

ASEAN ENERGY MARKET INTEGRATION (AEMI)

BRAINSTORMING SESSION

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BIOGRAPHICAL NOTES



Dr. Adoracion M. Navarro

Senior Research Fellow, Philippine Institute for Development Studies (PIDS), the Philippines.

Dr. Navarro's policy research interests revolve around energy and other infrastructure sectors. She gained practical knowledge on economic policy analysis by conducting studies as a Senior Research Fellow at the Philippine Institute for Development Studies, as well as through her past experience working at the Philippine National Economic and Development Authority-Infrastructure Staff, Philippine Build-Operate-Transfer Center (now Public-Private Partnerships Center), International Monetary Fund-Government Finance Division, private consultancy firms, and Philippine-based multilateral and bilateral aid agencies. She finished her Ph.D. (Economics) from the University of the Philippines-Diliman. She also obtained an MPA (Economic Policy Management) from Columbia University-New York.



Dr. Aishah Mohd

Senior Lecturer, College of Engineering, Universiti Tenaga Nasional (UNITEN), Malaysia.

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. Chaiwat Muncharoen

*Director, Asian Greenhouse Gas and Management
Center, Asian Institute of Technology (AIT)*

Dr. Muncharoen is internationally recognized as a technical expert on topics at the heart of the AGMC's mission, including greenhouse gas (GHG) emission inventories and reduction strategies; measurement, reporting and verification (MRV); and carbon management. In particular, he has developed GHG databases and information systems, tools and models for national inventories, baseline projections and impact analyses, GHG inventory methodologies, MRV systems, as well as a registry system for emission reduction projects and programs across sectors. Dr. Muncharoen is a leader in his field and brings decades of experience in capacity building, program development, and organizational management.

Dr. Muncharoen is a regular speaker and co-facilitator for The Organisation for Economic Co-operation and Development Climate Change Expert Group, a member of the World Resource Institute's advisory committee on the global GHG protocol for mitigation accounting and MRV, and a member of the World Bank's Working Group on Globally-Networked Carbon Markets. He has presented at high profile regional and international events, including the Asia Low Emission Development Strategies Forum, Asian Development Bank workshops, Carbon Expo, Power Gen Asia, Renewable Energy Asia, Asia Business Forum, Gold Standard Academic, and the Centre for European Policy Studies Carbon Market Forum.

As Director of the AGMC, Dr. Muncharoen will work closely with the Asian Institute of Technology (AIT) in developing and delivering regional trainings and conducting country-driven research through the Center that promotes GHG emission reductions and green growth. Dr. Muncharoen will lead the AGMC's long-term strategy and development plans, shaping the Center's offerings and broadening its reach.



Ir. G. Lalchand

Associate, Akademi Sains Malaysia, Malaysia.

Ir. Lalchand is an electrical engineering graduate from the Brighton College of Technology United Kingdom (1963). He served the main electricity supply utility in Malaysia, TNB, for a total of about 37 years including on special assignments after mandatory retirement in 1994), mainly in Distribution Management, Corporate Planning and Corporate Audit,. He was engaged after his retirement to establish a "Loss Management Unit" and was involved in developing distribution system planning guidelines. He has been involved in various activities related to policy development and promotion of Energy Efficiency, Renewable Energy, Green Technology, and Sustainable Development covering green buildings and materials, transport infrastructure and power supply. He was involved in the

development of Malaysia's first successful RE (Biomass – EFB) power plant in Sabah. He was also involved in various DANCED/DANIDA and UNDP/GEF projects from 1999 until 2010.

Ir. Lalchand is a strong supporter of EE, RE and Sustainable Development and is still passionate about these issues. He strongly believes that the 3Es (Energy, Economy & Environment) need to also include an “S (for Society)” where the needs of the energy & earnings deprived segments of society, especially in developing countries, should be given enhanced emphasis to give them the opportunities for social & economic advancement that the rest of the populations enjoy.



Dr. Lim Chee Ming

*Associate Professor, Institution of Engineering and Technology,
Universiti Brunei Darussalam (UBD), Brunei Darussalam.*

An academic and research scientist working in the areas of magnetic materials, renewable energy, energy efficiency and conservation, and thin-film solar cells. Has a 9 years experience at the research management level, and experience includes research fund applications and research proposal writing. The total funding awarded for currently ongoing research is B\$27.3 million. Holds the post of Director for the Centre for Advanced Material and Energy Sciences.



Dr. Ma. Joy V. Abrenica

*Associate Professor, School of Economics, University of Philippines
(UP)-Diliman, the Philippines.*

Ma. Joy V. Abrenica is an Associate Professor at the School of Economics, University of the Philippines-Diliman, where she also earned her M.A. and Ph.D. in Economics. She teaches graduate and undergraduate courses in International Trade, Industrial Organization, Econometrics, Microeconomics, Competition Policy and Game Theory, among others.

A Magna Cum Laude graduate of De La Salle University, major in Economics and Accounting, she is also a Certified Public Accountant and one of the top examinees (6th Place) in the 1987 CPA Board Exam. She was the recipient of the Jose Rizal Honors Society Special Award and Sixto K. Roxas Gold Medal for Excellence in Economics and First in Academic Ranking AB-BSc at the De La Salle University.

Prof. Abrenica is an economist and a specialist in international trade, industrial organization, and technology issues. Her research interests are in the fields of trade facilitation and Customs, economic integration, trade in services, and competition policy. She has also written extensively on the telecommunications, power, and transport industries and has delivered her papers in numerous conferences abroad. She serves as a lecturer in WTO regional policy training courses. She received the Ten Outstanding Young Scientists award in 2004 from the National Academy of Science and Technology.



Dr. Nguyen Thi Mai Anh

Lecturer, Department of Industrial Economics, School of Economics and Management, Hanoi University of Science and Technology (HUST), Viet Nam.

Over 15 years of experiences in teaching and conducting research in energy and environment fields. Experts and analyst for many energy projects like Energy & International Development: Understanding Sustainable Energy Solutions in Developing Countries, promoting energy conservation in small and medium enterprises; promoting high efficiency of public lighting; Rural Electrification & Renewable Energy, assessment of energy policy in Vietnam in terms of sustainable development... Expertise includes organizing large scale of surveys to identify needs of target groups (training, technology transfer needs etc.) and conducting market research in the energy fields. She currently is lecturer of Hanoi university of Science and Technology.



Dr. Philip Andrews-Speed

Principal Fellow, Energy Studies Institute (ESI), National University of Singapore (NUS), Singapore.

Dr. Philip Andrews-Speed is a Principal Fellow at the Energy Studies Institute of the National University of Singapore. He 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. After that, whilst a Fellow at the Transatlantic Academy of the German Marshall Fund of the US, he co-authored a report entitled *The Global Resource Nexus. The Struggles for Land, Food, Water and Minerals*. He recently led a major European Union (Framework 7 Programme) project “Competition and Collaboration in Access to Oil, Gas and Mineral Resources”. Recent books include *China, Oil and Global Politics* with Roland Dannreuther (Routledge, 2011) and *The Governance of Energy in China: Transition to a Low-Carbon Economy* (Palgrave MacMillan, 2012). His current research focuses on the development of unconventional gas in Asia and on the governance of energy in Asia.



Dr. Maxensius Tri Sambodo

*Researcher, Indonesian Institute of Sciences (LIPI)-
Economic Research Center, Indonesia, also Fellow, Institute of
Southeast Asian Studies (ISEAS), National University of Singapore
(NUS), Singapore.*

Maxensius Tri Sambodo is a researcher at the Indonesian Institute of Sciences (LIPI) -Economic Research Center. Currently, he is a visiting fellow at the Institute of Southeast Asian Studies (ISEAS), Singapore. His research interests are on energy, environment, natural resources and economic development. He obtained a Ph.D. in Social Systems Analysis, Public Policy Program, National Graduate Institute for Policy Studies (GRIPS), Japan, in September 2012. The title of his dissertation is *Mathematical Modeling Analyses for Investigating the Future Expansion of the Electric Power System in Indonesia*.



Dr. Tri Widodo

*Professor and Head of Economics Department, Faculty of Economics
and Business, Universitas Gadjah Mada (UGM), Indonesia.*

Tri Widodo is a professor and the Head of Economics Department at the Faculty of Economics and Business, Universitas Gadjah Mada (FEB-UGM), Indonesia. He got his Bachelor degree from FEB-GMU (1995), Graduate Diploma of Economics of Development (Grad.Dip.Ec.Dev.) (1999) and Mater of Economics of Development (M.Ec.Dev) (2000) from *Australian National University*, Australia, and Doctor of Philosophy (Ph.D) in Economics from *Hiroshima University of Economics*, Japan (2009).



Ir. Dr. Tuan Ab. Rashid Bin Tuan Abdullah

*Director, Institute of Energy, Policy and Research (IEPRE),
Universiti Tenaga Nasional (UNITEN), Malaysia.*

Ir. Dr. Tuan Ab. Rashid bin Tuan Abdullah taught Electrical Machines & Drives, Energy Conversions and Electrical Installations at the Universiti Tenaga Nasional. He completed his Secondary School Honour Graduation Diploma in Toronto, Canada; BSc in Electrical Engineering from the University of Southern California, Los Angeles, USA; MSc in Electrical Power Engineering with Business and PhD for research in the area of Power System Asset Management, both at the University of Strathclyde, Glasgow, UK and completed a 13 month Advanced Professional Training in utility companies in Bavaria, Germany.

He has more than 29 years industrial experience at Tenaga Nasional Berhad/Universiti Tenaga Nasional in various capacity including management, construction, maintenance and planning of electrical network; development of business IT system; implementation of radio communication; implementation of SCADA for electrical distribution network; development of automated meter reading system; formulation of electricity tariff and reporting of the licence requirement to the regulator.

His research and consulting experiences include the feasibility study of geographical information system, integrated supply chain management for utility, a technological review on clean coal, solar & biofuels and formulation of electrical blueprint for Iskandar Regional Development Authority and electrical transient study due to electric trains.

He is a Professional Engineer registered with the Board of Engineers Malaysia and a Corporate Member of the Institute of Engineers Malaysia. He has served in local government technical councils and District Office. Apart from teaching, he has held various administrative posts as Strategic Planner at College of Engineering, Deputy Dean (Student Affairs & External Relations) at College of Engineering and the Director of the UNITEN Institute of Professional Advancement. Currently, he holds the position of the Director of the Institute of Energy Policy and Research and Head of the Centre for Smart Grid Technology.



Dr. Xunpeng Shi

Senior Research Fellow Energy Studies Institute (ESI), National University of Singapore (NUS), Singapore

Dr. Xunpeng Shi is a Senior Research Fellow at Energy Studies Institute National University of Singapore. Until recently, he was the Chief Researcher for Energy Efficiency and Conservation at the Brunei National Energy Researcher Institute, in which position he has assisted the Brunei government in setting a mandatory energy efficiency standards and labeling programs, including drafting legislation and proposing standards. Previously, he was an energy economist in the Economic Research Institute for ASEAN and East Asia a Jakarta based think-tank to support ASEAN and East Asian Summit (EAS), where he was in charge of a variety of energy research projects. Before he started his PhD, he had various management and research positions in China's leading energy institutes, companies and central government agencies. He has published in leading journals on energy, environmental and development economics and policy with a regional focus of China, ASEAN and East Asia. 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 University of Dundee and Bachelor in Marketing from China University of Mining and Technology.



Dr. Youngho Chang

*Assistant Professor, Division of Economics,
Nanyang Technological University (NTU), Singapore*

Dr. Chang is an Assistant Professor of Economics at the Division of Economics and an Adjunct Senior Fellow at the S. Rajaratnam School of International Studies (RSIS), Nanyang Technological University, Singapore. Apart from academic affiliations, he is a member of Technical Committee for Clean Development Mechanism (CDM) Designated National Authority (DNA), National Environment Agency, Singapore. He published his research papers in internationally refereed academic journals such as Energy Economics, International Economics, Econometric Theory, Economics Letters, Energy Policy and Korea and the World Economy among others. 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). Along with academic publications, he carried out consultation projects for the public and private sector. 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, and sustainability in education. He has been interviewed and quoted by global and local media such as the International Herald Tribune, the Strait Times, BBC, Bloomberg, Channel News Asia regarding energy- and climate change-related issues. 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.

AEMI Advisory Committee



Dr. Charit Tingsabadh

*Assistant Professor and Director, Centre for European Studies (CES),
Executive Committee, Chula Global Network (CGN),
Chulalongkorn University, Thailand.*

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.



Dr. Chayodom Sabhasri

*Associate Professor and Dean, Faculty of Economics,
Chulalongkorn University, Thailand.*

Chayodom Sabhasri has been the Dean of the Faculty of Economics, Chulalongkorn University, since April 2012. He earned his Ph.D. in Economics from University of Wisconsin-Madison, MSc, in Economics from the LSE, and B. Econ from Chulalongkorn University. He has over 70 publications in books and academic papers. In the beginning of his career, his academic works concentrated on international finance. Recently, most of his projects have been on the economic integration especially the issues free trade areas. He is an advisor to the General Director of the Department of International Trade Promotion, Ministry of Commerce. Lately, he has been appointed to be a member of Performance Appraisal Committee for State Own Enterprises, Ministry of Finance.



Dr. Nawal Kamel

*Visiting Professor, Faculty of Economics,
Chulalongkorn University, Thailand.*

Nawal is a Visiting Professor at the Faculty of Economics, Chulalongkorn University, Bangkok. Until recently, she was a Director at the World Bank, in Washington DC, a position she had held since 1995. During her career within the World Bank, Nawal created and led a number of key innovative initiatives, pioneering new ideas for the institution to deliver its mission. These include the debt reduction scheme for the forty poorest countries in the world; the creation of a financial instrument for the Bank to provide grants to civil society organizations; and the formulation of a commodity price insurance scheme to protect countries heavily dependent on commodities exports from fluctuations in international commodity prices.

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, she has also held for three years the position of Chief Economist at the Export Development Corporation in Ottawa, a crown corporation established to support Canadian exporters and importers.

Finally, as part of her contribution to her country of origin, Nawal was the founding Executive Director of the Sawiris Foundation for Social Development, the first private Foundation in Egypt dedicated to social development, with an initial endowment from a prominent Egyptian family. The Foundation is still running, and has delivered numerous projects geared towards job creation.

Nawal holds a doctorate in Mathematics from the Sorbonne (Paris) and a doctorate in Economics from Oxford (UK).



Dr. Thierry Lefèvre

*Professor and Director, Centre for Energy-Environment
Resources Development (CEERD), Thailand.*

Dr. Thierry Lefèvre is the Director of the Centre for Energy Environment Resources Development – Foundation (CEERD-F) based in Bangkok, Thailand. Between 1991 and 2002, he was the Director of the Center for Energy-Environment Research & Development based at the Asian Institute of Technology (AIT), Bangkok, Thailand, which he founded in 1991. CEERD conducts activities and research on energy-environment economics, planning, modeling, policy, markets, and technology in the framework of national and international cooperation projects to strengthen the capacity of national governments in Asia and the Pacific for energy-environment planning and policy formulation. Prof. Lefevre has 42 years of international experience in teaching and research activities on above fields of expertise. He has been responsible for the management and implementation of a large number of major research and development projects in his field of expertise with national, international and multilateral agencies, and he has published many papers, articles, books and/or parts of books. Dr. T. Lefèvre received his Master and PhD degrees from the University Paul Sabatier, Toulouse, France. He has also an Electronic and Mechanical Engineering degree from Paris, France, and a Master in Business Administration from the University Simon Bolivar, Caracas, Venezuela. He is currently member of the “APEREC Advisory Board” (Tokyo, Japan). He is a Member of the Advisory Board of the Helmholtz Research School on Energy Scenarios of the University of Karlsruhe, Germany. He was member of the “IAEA DECADE’s Programme Steering Committee” (Vienna, Austria). He is also member of Professional Societies such as the “Siam Society of Thailand”, the “Foreign Correspondent Club of Thailand”, the “Venezuelan Association for the Advancement of Science” (Caracas, Venezuela), and the “International Network of Small Hydro Power” (Hangzhou, China).