop the skills of the communities around us. We are running a small pilot to provide training and employment for girls who are not able to pay university studies and have to find an occupation. In the sixties we needed employees who knew how to type, what we need now is staff who is capable to use IT effectively. I would like to use my expertise in organizing projects and actions for “underrepresented” communities. Let’s organize us to do it together!

18. **WAI YIE LEONG**
IET Industry Revolution Association, Malaysia

Dean, Faculty of Engineering, MAHSA University, Malaysia



Leong has been actively involving in The Institution of Engineering and Technology (IET), World Federation of Engineering Organisation (WFEO), United Nation and UNESCO, she has strong leadership skills, networks and collaborations to strengthen the capacity through education and professional development thus encouraging the participation of women STEM worldwide. She has experience in NGOs, oversees fund raising operations, leadership and management.

She has been actively increasing the presence of women in mainstream STEM. With strong linkages with government, industry and NGOs, she has a responsible voice on scientific issues for the benefit of society and the environment. She is able to expand opportunities for education through INWES and the members’ entities and resources, such as the INWES Educational and Research Institutes.

Leong would like to perform the role of Vice President of External Relations to build and maintain a positive public image for INWES. She could increase awareness of INWES’s brand. She could be an important INWES Ambassador to all the international organisations. Leong is active in international research and collaborations. With her networks and research profile, she could lead the Education and Research, to enhance research profile on INWES to the universities. She could represent INWES on occasions involving communication or interaction with other organisations, governments or other similar entities, and support and participate in the mentoring activities. Leong would support and coordinate regional networks and support other Executive Board Members in relation to managing communications, finances, memberships and other links to INWES partners, particularly in relation to regional networks.