

WORLD CHEMISTRY LEADERSHIP MEETING 2021 (MALAYSIA PROGRAMME)

Speakers Biographies & Photos



MAYUMI NISHIDA

**Hokkaido University, Institute for Catalysis,
Research and Development Division and National Institute of Advanced Industrial Science and
Technology (AIST), Interdisciplinary Research Center for Catalytic Chemistry, Japan**

Prof. Nishida has been a professor of Hokkaido University since 2014 and a cross-appointment fellow of AIST since 2015. She started her career in academia in 1979 after graduating from Tsukuba University. During working for 20 years in academia, she received Ph.D. from Hokkaido University in 1992 and changed her career to industry in 1998. She had been involved in new technology/business development related to metallocene catalysts at Koei Chemical Company, Ltd., which is a subsidiary of SUMITOMO CHEMICAL COMPANY, LIMITED, for 15 years and came back to academia in 2014 as a professor of Hokkaido university. Her mission is to work for industry-academia collaboration. She was appointed as an outside director (audit & supervisory committee members) of RAIZNEXT Corporation in 2020.



MAZLIN MOKHTAR

Institute for Environment and Development (LESTARI), Universiti Kebangsaan Malaysia, Malaysia

Mazlin Bin Mokhtar, BSc (Tasmania), PhD (Queensland) is a Professor of Environmental Chemistry at Universiti Kebangsaan Malaysia. He is currently a Director of the Institute for Environment and Development (LESTARI) at UKM since August 2005 - 15 January 2014; and again since 1 March 2019-28 February 2022. In 2018 the Honorable Minister of MESTECC (Ministry of Energy, Science & Technology, Environment, and Climate Change) appointed Prof Mazlin as Chairman of Evaluation Committee of Lynas rare earth operations in Malaysia. In 2019 Prof Mazlin was appointed by the Honorable Minister of KATS as Deputy Chairman of a special Committee to develop SOP for Bauxite Mining and Exportation. He was a member of the National Steering Committee of the UNDP GEF Small Grants Programme 2000-2018 (longest serving member); esteemed Nomination Committee Member of the prestigious Merdeka Awards Malaysia (Environment Category) of 2015-2017 & 2020-2022; Advisory Committee of the National River Care Fund, Member of WWF Malaysia's Board of Trustees 2014-2018; and currently Chairman of Sub Sector on Advocacy, Awareness, Capacity Building & Public Participatory Platforms (AACB+PPP) of the National Water Sector Transformation 2040 Study sponsored by the Economic Planning Unit (EPU) of Prime Minister's Department & Academy of Sciences Malaysia (ASM).



MEI-HUNG CHIU

National Taiwan Normal University, Graduate Institute of Science Education, Taiwan

Dr. Mei-Hung Chiu is a Distinguished Professor at the Graduate Institute of Science Education, National Taiwan Normal University. Dr. Chiu was the Chair of Committee on Chemistry Education (2012-15) and is an elected member of the Bureau and Executive Committee of IUPAC since 2016. She published over 100 articles on conceptual understanding of scientific phenomenon, modeling-based competence, facial recognition system and augmented reality in science education, in international and national well-known journals. Dr. Chiu was a recipient of the Distinguished Contribution to Chemical Education Award from the Federation of Asian Chemical Societies in 2009, the Distinguished Contribution to Science Education Award from Eastern-Asian Science Education Association in 2016, and the Distinguished Woman in Chemistry or Chemical Engineering from IUPAC in 2021. She was elected as the President of the National Association for Research in Science Teaching (2016-2017) based in the USA, the first president from a non-English speaking country.



CHULHEE KIM

Department of Polymer Science and Engineering, Inha University, South Korea

Chulhee Kim is a Professor of Polymer Science and Engineering at Inha University. He obtained a BS in Chemistry from Seoul National University, and an MS from Korea Advanced Institute of Science and Technology (KAIST). After working at the Korea Institute of Science and Technology (KIST), he obtained a PhD at The Pennsylvania State University. After two years working at AT&T Bell Labs, Murray Hill, in 1992 he returned to the KIST as a senior researcher. From 1993 he started his academic career at Inha University. He was the recipient of the Samsung Academic Award from the Polymer Society of Korea in 2009. He served as the Editor-in-Chief for Macromolecular Research in 2011-2013. He also served as the President of Polymer Society of Korea in 2018. He currently is a member of Korean Academy of Science and Technology.



DAVID WINKLER

**School of Biochemistry and Genetics, La Trobe Institute for Molecular Science,
La Trobe University, Bundoora, Australia**

Dave is a Professor of Biochemistry & Genetics at La Trobe Institute for Molecular Science at La Trobe University, a visiting Professor in Pharmacy at the University of Nottingham, and a Fellow at CSIRO Data61. He previously spent >30 years at CSIRO researching the application of computational chemistry, AI, and machine learning methods to the design of drugs, agrochemicals, nanomaterials and biomaterials. He has authored over 250 refereed journal articles and book chapters, has an H index of 50, and is an inventor on 25 patents. He has won several prestigious awards including the CSIRO Medal for Business Excellence, RACI's Adrien Albert award for contributions to medicinal chemistry, and ACS Herman Skolnik award for excellence in cheminformatics. He is ranked 227th out of 81,000 medicinal chemists, and 999th out of 520,000 chemists worldwide (Mendeley 2019). He is past President of the Federation of Asian Chemical Societies (FACS) and the Asian Federation for Medicinal Chemistry (AFMC)



LUHUA LAI

College of Chemistry and Molecular Engineering, Peking University, China

Prof. Luhua Lai is a professor in the College of Chemistry and Molecular Engineering, Peking University. She serves as associated editor for PLoS Computational Biology (2005-2013), Journal of Medicinal Chemistry, and Quantitative Biology. Professor Lai's group works on deciphering the basic laws governing protein sequence, structure and function relationship. They develop computational methods and programs, and use them to study biomolecules and systems of interest together with experimental approaches. The current research areas of Professor Lai's group include: (I) Systems based drug design with focus on metabolism and control. (II) Structural based drug design, method development and applications. Some of the programs they developed, like the de novo drug design program LigBuilder are widely used worldwide. (III) AI in cheminformatics and drug discovery. (IV) Functional protein design.