



International Network of Women
Engineers and Scientists



**First Webinar of INWES Asia Pacific
Nations Network
Saturday 07 May 2022, 3:00 am – 4:40 AM
UTC via Zoom**

Reimagining a STEM Research Culture: Lessons Learnt from 20 years of Evolution for Inclusive Representation in Science and Engineering



REIMAGINING A STEM RESEARCH CULTURE



AGENDA

TIME	Duration	TITLE	Speakers
11:00-11:05	5 min	Welcome and introductions of speakers	Dr. Ariunbolor Purvee, APNN Chair
11:05-11:10	5 min	Introduction to the project	Dr. Jung Sun Kim, President of INWES
11:10-11:30	20 min	MyRA: Performance Indicators for the Advancement and Evolution of Malaysian STEM Research – A More Inclusive Approach	Dr. Leong Wai Yie, Board member of INWES
11:30-11:50	20 min	Enhancing Research Culture in STEM Tertiary Education in India	Dr. Seema Singh, Board member of INWES
11:50-12:10	20 min	Overcoming the wall of "unconscious bias"	Dr. Ryo Kimura, Chair of JNWES
12:10-12:27	17 min	Discussions	All speakers
12:27-12:30	3 min	Closing remarks	Dr. Ariunbolor Purvee, APNN Chair
Content Here	90 min	Three topics	Three invited speakers



Brief Introduction

Professor Jung Sun Kim is the current President of INWES. She has been Executive Vice President of Dongseo University since 2019 and has held various leadership positions in academic, government committees, and non-governmental organizations. She has a Ph.D. in medical chemistry and published over 50 papers in international peer-reviewed journals

Her current work focuses on academic administration and policy research on women in STEM including an international collaborative survey among APNN members on the gender barrier in STEM which was led by KWSE. In 2019, she was conferred the Order of Science and Technology (Woongbi Medal) by the Korean government..



Topic

MyRA: Performance Indicators for the Advancement and Evolution of Malaysian STEM Research – A More Inclusive Approach

Brief Introduction

Leong Wai Yie received her Ph.D in Electrical Engineering (Hons I) from The University of Queensland (UQ), Brisbane, Australia in 2005. Leong is the Director of Research Excellence at Perdana University. Wai Yie is currently the Immediate Past Chairperson of The Institution of Engineering and Technology (Malaysia Local Network), the Vice President of the Institution of Engineers Malaysia, Vice President of International Network of Women Engineers and Scientists, and Committee Member of World Federation of Engineering Organization (Women in Engineering Committee). She specializes in medical signal processing and telecommunications research. She has been researching on IR4.0, wireless sensor networks, ultra-wideband and wireless communications, and on Brain Signal Processing for signal conditioning and classification in various EEG-based mental tasks.



REIMAGINING A STEM RESEARCH CULTURE



Topic

Enhancing Research Culture in STEM Tertiary Education in India

Brief Introduction

Dr. Seema Singh is Professor of Economics at Delhi Technological University and has Headed the Dept of Humanities between August 2006 to December 2017.

Largely, interested in issues related to Gender, Engineering Education and Labor Market, she has published and presented a number of papers and has also authored many books.

She has also supervised scholars for PhD and Post-Doctoral Fellowship and completed successfully several research projects sponsored by national and international organizations.

She is a Board Member for South Asia of the International Network of Women Engineers and Scientists (INWES) and Joint Secretary of the Indian Society of Labor Economics. She is also a member of the Editorial Board and Paper Reviewer for many Journals.



Topic

Overcoming the wall of "unconscious bias"

Brief Introduction

Ryo Kimura is a women engineer with only 1.7% in Japan, and also works in rural environment planning, architectural design, landscaping and park design. She has been an engineer for over 40 years. Since 2019, she has been teaching design as a lecturer at Tokyo University of Agriculture and Technology and has been teaching career development classes at Kanagawa Institute of Technology. She has written several technical books. She was President of JSPEW from 2012 to 2018. She is currently the President of JNWES since 2018.



International Network of Women
Engineers and Scientists



Discussion | Speakers

Reimagining a STEM
Lessons Learnt from 20 years
Representation in S



Ms. Ryo Kimura

Topic: Overcoming the wall of "unconscious bias"



Dr. Seema Singh

Topic: Enhancing Research Culture in STEM Tertiary Education in India



Dr. Leong Wai Yie

Topic: MyRA: Performance Indicators for the Advancement and Evolution of Malaysian STEM Research – A More Inclusive Approach

Discussions | Questions

To Prof. Wai Yie Leong:

STEM development and women involvement is very positive and improving year by year in your country. You may have many good policy and support from Government. How many % of state budget is allocated for Research?





International Network of Women
Engineers and Scientists



Discussion | Speakers

Reimagining a STEM
Lessons Learnt from 20 years
Representation in STEM



Ms. Ryo Kimura

Topic: Overcoming the wall of "unconscious bias"



Dr. Seema Singh

Topic: Enhancing Research Culture in STEM Tertiary Education in India



Dr. Leong Wai Yie

Topic: MyRA: Performance Indicators for the Advancement and Evolution of Malaysian STEM Research – A More Inclusive Approach



REIMAGINING A STEM RESEARCH CULTURE



INWES global

<https://www.youtube.com/watch?v=7YJ338JD5Cs&t=609s>

<https://www.youtube.com/watch?v=ZsVK8sbHtbQ>



REIMAGINING A STEM RESEARCH CULTURE



Acknowledgements

A big thank you to

- The three speakers
- Project teams of University of Warwick and INWES
- President of INWES
- INWES Conference, IT and Communication Teams
- Administrative support



REIMAGINING A STEM RESEARCH CULTURE



Thank you for your attention

