
ASEAN ENERGY MARKET INTEGRATION (AEMI)

ENERGY SECURITY AND CONNECTIVITY THE NORDIC AND EUROPEAN UNION APPROACHES

BIOGRAPHIES OF PARTICIPANTS

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ASEAN STUDIES CENTER
CHULALONGKORN UNIVERSITY

ศูนย์อาเซียนศึกษา จุฬาลงกรณ์มหาวิทยาลัย



ENERGY
STUDIES
INSTITUTE

National University of Singapore



Norwegian Institute
of International
Affairs

SPEAKERS in order of speaking



Dr Philip Andrews-Speed

Dr Philip Andrews-Speed has 35 years in the field of energy and resources, starting his career as a mineral and oil exploration geologist before moving into the field of energy and resource governance. Until 2010 he was Professor of Energy Policy at the University of Dundee and Director of the Centre of Energy, Petroleum and Mineral Law and Policy. His main research interest is the political economy of energy and resource governance, at national, regional and global scales. China has been a principal geographic focus of his research for 25 years. His current research activities include China's energy transition, the governance of unconventional gas exploitation, energy market integration in Southeast Asia, and the governance of the global energy and resources. Recent books include *China, Oil and Global Politics* (Routledge, 2011) with Roland Dannreuther, *The Governance of Energy in China: Transition to a Low-Carbon Economy* (Palgrave MacMillan, 2012), and *Want, Waste or War? The Global Resource Nexus and the Struggle for Land, Energy, Food, Water and Minerals* (Routledge, 2015) with five co-authors.



Dr Suthipand Chirathivat

Dr Suthipand Chirathivat chairs Chula Global Network and ASEAN Studies Center. He teaches economics at Chulalongkorn University. Until recently, he was Dean, Faculty of Economics, Chairman of the Ph.D. Program in Economics, Chairman of Economics Research Center and Center for International Economics. He has previously served as Director of the Centre for European Studies and Center for International Economics at Chulalongkorn University. Concurrently, Dr. Suthiphand holds professional positions including Vice Chairman of Economics Discipline Committee, National Research Council, Honorary President of the Former Students in France, member of the International Advisory Board, ASEAN Economic Bulletin, editorial member of Asian Business and Management, Vice President of the Alliance Francaise of Bangkok. Dr. Suthiphand previously held a position as Advisor to the Ministers of Foreign Affairs, Minister of Commerce, Minister of Agriculture, Minister of Finance, Deputy Minister of Transport and Communications and Economic Affairs Committee and also Foreign Affairs Committee of the Thai Parliament. He was also Member of the APEC Panel of Independent Experts, Founding Member of the EU-LDC networks of the Netherlands Economic Institute, Member of the Triple-T Task Forces of the Pacific Economic Cooperation Council (PECC). He represented Thailand, East Asia Expert Study Group (ASEAN+3 until 2009) and Comprehensive Economic Partnership in East Asia (CEPEA). He also served as President of the Association of Former Students in France, Thailand and Executive Member of the Economic Society in Thailand.



Professor Siaw Kiang Chou

Professor Siaw Kiang Chou obtained a B.Eng. in Mechanical Engineering from the University of Singapore, and a D.E.A. and Dr-Ing. from Ecole Nationale Supérieure d'Arts et Métiers, Paris, under a French Government Scholarship. He joined the Department of Mechanical Engineering, National University of Singapore, as a lecturer, in 1980, and is presently Professor. He is jointly appointed to the NUS Energy Studies Institute as its Executive Director. From 1990 to 1992, he was seconded to the Science Council of Singapore and the National Science and Technology Board as Executive Director. In 1992, he helped establish the NUS Industry and Technology Relations Office (INTRO), where he was Director from 1992 to 2000. In 1995, he helped found the NUS Technology Holdings Pte Ltd (NUSH), a wholly-owned NUS company responsible for seeding new technology start-ups from university research and inventions. He held the position of Managing Director of NUSH from 1995 to 2001. He was Head of the Department of Mechanical Engineering, NUS, from 1998 to 2003, and Vice-Dean (External and Industry Relations) of the Faculty of Engineering from 2003 to 2008. S.K. Chou is a Fellow and Immediate Past President of the Institution of Engineers (IES), Singapore, and a Fellow of the American Society of Heating, Refrigerating and Air-Conditioning Engineers. He is a Fellow of the Singapore Academy of Engineering, the ASEAN Academy of Engineering and Technology, and the Energy Institute, UK. He chairs the Advisory Committee of the School of Mechanical and Aeronautical Engineering and is a member of the Board of Governors of Singapore Polytechnic.



Dr M.R.Kalaya Tingsabadh

Dr M.R.Kalaya Tingsabadh is Vice President of Chulalongkorn University in charge of academic affairs and international affairs. Her responsibility covers university-wide outcome-based curriculum development, teaching and learning innovation, academic quality assurance, and internationalisation. She was Dean of Faculty of Arts (1996-2004) and Dean of Graduate School (2004-2008), and has been Vice President since 2008. Currently, she is also a member of the University Council. Dr M.R.Kalaya Tingsabadh received B.A.(Hons.) in 1971 from the University of York U.K. majoring in Language and Education. She obtained her M.A. in Modern English Language in 1972 and Ph.D. in Phonetics and Linguistics in 1980 from University College London. Her research area is Thai dialectology.



Ambassador Tormod Endresen

Ambassador Tormod Endresen is a career diplomat and has served at Norway's mission to the United Nations in New York and in various positions at the Ministry of Foreign Affairs, including in the Foreign Minister's Secretariat and as Deputy Director General for Human Rights. Prior to his arrival in Singapore in 2012 Mr. Endresen was Consul General in Guangzhou, China. A lawyer by training, Mr. Endresen has been practicing business law at Wiersholm law firm in Oslo from 2001 to 2003, and holds a Master's degree of Law from the University of Oslo.



Mr Beni Suryadi

Mr Beni Suryadi is an energy professional with solid experience in managing researches and programmes in ASEAN. As Programme Officer, he manages the coordination with ASEAN Specialized Energy Bodies and Sub-Sector Networks for the implementation of ASEAN Plan of Action for Energy Cooperation (APAEC) 2010-2015, and the cooperation with Dialogue Partners (China, Japan, Korea and U.S) and International Organizations. He also leads the research team to provide policy recommendation for the region in achieving its target on low emission strategies (reducing energy intensity and increase the role of renewable energy), energy access, climate change and energy market integration.



Mr Syaiful Bahkri Ibrahim

Mr Syaiful Bahkri Ibrahim graduated in Bachelor of Engineering Physics in 1977 from Institute Technology of Bandung and have post grade education on Energy Economics at UW Madison USA 1984. He has joint for 32 years carrier with PT PLN since 1977, with various task and responsibility, from Junior System Planning Engineer at Head Office, General Manager for Regional Services and Senior Staff at Head Office prior his retired in 2009. He was appointed as HAPUA Secretary in Charge since 2007, actively involve and support on various Study of ASEAN Power Grid Projects. After his second carrier, he was actively as Senior Energy Expert of study conduct by JICA, ADB and USAID in Indonesia. He is also Board of Director two private companies in developing two projects of Mini hydro Power Plant at West Sumatra.



Dr Johan Strang

Dr Johan Strang is a Senior Lecturer at the Centre for Nordic Studies, University of Helsinki, where he teaches contemporary politics, culture and debate in Scandinavia. His research interests include the political and intellectual history of the Nordic countries. His recent book, the anthology *Nordic cooperation - A European Region in Transition* (London: Routledge, 2016), examines manifold and multilevel practices of Nordic cooperation. It is the academic analysis behind the report *Nordic communities – a vision for the future* (2012) which he wrote on a commission by the Nordic Council (available at <http://norden.diva-portal.org/smash/record.jsf?pid=diva2:702589>). Strang is a member of the Academy of Finland-project *Asymmetries in European Intellectual Space* (2012-16, <http://blogs.helsinki.fi/asymmetries/>). Among his publications in this context is 'Facing Asymmetry – Nordic intellectuals and center-periphery dynamics in European Cultural Space' (*Journal of the History of Ideas*, 2016:1). Strang was a guest researcher at the Stein Rokkan Centre for Social Studies in Bergen, Norway, in 2008-2010 as part of the mobility programme of the *Nordic Centre for Excellence: The Nordic Welfare State – Historical Foundations and Future Trajectories*. In the spring of 2015, he was a guest researcher at the Institute for Contemporary History at Södertörn University, Sweden, as part of his postdoctoral project *Stubborn Scandinavian Realists* (Academy of Finland, 2012-2015).



Dr Birte Holst Jørgensen

Dr Birte Holst Jørgensen is Deputy Head of DTU Management Engineering, the Technical University of Denmark. From 2005-2009 she was on leave from her research position at Risoe National Laboratory to take up the position as director of Nordic Energy Research in Oslo. She has a M.Sc. in Business Economics and Administration from Copenhagen Business School and a Ph.D. in Political Science from Copenhagen University. She is an acknowledged expert in new energy technologies and systems, energy R&D strategies and technology policies at national, EU and international level. She has leading positions in several research and expert committees and programmes, a.o. member of the EU Commission Advisory Group on Energy, member of the Research Council of Norway ENERGIX programme, member of the Stakeholder Forum for the Danish TSO Energinet.dk. Since 2011 she is Principal Coordinator (PC) of the energy programme at the Sino-Danish Centre for Research and Education (SDC), a collaboration between the Danish universities and the China Academy of Science institutes. Previous work experiences include positions in private and public consultancy companies as well as a 3-year assignment at the Technical University of Ecuador.



Mr Christian Egenhofer

Mr Christian Egenhofer is Director of Energy Climate House, a newly established thinktank, within the Centre for European Policy Studies (CEPS), dedicated entirely to energy and climate issues. He is also Visiting Professor at the College of Europe in Bruges and Natolin/Warsaw, SciencesPo, Paris and Guido Carli LUISS University in Rome, where he teaches courses on energy and climate policies and regulation. He has published eight books on climate change, energy and issues on European integration in addition to more than 100 reports, articles and book chapters. He is lead author of *Ever Changing Union – An introduction to the history, institutions and decision-making processes of the European Union*, arguably the “shortest textbook on the EU”, which has been published in its second edition.



Mr Manuel Baritaud

Mr Manuel Baritaud joined the IEA in 2011 as Senior Energy Analyst in the Gas Coal and Power Markets Division, where he leads the Agency’s work on electricity markets and policy developments, with a special focus on market design, supply security issues, as well as the implications of climate policy for electricity systems. Before joining the IEA, Manuel worked in the private sector as an economist in the Corporate Strategy Department at AREVA. Before that, he was in charge of the regulation of transmission and distribution network tariffs at the French Energy Regulatory Commission (CRE). Manuel is an economist and an engineer. He holds a Ph.D. in Economics from the Paris School of Mines and a Master’s degree from the University of Paris, Dauphine.



Mr Bambang Hermawanto

Mr Bambang Hermawanto was graduated as Bachelor in Electrical Engineer from Surabaya Institute of Technology then continued his study in University of Manchester Institute of Technology (UMIST) – Manchester, UK for Master Degree in Electrical Power System Engineering. Most of his carrier, almost 30 years, was with PT PLN (Persero), the Electricity State Corporation of Indonesia. He was the Deputy Director of System Planning (2004 – 2008) then as the Vice President for International Relation before he retired in 2009. He has been involving in the ASEAN Power Utility Forum (HAPUA-Head of ASEAN Power Utility/Authority) more than 15 years before he was assigned as the Chairman of ASEAN Power Grid Consultative Committee in 2009. He involved in developing the first ASEAN Interconnection Master plan Study (AIMS) in 2005 and AIMS II in 2009. He was also the invited lecture in the ASEAN Resident School on Electric Power Engineering (ARSEPE) organized by HAPUA. In addition, he was also the invited speaker in some seminars and conferences on Smart Grid and Electric Power Interconnection.



Mr Bounngong Bouttavong

Mr Bounngong Bouttavong is Deputy Director at the Technical Department of the Electricity of Laos. He has a Master of Science in Electrical Supply and a Master of Engineering in Energy Economics and Planning. Mr Bouttavong is also part of the HAPUA working group no.2 (ASEAN Power Grid), APGCC, and is currently the LTMS Chair.



Mr Le Dong Hai

Mr Le Dong Hai was born on 02 April 1984 in Thanh Hoa Province, Vietnam. In 2007 he graduated from Hanoi University of Science and Technology (HUST, formerly named Hanoi University of Technology –HUT) with a bachelor in electrical engineering, major of power system. He has started to work for the Electricity Regulatory Authority of Vietnam (ERAV) since October 2007 as an electricity market expert. From 2007 to 2012, he had involved as one of key persons to develop and launch Vietnam Generation Competitive Market (VCGM) that has begun to operate since 1st July 2012. He also contributed to develop the restructuring proposal for VCGM. This has resulted in the establishment of three EVN GENCOs and five Power Corporations (Distribution and Retail). In 2012 he received the Australia Awards Scholarship to undertake a Master course of Energy Planning and Policy at University of Technology, Sydney (UTS), Australia.



Madam Inu Baizura bte Mohamad Zain

Madam Inu Baizura graduated from National University of Malaysia in 1996 with a Bachelor of Science (Development Science) (Hons) degree, followed by Master in Environmental Management from the same University in 1997. She began her working life in 1999 as Assistant Secretary in Planning Division, Ministry of Rural and Regional Development and was involved in planning, formulating, monitoring and evaluating policies, strategies and programs related to the development of rural and regional areas in Malaysia. From March 2007 until 2008, she worked at Ministry of Science, Technology and Innovation (MOSTI) as the Head of Finance Division. She was then promoted to Senior Principal Assistant Secretary at Ministry of Energy, Green Technology and Water from September 2008 until August 2014 as the Head of Regulatory Unit for the Energy Sector. Currently, she is the Under Secretary of Regulatory and Industry Development Division, Energy Sector at the Ministry of Energy, Green Technology and Water.



Mr Hans-Arild Bredersen

Mr Hans-Arild Bredersen has been involved in the electricity deregulation process since 1992. He has been involved as technical project manager developing the market systems at Nord Pool and Statnett as well as participating in the development of different participant systems in the Nordic market. In his work in the international arena, Hans-Arild has investigated international markets and had key roles in the development of strategies and detailed rules for Trading, Scheduling, and Settlement systems for regulators, power exchanges and system operators in California, Albania, Bulgaria, Croatia, India, Romania, Turkey, Southern Africa, UK, France, South-east Europe and Ireland among others. Hans-Arild has been involved in developing new product offerings in a continuous evolving electricity market and was one of the resources in the project group that enabled the start of the NCE (Norwegian Centre of Expertise) in Smart Energy Markets in Halden, Norway. He is currently a partner in this network. Hans-Arild has also been employed as a short-term expert within Energy for the World Bank where he is involved in the energy market development in Central Asia as well as South-east Europe. Hans-Arild is now the CEO of Nord Pool Consulting, the consulting company of Nord Pool Spot.



Dr Joni Jupesta

Dr Joni Jupesta has been appointed as the Head of Policy Research and Analytic Programme at ASEAN Centre for Energy (ACE) since 2015. Soon after finishing his PhD studies at Tohoku University Japan in 2010, he worked as Research Fellow at the United Nations University in Tokyo. He has received several international awards for his research works; Green Talent Award from the German Federal Ministry of Education and Research in 2012, the Mitra Award from the APN in 2013 and BIARI Grant Award in 2014.



Dr Yanfei Li

Dr Yanfei Li is an Energy Economist of the Economic Research Institute for ASEAN and East Asia (ERIA). He specializes in energy markets, energy policy, and economics of technological change, serving the interests of both academic and public sectors. Dr Li's current research covers oil prices, regional natural gas trade and market integration, regional power infrastructure planning and electricity trade, economic and environmental assessment of energy technologies, and energy-economy-environment modelling. His academic research appears on top journals such as *Energy Economics* and *Energy Policy*. He acquired PhD in Economics from Nanyang Technological University in Singapore and Bachelor's degree in Economics from Peking University in Beijing.



Dr Nawal Kamel

Dr Nawal Kamel is a Visiting Professor at the Faculty of Economics, Chulalongkorn University, Bangkok. Until 2012, she was a Director at the World Bank, in Washington, D.C., a position she had held since 1994. During her career, Nawal has also served at the Deputy Ministerial level in the Department of Natural Resources, Canada, working closely with the Minister to advise on decisions regarding his portfolio of energy, mining, and forestry. She was the Canadian lead for a joint Canada-US Task Force on electricity distribution in North America, co-chaired by the Ministers of Energy from both the US and Canada. The success of this Task Force earned her the 2005 Key Women in Energy-Global award from the Energy Marketers Association in the US. Nawal has also spent two years at the Oxford Institute for Energy Studies (UK), an academic organization dedicated to research in energy and to fostering a dialogue between energy producing and consuming countries, and private sector entities. Finally, as part of her contribution to her country of origin, Nawal was also the founding Executive Director of the Sawiris Foundation for Social Development, the first family Foundation dedicated to social development in Egypt. Nawal holds a Doctorate in Mathematics from the Sorbonne (Paris) and a Doctorate in Economics from Oxford (UK).



Assistant Professor Charit Tingsabadh

Assistant Professor Charit Tingsabadh has a B.A. Economics Cambridge University, M. Social Sciences in Birmingham University-UK and PhD Development Planning, UCL London University-UK. Former Director of the Centre for Ecological Economics, he is interested in economics of the environment and in Social and Environmental Research including climate change, forestry development, and urban environmental management. As Director of CES, besides European studies and theoretical aspects of regional integration and how they may apply in other contexts e.g. the ASEAN region, he is now developing co-operations with Centres for EU Studies in Thailand and abroad through joint activities such as exchanges of information, research and scholarly exchanges.

PARTICIPANTS



Ms Aishah binti Mohd Isa

Ms Aishah Mohd Isa is currently a Senior Lecturer at Universiti Tenaga Nasional (UNITEN) in Putrajaya, Malaysia. She received her doctorate in Energy and Environment Engineering from Waseda University, Japan for her work on multi-criteria power generation planning. She holds an MSc in Electrical Power Engineering with Business from Strathclyde University, Scotland and a BSc in Electrical Electronic Engineering from Universiti Tenaga Nasional, Malaysia. Professionally, she is a member of the Board of Engineers (IEM) Malaysia, International Association of Energy Economics (IAEE) and Institution of Engineering and Technology (IET). Aishah is very much interested in regional energy cooperation issues and has participated in several regional programmes at APEC and ASEAN levels including presenting at regional working level meetings and forums, conducting cross-border workshops and managing peer review processes for EE and RE.



Dr Christopher Len

Dr Christopher Len is a Fellow at the Energy Studies Institute, National University of Singapore. He obtained his PhD from the Centre for Energy, Petroleum and Mineral Law and Policy (CEPMLP) at the University of Dundee in Scotland. Before that, he studied at the University of Edinburgh, Scotland (Philosophy and Politics) and the Department of Peace and Conflict Research, Uppsala University, Sweden. He was previously a Research Fellow at the Stockholm-based Institute for Security and Development Policy (ISDP) where he was responsible for the Energy and Security in Asia Project. Len was also a Visiting Associate under the Energy Programme of the Institute of Southeast Asian Studies (ISEAS) in Singapore between 2006-2012. His research interests include Asia energy and maritime security issues, Chinese foreign policy and also, the growing political and economic linkages between the various Asian sub-regions.



Er. Kang Seng Seow

Er. Kang is a Singapore registered professional engineer in electrical engineering in the planning, design and implementation of numerous power system engineering projects and a 40-year veteran of the utility industry, with strategic, planning, operational and consulting experience. He has provided client solutions in grid code harmonization, substation upgrading, strategic planning, technical analysis and project implementation. In his prior industry and regulatory roles, Er. Seow developed expertise in utility planning, operations, project management, etc. including power system operation, power station project implementation, distribution network planning, codes/rules development for liberalized electricity markets, and smart meter and micro-grid pilot projects. Prior to working in DNV GL, Er. Seow provided specialist consultancy services to clients or through international consulting companies, including technical harmonization for ASEAN Power Grid project funded by

Asia Development Bank, conducted a 5-day Power System Operation training course for National Load Dispatch Centre of Vietnam in 2012. During the period from 1995 to 2003, Er. Seow was involved in the liberalization of both wholesale and electricity markets in Singapore, including the review of draft Electricity Bill, regulations, codes of practice and market rules for the electricity markets.



Ms Gwendolyn Cheah

Ms Gwendolyn works at the Energy Division in the Ministry of Trade and Industry, Singapore. She works with key stakeholders to manage Singapore's bilateral and multilateral engagements on energy issues and to profile Singapore as a constructive player in the energy space. She graduated from the National University of Singapore with a Bachelor in Environmental Studies.



Dr Indra Øverland

Dr Indra Overland is head of the Energy Program at the Norwegian Institute of International Affairs and Professor II at the University of Nordland. He did his PhD at the University of Cambridge and has since published extensively on energy issues. He was awarded the Toby Jackman Prize for best PhD dissertation, the Marcel Cadieux Prize for an article on Russia's Arctic energy policy in *The International Journal*, the Stuland Prize and co-authored the most cited article published by the Journal of Eurasian Studies. During his studies he specialized on South-East Asia, and he later worked as a long-term political observer in Cambodia and did research in Myanmar.



Mr Liang Ching

Mr Liang Ching heads the Business Development Unit, which spearheads the identification, prospecting, management and maximization of various ventures, partnerships, programmes and products/services to support the business growth objectives of EMC. Prior to this, he was in the Market Administration Unit, which advises the Rules Change Panel through economic analysis and proposals to enhance efficiency in the electricity market. Before his EMC appointment in 2007, he worked in the Planning and Research Department of the Ministry of National Development, and the Housing Market Analysis Unit of the Housing and Development Board. Liang Ching holds double degrees (high honours) in Electrical Engineering and Economics from the University of California, Berkeley, and a Master of Social Sciences degree in Applied Economics (Lim Chong Yah Medal) from the National University of Singapore.



Dr Liu Xiying

Dr Liu Xiying is a research fellow at the Energy Studies Institute (ESI), National University of Singapore. She received her Doctor's degree in Energy Economics and Master's degree in International Finance from Xiamen University, China. With 8 years of research and work experience in energy and climate change sector, Dr. Liu is experienced in advisory work with decision makers from both government and industry, including central and local government agencies, state-owned energy companies, renewable companies, and investors, for the purpose of assisting their strategic decision-making. Her research interests cover electricity market, renewable energy policy and financing, off-grid energy and rural electrification, low carbon transition during urbanization, sustainable development and etc. At ESI, she mainly works on policy and market research on solar photovoltaics development, off-grid renewable energy investment and etc.



Ms Marie Gail de Sagon

Ms Marie de Sagon is Senior Officer for Energy & Minerals at the ASEAN Secretariat in Jakarta, responsible for regional cooperation in energy and minerals. She has a long history with the energy sector, having worked at the Philippines Department of Energy, the Power Sector Assets and Liabilities Management Corporation and the Infrastructure Staff of the National Economic and Development Authority during the liberalisation of the Philippine energy sector and during the deliberations and later implementation of the restructuring and reform of the electric power industry. Prior to joining the ASEAN Secretariat, she worked with a multilateral development bank and other aid agencies on energy, infrastructure and network industries, climate change and development effectiveness. She has a degree in business economics from the University of the Philippines and a masters in international and development economics from the Australian National University.



Mr Nur Azha Putra

Nur Azha Putra is research associate at the Energy Studies Institute, National University of Singapore. He was previously associate research fellow at the Centre for Non-Traditional Security (NTS) Studies at the S. Rajaratnam School of International Studies, Nanyang Technological University (NTU), Singapore, where he was the lead researcher and coordinator of the Energy Security and NTS Plus programmes. He holds an MSc in international political economy from NTU, and a Bachelor of Information Technology from Central Queensland University, Australia. Nur Azha Putra is also the co-editor of the volumes on Rethinking Energy Security in Asia: A Non-Traditional Security Perspective, and Energy and Non-Traditional Security in Asia.



Dr Siri Jirapongphan

Dr Siri Jirapongphan is currently an Executive Director of the Petroleum Institute of Thailand (PTIT), which established in 1985 with support from the government, academic and private sectors, to operate as a non-profit foundation. PTIT works as an independent and neutral institute, provide professional services to support petroleum, petrochemical and related industries in Thailand to ensure continuous competitiveness and sustainability of such industries. Dr. Siri received his Sc.D. degree in Chemical Engineering from Massachusetts Institute of Technology and S.B. (Honor) degree in Chemical Engineering from the California Institute of Technology.



Dr Xunpeng Shi (Roc)

Dr. Xunpeng Shi (Roc) is a Senior Research Fellow and the Deputy Head of Energy Economic Division at Energy Studies Institute National University of Singapore. Until May 2014, Xunpeng was the Chief Researcher for Energy Efficiency and Conservation at the Brunei National Energy Researcher Institute. Previously, Xunpeng was an energy economist in the Economic Research Institute for ASEAN and East Asia (ERIA), a Jakarta based international think-tank to support ASEAN and East Asian Summit (EAS). Xunpeng recently has published in leading journals, such as *Energy Economics*, *Energy Policy*, *Applied Energy*, *Renewable and Sustainable Energy Reviews*, *Resource Policy*, and *Development Policy Review*, on energy, environmental and development economics and policy with regional focuses on China, ASEAN and East Asia. Xunpeng's current research interests include Gas Trading Hubs and Hubs Pricing in East Asia, China's Gas Market Liberalization, Energy Efficiency Rebound Effect and Financing Off-grids Renewable Energy Projects in ASEAN. Xunpeng is also an Associate Editor for *Journal of Management in Modelling*. He obtained his PhD of Economics and Master of Environmental and Resource Economics from the Australian National University, LLM in Mineral Law and Policy from the University of Dundee and Bachelor in Marketing from China University of Mining and Technology.



Dr Yao Lixia

Dr Yao Lixia is the Research Fellow at Energy Studies Institute, National University of Singapore. She did her PhD at the S. Rajaratnam School of International Studies, Nanyang Technological University in Singapore. She has a Bachelor's degree from Dalian Maritime University, China, and a Master's degree from Vrije Universiteit Brussel in Belgium. She has done research on the quantitative measurement of energy security, the impacts of China's macroeconomic reforms on its energy sector, and the energy security and energy policies of Southeast Asia. Her current research focuses on energy security and energy policies of resource-poor economies in East Asia.



Dr Youngho Chang

Dr Youngho Chang is an Assistant Professor of Economics at the Division of Economics, Nanyang Technological University, Singapore. Apart from the academic affiliation, he is a member of Technical Committee for Clean Development Mechanism (CDM) Designated National Authority (DNA), National Environment Agency, Singapore. He specializes in the economics of climate change, energy and security, oil and macroeconomy, and the economics of electricity market deregulation. His current research interests are oil price fluctuations and macroeconomic performance, the economics of energy security, energy use and climate change, human capital and economic growth, and education for sustainability (EfS). He has published his research output in internationally refereed academic journals. He co-edited books on energy security such as *Energy and Non-Traditional Security (NTS) in Asia*, *Rethinking Energy Security in Asia* (both by Springer), *Energy Security: Asia Pacific Perspectives* (Manas Publications) and *Energy Conservation in East Asia: Towards Greater Energy Security* (World Scientific). He is editing a book volume on *Energy and sustainability* (Springer). Along with academic publications, he carried out consultation projects for the public and private sectors. Before working in the academia, Dr Chang worked as a landscape architect for two years in Korea and Saudi Arabia, and a financial analyst for four years in Korea. He was a degree fellow at the East-West Center, Hawaii and received his Ph.D. in Economics (Environmental and Resource Economics) from the University of Hawaii at Manoa, U.S.A.