



Dr. Priyantha D C Wijayatunga

Director
South Asia Energy Division
Asian Development Bank

Dr. Priyantha D C Wijayatunga holds a degree in Electrical Engineering from Sri Lanka and a PhD in Power Economics from Imperial College London where he was a Beit Scientific Research Fellow. He joined the Asian Development Bank in 2008 and currently the Director, South Asia Energy Division. He has contributed extensively in energy sector policy and regulatory activities over 25 years and has co-authored over 75 publications. He was the founder Director General of the Public Utilities Commission of Sri Lanka and was a lead author of the Sri Lanka Energy Policies and Strategies and the Sri Lanka Initial National Communication on Climate Change. He served as a Senior Professor of Electrical Engineering and the Chairman of South Asia Forum for Infrastructure Regulation. He is a Member of Institute of Engineering Technology (IET), London, a Fellow of the Institution of Engineers Sri Lanka. He is also a Senior Member of the Institution of Electrical and Electronic Engineers (IIEEE).



Dr. Peter Warren

Head of Climate Finance for Innovation
Department for Business, Energy & Industrial Strategy
UK Government

Peter Warren is head of climate finance for innovation in the UK Government's Department for Business, Energy & Industrial Strategy (BEIS). He manages the UK's climate finance investments (Official Development Assistance) and international policy across various areas of clean energy innovation. He previously led the former UK Government Department of Energy and Climate Change (DECC)'s evidence needs and analysis on smart energy. Peter previously worked in the International Energy Agency (IEA)'s energy efficiency in emerging economies team and worked as a Sustainability Manager in industry. Peter holds a PhD in energy policy from University College London (UCL), two multidisciplinary MSc degrees, a PgC and a BSc all in the energy and climate field. Peter is a Chartered Environmentalist (CEnv) and is a part-time Lecturer in energy and climate policy at UCL (since 2013).



Kazuo Fueta

Deputy Director, Global Environmental Affairs Office,
Industrial Science and Technology Policy and Environment Bureau,
Ministry of Economy, Trade and Industry (METI)

Kazuo Fueta has been appointed as Deputy Director of Global Environmental Affairs Office in METI since May 2019. Mr. Fueta has specialized in technology transfer during his extensive career in government and national institute.

Previously, at the Regional Innovative Industry Strategy Office of METI, he formulated policy on industrial clusters, regional resources, and comprehensive economic zones. He also led general management and global / domestic cooperation at the National Institute of Advanced Industrial Science and Technology (AIST). For instance, he planned the strategy for next interim period (for five years) in a cross-functional team, analyzed mechanism for effective venture startups, and negotiated comprehensive agreements and new research projects with foreign / domestic organizations.

He received his Master of International Public Policy and Management from Sol Price School of Public Policy, University of Southern California.



Zhang Xiliang, Ph.D.

Professor of Management Science and Engineering
Director, Institute of Energy, Environment, and Economy
Tsinghua University

Dr. Zhang Xiliang is Professor of Management Science and Engineering and Director of the Institute of Energy, Environment, and Economy at Tsinghua University. His current research interests include low-carbon energy economy transformation, integrated assessment of energy and climate policies, renewable energy and automotive energy. Since 2015, Professor Zhang has been heading the expert group on China's national carbon market design, which is a taskforce of the Climate Change Department in the Ministry of Ecology and Environment. He also served as the co-leader of the expert group for drafting China's Renewable Energy Law from 2004 to 2005, which was organized by the Environmental Protection and Resource Conservation Committee of the National People's Congress, and as a lead author of the 4th and 5th IPCC Climate Change Assessment Report. Dr. Zhang is the current Chair of the Energy Systems Engineering Committee of the China Energy Research Society and a member of the board of directors of Chinese Society of Sustainable Development. He holds a PhD in Systems Engineering from Tsinghua University.



Yoshihiro Sawada

Corporate Adviser,
General Manager of International Affairs Dept.,
Japan CCS Co., Ltd.

Joining Japan CCS in 2010, Mr. Yoshihiro Sawada has served as Executive Managing Director and President of the Plant Division between 2015 and 2017, and has served as Corporate Adviser and General Manager of International Affairs Dept. since 2017. Between 2004 and 2009, he was with Japan Continental Shelf Survey Corp., with the mission to extend the outer limits of the continental shelf of Japan, serving as president between 2007 and 2009. Prior to this, he was involved in research, engineering and construction of offshore structures and pipelines at Nippon Steel Corp., which he joined in 1977. Mr. Sawada holds a M.S. (Civil Engineering), from the University of New York and University of Tokyo.



Mr. Manoj Sharma

Executive Director (Operations)
Refineries Head Quarter,
INDIAN OIL CORPORATION LTD.
New Delhi

Presently, Mr. Manoj Sharma is working as Executive Director (Operations) responsible for the entire operations of the 9 Indian Oil Refineries. He joined IndianOil Corporation Limited in 1985 and has extensive experience of 35 years in Oil Refining Industry. He has worked in various positions at various location of IndianOil Refineries in India. Mr. Manoj Sharma graduated in Chemical Engineering from University Institute of Chemical Engineering & Technology, Panjab University Chandigarh in 1984. He holds an International MBA Degree from University of Slovenia.



Mr. Atsumasa Sakai
Senior Energy Specialist
East Asia Department,
Asian Development Bank (ADB).

Mr Sakai leads ADB's projects in People's Republic of China (PRC), including \$260 million loan project of smart low-carbon district heating project in Qingdao, and a feasibility study on the use of carbon capture usage and storage technology in PRC. Mr. Sakai has recently processed one of the world largest battery energy storage system project for Mongolia. The project expects to unlock the country's renewable energy potential, improving the air quality in urban areas.

Mr. Sakai has completed master's degree of Technology and Policy Program at Massachusetts Institute of Technology, US. He started his career at one of the world-largest private power utilities in Japan. He was seconded to International Institute for Applied Systems Analysis (IIASA), Austria, to conduct economic analysis on hydrogen-based distributed energy resource system for future Japan.



Mr Kamo Takahiro
Deputy General Manager
Mitsubishi Hitachi Power Systems (MHPS).

Mr Kamo Takahiro holds the responsibility of Business development of technologies involving de-carbonation, carbon recycling, green fuel, etc.

Mr KAMO Takahiro's career is described in brief below.

- 1996 – Joined in Mitsubishi Heavy Industries, Ltd.
- 1999 – 2007 Sales and marketing for power systems
- 2007 – 2013 Service business development
- 2014 – New business development in MHPS (a joint venture company of Mitsubishi Heavy Industries, Ltd. and Hitachi, Ltd.)



Mr Tatsuki WAKAYAMA, Ph.D,
Senior Coordinator, Principal Project Engineer (CCU) at
INPEX Corporation

Affiliation: New Business Planning (NBP) Group, NBP Unit,
Renewable Energy & Power Business Division
Reservoir Properties Group, Technical Research Center (TRC), Technical Division

Career history:

- 1994: Dept. of Industrial Chemistry, College of Industrial Technology, Nihon University as Research Associate
- 1996: Advanced Technology Laboratory, Kubota Corporation as Researcher
- 1996: Project Center for CO₂ Fixation and Utilization by NEDO/MITI, RITE as Researcher
- 1999: Dept. of Biomolecular engineering, National Institute of Bioscience and Human-Technology, AIST/MITI as Researcher
- 2005: Global Environmental and Energy Technology Consulting Section, Technology Strategy Consulting Dept., KRI Inc. as Consultant
- 2010: NBP Group, NBP Unit, Corporate Strategy & Planning Division and Reservoir Properties Group, TRC, Technical Division, INPEX Corp. as Coordinator
- 2020: In the present



Mr Jinmiao Xu

Energy Specialist.
Energy Sector Group, Department of Sustainable Development and Climate Change
Asian Development Bank,

Mr Jinmiao Xu is responsible for (i) contribute to ADB's energy sector quality-at-entry and innovations, focusing on renewable energy and conventional clean energy power generation including cutting edge technology, system integration technologies and energy policy; (ii) provide technical advice and support to lending and non-lending operations in the regional departments; (iii) process and administer regional technical assistance; (iv) contribute to the formulation and implementation for regional cooperation and integration; (v) conduct knowledge work.

Mr. Xu led more than three R&D projects within laboratory center of Fujian Longking Co., Ltd, where is responsible for researching ,testing, verifying, designing and simulating work, and developed the world-class large testing devices for flue gas dust collection and analyzing platforms for air pollutants.

Mr. Xu has fourteen years of experience in energy field, designing and managing thermal power plant mechanical engineering and working in EPC project site. His expertise includes domestic and global energy and environmental technologies, policies, and programs. Earlier management responsibilities included technology development programs for advanced power systems and environmental protection technologies.

Mr. Xu received a Bachelor of Science degree in Environmental Engineering from North China Electric Power University, and a Master of Science degree in Thermal Engineering from the Tsinghua University. He has more than 14 published academic papers, 2 authorized patents and 2 ministial awards.



Dr. Mohammad Rachmat Sule

Lecturer
Faculty of Mining and Petroleum Engineering,
Institut Teknologi Bandung (ITB) - Indonesia.

Dr Sule teaches several courses at the Geophysical Engineering and Geothermal Engineering Study Programs. He received his both B.Sc and M.Sc in Geophysics from ITB in 1994 and 1996 and obtained Ph.D in Geophysics from Karlsruhe Institute of Technology – Germany in 2004. Currently he is the Head of Continuing Education Sub Directorate, Directorate of Non Regular Academic of ITB. His recent work has been in the extension of high resolution seismic imaging for geothermal and petroleum.

Currently he is also the Center Manager of National Center of Excellence (CoE) for Carbon Capture, Utilization and Storage (CCUS). One of his main tasks is to prepare the Gundih Enhance Gas Recovery (EGS) Pilot Project, which will be the first ever implemented CCUS Pilot Project in South and Southeast Asian regions. Other CoE works that he manages are the CO₂-source-sink map in Indonesia, strategy for implementing Zero Routine Flaring (ZRF) in Indonesia, and promoting BECCS in Indonesia for limiting to well-below 1.5 deg C warming.



Ms Wan Atikahsari Wan Zakaria

Resource Development Manager
Petronas, Malaysia

Ms Wan Atikahsari Wan Zakaria received her BSc degree in Chemical Engineering from Purdue University, Indiana, USA, in 2001 and was a trainee lecturer for PETRONAS Training Center upon graduation. She then joined PETRONAS Carigali Sdn. Bhd. (PCSB) as a process engineer in year 2003 and was involved in design and engineering of several offshore facilities and onshore receiving terminals for more than 10 years. In 2012, she moved to Front End Engineering Department (PCSB) as Head Concept Select delivering Field Development Plans and team lead for facilities in international acquisitions i.e. Mexico Bid Round. Her current position now is Resource Development Manager in Malaysia Petroleum Management and appointed as the Team Lead for High Contaminants Assets Monetization and Management. She is also a patent holder for PETRONAS PN-1 membrane for CO₂ Removal.

Wuttipong Kongphetsak

Chief of Unconventional Fuels group, Department of Mineral Fuels, Ministry of Energy, Thailand

About the Organizers

Asian Development Bank (ADB):

The Asian Development Bank was conceived in the early 1960s as a financial institution that would be Asian in character and foster economic growth and cooperation in one of the poorest regions in the world. ADB assists its members, and partners, by providing loans, technical assistance, grants, and equity investments to promote social and economic development. ADB is composed of 68 members, 49 of which are from the Asia and Pacific region.

Department for Business, Energy & Industrial Strategy, UK Government:

BEIS is the UK Government department responsible for business, industrial strategy, science, research and innovation, energy and clean growth, and climate change. This includes managing the UK's international climate finance for supporting climate change mitigation in developing countries and leading the UK's representation in climate change negotiations.

Ministry of Economy, Trade and Industry (METI):

Ministry of Economy, Trade and Industry (METI) is a ministry of the Government of Japan. METI's mission is to develop Japan's economy and industry by focusing on promoting economic vitality in private companies and smoothly advancing external economic relationships, and to secure stable and efficient supply of energy and mineral resources.