

Day One: 28 August 2019

8:00–8:30	ARRIVALS, Coffee/Tea
8:30–8:35	<i>Bringing the Gender Summit-Asia Pacific platform to Singapore</i> Dr Vandana RAMACHANDRAN, Director, Research Affairs & Administration, Singapore Eye Research Institute Dr Lakshmi RAMACHANDRAN, Programme Manager, Cancer ImmunoTherapy Imaging, Duke-NUS Medical School
8:35–8:40	<i>Why are we here: Transforming gender issues into opportunities</i> Dr Elizabeth POLLITZER, Director, Portia
8:45–9:05	<i>Keynote 1: Guest of Honour</i> Meeting societal challenges by creating a diverse research and innovation environment Speaker: Ms CHAN Lai Fung, Chairman Agency for Science Technology and Research (A*STAR), and Permanent Secretary National Research and Development
9:05–9:25	<i>Keynote 2</i> Digitalisation of societies and economies for a fairer and more sustainable future Prof Subra SURESH President, Nanyang Technological University
9:25–10:45	<i>Plenary Panel 1</i> Strategies to maximise impact of gender equality policy programmes in science, and beyond This session will discuss recent and emerging policy efforts to improve gender balance and diversity in science participation and decision making, as well as promoting gender sensitive research for greater societal relevance. The contexts are: international cooperation on STI for tackling global societal challenges; open and inclusive innovation; developing and connecting scientific talent; and creating multi-stakeholder and multilateral collaborations. Chair: Prof Zee UPTON, Executive Director, Institute of Medical Biology, Agency for Science, Technology and Research (A*STAR) and Research Leader in Skin Integrity, Repair & Regeneration Theme at the Skin Research Institute of Singapore (SRIS) • EU gender policy priorities in STI and in cooperation dialogues with Asian countries. Ms Barbara PLINKERT, Ambassador and Head of Delegation of the European Union to Singapore • Connecting science to Humanity. Mr Thierry ZOMAHOUN, President and CEO of AIMS and Chair of the NEF, Rwanda • Strengthening the integration of the principles of equity, diversity and inclusion in scientific assessment. Prof Janice L. BAILEY, Scientific Director of the Fonds de Recherche Nature Et Technologies Quebec (FRQNT), Canada • Comprehensive, nationwide support to strengthen and advance women in STEM in Korea, Prof Hyeyeon AHN, President, Centre for Women in Science, Engineering and Technology (WISER), South Korea
10:45–11:00	BREAK – refreshments, poster exhibition, networking
11:00–11:20	<i>Plenary Keynote 3</i> The ‘disruptive’ innovation power of new science institutions: transforming the status quo Prof Curt RICE, President, Oslo Metropolitan University and Head of Norway’s Committee on Gender Balance and Diversity in Research, Norway
11:20–12:50	<i>Plenary Panel 2</i> STI interinstitutional and international cooperation relationships as mechanisms for implementing shared gender equality policy objectives This session will discuss successful, and still needed, national and international policy intervention measures and best practices to improve the conditions enabling women to more fully and more effectively participate in, and benefit from, science research and innovation. Topics include: role of research funders; making impact through multilateral actions; internationalisation of scientific workforce; digitalisation of science and society. Chair: Rita BISSOONAUTH, Head of the African Union International Centre for Girls and Women’s Education in Africa (AU/CIEFFA), Burkina Faso • Integration of Gender Equality Policy in Research Funding. Dr Sonja OCHSENFELD-REPP Head of Division Equal Opportunities, Research Integrity and Cross-Programme Development, DFG, Germany

11:20–12:50	• Biotechnology career advancement and reorientation for women scientists. Dr Suraksha S. DIWAN, Scientist, Department of biotechnology, Ministry of Science and Technology, India. • Global Young Academy: advancing leadership of women scientists. Dr Marian A. NKANSAH Faculty member at Department of Chemistry, Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, Ghana • Trajectory: A framework for increasing women leaders in STEM, Prof Linley LORD Pro-Vice Chancellor, Curtin Singapore
12:50–13:45	LUNCH, networking, poster exhibition
13:45–14:15	Plenary Keynote 4 Gender perspective on vaccine design and delivery: how understanding basic biology of sex differences can improve public health response to infectious diseases Prof Sabra L. KLEIN Principal Investigator Vaccine Initiative, Johns Hopkins University, and President of the Organization for the Study of Sex Differences, USA
14:15–15:45	Plenary Panel 3 Sex, gender, and diversity as dimensions of quality in health research and outcomes This session will present new scientific understanding of when, why and how biological (sex) and socio-cultural (gender) factors influence health research results and differentiate quality of outcomes for women and men. Topics will include: integrating sex/gender as research variables; representing and assessing biological diversity in human diseases; nutritional genomics and food security; gender sensitive medical diagnostics. Chair: Dr Kanwaljit SOIN, Consultant orthopaedic and hand surgeon at Mount Elizabeth Hospital, Singapore • Why sex and gender matter in implementation science and practice. Prof Cara TANNENBAUM, Professor in the Faculties of Medicine and Pharmacy at the Université de Montréal, and Scientific Director, Institute of Gender and Health, Canadian Institutes of Health Research, Ottawa, Canada • Enforcing the relevance of gender dimension in biological research. Dr Fabiano SANTOS, Senior Program Specialist, International Development Research Centre (IDRC), Canada • Applying the sex/gender perspective to nutritional genomics. Prof Mikyung SUNG, Professor at the Department of Food and Nutrition and Vice President of Sookmyung Women's University, South Korea • DNA forensics and human rights. Dr Maria CORAZON ABOGADO de UNGRIA, University Researcher, Head of the DNA Analysis Laboratory of the Natural Sciences Research Institute, University of the Philippines • Improving accuracy of calculating food consumption for assessment of absolute nutrient intake, Prof Hee Young PAIK, Professor Emeritus at Seoul National University; Director, Centre for Gendered Innovations in Science and Technology Research (GISTeR); and Korea Federation of Women's Science and Technology Associations(KOFWST) in Korea
15:45–16:00	BREAK – Refreshments
16:00–17:20	Plenary Panel 4 Equitable Technological Future: Women scientists in Asia-Pacific at the forefront of technological transformation for sustainable future This session introduces leading women scientists from across the Asia Pacific region who are driving future-changing research and innovation to produce essential building blocks for sustainable technological solutions to global challenges. Chair: Dr Reshmi RAJENDRAN, Director, Precision Nutrition D-lab, Danone, Singapore • Biosensors for water quality monitoring. Dr Wan Waradatul AMANI WAN SALIM Assistant Professor, International Islamic University, Malaysia • Edible Food packaging from sea weed. Dr Noryawati MULYONO, Head of Food Technology Department at Atma Jaya Catholic University of Indonesia, past Vice Dean for Finance, Collaboration at the University; and award winning inventor and entrepreneur in food technology, Indonesia • The disappearing insects: Why we must care. Prof Damayanti BUCHORI, Head of Entomology and Biological Control Department of Plant Protection, Faculty of Agriculture, IPB Bogor Agricultural University, and Head of Center for Transdisciplinary and Sustainability Sciences (CTSS), Indonesia • A gender perspective on the vulnerability of coral to climate change effects. Wirulda POOTAKHAM, Researcher, National Center for Genetic Engineering and Biotechnology (BIOTEC), Thailand
17:20	End of Day One

Day Two: 29 August 2019

8:00–8:30	ARRIVALS, Coffee/Tea
9:00–9:20	Plenary; Keynote 5 Science for sustainable society and well-being for all Dr Michinari HAMAGUCHI, President, Japan Science and Technology Agency
9:20–10:15	Plenary Panel 5 Women in STEM leadership, and as career role models This session is a conversation between excellent women scientists and research leaders who are creating new relationships between society and scientific and technological advances for a better and more sustainable future. Chair: Prof Curt RICE, President, Oslo Metropolitan University and Head of Norway's Committee on Gender Balance and Diversity in Research, Norway. • Dr Toni MOATE, Director National Collections and Marine Infrastructure, Australia • Dr Miyoko O. WATANABE, Deputy Executive Director, Director-General of Centre for Science Communication, and also Director of Office for Diversity and Inclusion. Japan Science and Technology Agency. • Zee UPTON, Executive Director, Institute of Medical Biology, Agency for Science, Technology and Research (A*STAR); Research leader in Skin Integrity, Repair & Regeneration Theme, Skin Research Institute of Singapore (SRIS)
10:15–10:30	BREAK: refreshments, networking, posters
10:30–12:00	Plenary Panel 6 New practical approaches and mechanisms to advance systematic progress towards gender quality in STI This session will focus on the opportunities, approaches and mechanisms to implement gender equality policies in STI. The context will be the resources and practices already developed, those that are on the way or are emerging as a result of fresh policy aspirations, commitments, and agendas. The context are: scientific publishing; evidence based guidelines; national and global policy challenges; consensus for systemic change. Chair: Tazeen JAFAR, Professor, Health Services & Systems Research Programme, Dukes NUS Singapore and Agha Khan University • Women in STEM programme at the African Institute for Mathematical Sciences. Rosita YOCGO, Network Manager, African Institute for Mathematical Sciences (AIMS) Next Einstein Initiative, Rwanda • Advancing the culture of gendered innovation research. Prof Heisook LEE, Senior Scientist, Center for Gendered Innovations in Science and Technology Research (GISTeR), South Korea • Gender perspective on social, political, and legal consequences of climate change impacts. Ms Tayanah O'DONNELL, Director, Future Earth Programme at the Australian Academy of Science and Honorary Lecturer at the Climate Change Institute, Fenner School for Environment and Society at the Australian National University, Australia • Analytics and gender in the global research collaboration landscape. Ms Sarah HUGGETT, Head of Analytical Services, Elsevier Singapore • Empowering women in Engineering in Japan. Prof Kaori TSUKAZAKI, Faculty Member and former Vice President of National Institute of Technology, Kagoshima College, Japan
12:00–13:00	LUNCH - networking
13:00–14:30	Plenary Session 7 Creating inclusive and supportive academic cultures through impactful gender equality interventions This session examines gender and diversity issues in the working conditions of researchers. Topics include role of science academies; how to close gaps between scientists and decision makers; barriers to the advancement of women in STEM leadership in developing countries; advancing best practice for research funders in a global STI landscape. Chair: Dr Sonja OCHSENFELD-REPP, Head of Division Equal Opportunities, Research Integrity and Cross-Programme Development, German Research Council (DFG), Germany • Science academies as a nexus for gendered research and innovation policy agendas: A case from the Academy of Science of South Africa. Mr Stanley MAPHOSA, Head of International Affairs, Academy of Sciences of South Africa • Our lived gender realities: improving policy and institutional response in Malaysia. Prof Noraida ENDUT, Faculty Member and Director at the Centre for Research on Women and Gender, Universiti Sains Malaysia • Overcoming obstacles for women to succeed. Ms Kerry ELLIOT – Head of CSIRO SAGE (Science & Gender Equality) PROGRAM, Australia • Navigating scientific careers in mobility-expecting (research) cultures. Dr Debalina DUTTA, Senior Lecturer, Massey Business School, New Zealand • Exploring gendered patterns in undergraduate physics enrolment using Bourdieusian analysis. Prof Frederique VANHOLSBEECK, Faculty member and Chair of the Equity Committee at the Department of Physics; Associate Dean for Diversity and Inclusivity for the Faculty of Science, the University of Auckland, New Zealand
14:30–15:00	Break, refreshments, networking, posters

Parallel Session 1

15:00–16:15

Needs and opportunities to advance research capacity in developing countries through gender equality interventions

This session will report on policies for gender equality and intervention measures to support women's advancement in particular in science and society.

Chair: Elizabeth **POLLITZER**

- Policy models to advance structural change for gender equality in STEM: the case of USA, Europe and selected countries in South East Asia. Dr Elizabeth **POLLITZER**, Director, Portia, UK
- Pathways to success. Dr Roseanne DIAB, Director, GenderInSITE, South Africa
- The fragile progress towards gender equality in Myanmar. Dr Aye Lei **TUN**, Gender Program Manager, Enlightened Myanmar Research Foundation (EMReF), Myanmar
- Global action by research funders to progress women in science. Ms Thilinkumari **KANDANAMULLA**, Scientific Officer, National Science Foundation (NSF), Sri Lanka, Member of the Global Research Council Gender Working Group, Sri Lanka
- Why the 'leak' persists in STEM, Prof Merlyne M. **PAUNLAGUI**, Faculty Member and Director of the Centre for Strategic Planning and Policy Studies, University of Philippines

Parallel Session 2

15:00–16:15

Gender and AI: developing and deploying talent - fairly and effectively

This session will focus on the potential of AI to improve the processes and practices used by universities and industry to develop and deploy talent, for instance by helping to create and deliver more flexible and dynamic curriculum and training methods that can respond to changing techno-socio-economic conditions, transforming working methods and workplaces, future-proofing career pathways, enabling women and men to continue developing professionally but also have time to enjoy life.

Chair: Dr Anders **KARLSSON**, Elsevier

- Prof Stefan **WINKLER**, Senior Deputy Director, AI Singapore and Associate Professor, National University Singapore
- Ms Min **CHEN**, VP and CTO, LexisNexis, Singapore
- Ms Ylann **SCHEMM**, Director, Elsevier Foundation, Netherlands
- Mr Siddarth **SOMASUNDRHN**, Director XOPA, Singapore

Transfer to Plenary room

16:30–17:00

Plenary Panel 8

Creating BRIDGE to Equitable and Sustainable Future in Asia Pacific
The purpose of this session is to set up the context and direction of future GS-AP events building on GS6-AP in Seoul, GS10-AP in Tokyo and GS16-AP in Singapore. BRIDGE stands for Better Research and Innovation through Gender Equality. It means that 1) Gender equality is an essential determinant of societal sustainability and wellbeing and affects how science, technology and innovation can improve people's lives, 2) Gender equality should be integrated into the implementation of all 17 SDGs, and 3) Gender equality in the context of SDG targets must recognize the influence of human and societal diversities.

Chair: Dr Elizabeth **POLLITZER**, Director, Portia, UK

- Gender implications for the future of work, Ms Brigid **TRENERRY**, Research Fellow at the Lee Kuan Yew Centre for Innovative Cities, Singapore University of Technology and Design
- Gender implications for SDGs, Dr Miyoko O. **WATANABE**, Deputy Executive Director, Japan Science and Technology Agency; Director-General of Centre for Science Communication; and Director of Office for Diversity and Inclusion.
- Gender implications for research, Prof Hee Young **PAIK**, Director Centre for Gendered Innovations in Science and Technology Research (GISTeR), Korea

Parallel Session 3

15:00–16:15

Perceptions and indicators of gender equality in academic careers and institutions

This session reports on recent studies of factors influencing career decisions and progress in university scientific environments

Chair: Ms Misha **BAUDISCH-MCCABE**, Manager, African Institute for Mathematical Sciences, Rwanda

- How university professors perceive institutions, climate: the case of Taiwan, Prof Yen-Wen **PENG**, Faculty Members National Sun Yat-sen University, and Executive Board Member of the National Alliance of Taiwan Women's Associations and of the Kaohsiung Women Awakening Association, Taiwan
- Should I stay or should I go? Factors influencing career decisions of female healthcare professional in Singapore, Ms Clarissa **TOH**, Research Assistant, Family Medicine and Care, Nanyang Technological University, Singapore
- Parents' perceptions of science and scientists in Japan, Prof Ginko **KAWANO**, Faculty Member Yamagata University; Special Advisor to the Executive Director and Vice-President on promoting gender equality; Member of the Science Council of Japan; and a Director of the International Society for Gender Studies, Japan
- Tracking gender responsiveness of agricultural research, Dr Brenda **BOONABANA**, Lecturer, Makerere University and Fellow of the African Women in Agricultural Research and Development (AWARD), Uganda

Transfer to Plenary room

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17:00–17:30

Presentation of Gender Summit Trophy and the Launch of the Coalitions of Women in Science groups

Prof Zee **UPTON**, Executive Director, Institute of Medical Biology, Agency for Science, Technology and Research (A*STAR); Research leader in Skin Integrity, Repair & Regeneration Theme, Skin Research Institute of Singapore (SRIS)

17:30

End of Day Two