

ISES 2012: Speakers & Moderators Profile

7 NOV 2012

Session 2: Policy Updates from Malaysia

Dato' Hj Badaruddin bin Mahyudin, Deputy Sec-Gen, KeTTHA



Dato' Hj. Badaruddin Mahyudin is currently Deputy Secretary General (Energy), Ministry of Energy, Green Technology and Water (MEGTW) and has been 3 years with MEGTW. He joined the Administrative and Diplomatic Service in 1984 and was attached to the Ministry of Education for his first posting where he served for 5 years. In 1989 he was transferred to Economic Planning Unit, Prime's Minister Department until 1994 he was transferred to Institute of Development and Planning Management. After that in 1996 he was transferred to Ministry of Domestic Trade and Consumer Affairs and in 2003 he joined Railway Asset Corporation, Ministry of Transportation and

followed by 2005 he joined Ministry of Natural Resources and Environment. He graduated in 1981 from Universiti Kebangsaan Malaysia with Bachelor of Arts (Hons) and possesses Master of Arts (Development Administration & Management) from University of Manchester, England in 1996.

Pn Badriyah Abdul Malek, Chief Executive Officer, SEDA Malaysia



Puan Badriyah Hj. Abd Malek graduated in 1984 from Universiti Kebangsaan Malaysia with Bachelor of Science (Hons). She joined the Administrative and Diplomatic Service in 1988 and was attached to the Treasury for her first posting where she served for more than 5 years before furthering her studies in 1993. Upon returning she was posted to the Ministry of Science, Technology and Innovation formerly known as Ministry of Science, Technology and Environment. In 2000 she was transferred to the Public Service Department and joined the Ministry of Energy, Water and Communications in 2004. She was posted to the Water Services Division and was involved in

the Restructuring of Water Service Industry in Malaysia, a major exercise undertaken by MEWC beginning June 2004. In May 2007, Puan Badriyah was posted as the Undersecretary of Sustainable Energy of Ministry of Energy, Green Technology and Water. From the Ministry, Puan Badriyah was instrumental in facilitating the preparation of both the Renewable Energy and Sustainable Energy Development Authority Bills which were later passed in Parliament at the end of April 2011.

Session 3: International Case Studies: Strategies for Achieving Sustainable Energy

Dr Pola Singh, Member of Authority, SEDA Malaysia



Dr Pola Singh was appointed as a Member of SEDA Malaysia on 1st September 2011. He was the Director General of the Maritime Institute of Malaysia (MIMA) until end of July 2011. Dr Pola Singh has vast experience in energy-related fields. He was the consultant to several of DANCED-funded energy projects such as the Ramboll's project from 2000 to 2002 and Dansk Energi Management from 1999 to 2000. Dr Pola Singh was also the Deputy Director of Energy Section, Economic Planning Unit from 1995 to 1998. At the international front, Dr Pola Singh was the Head of the Initiative for ASEAN Integration Unit at the ASEAN Secretariat, an international organisation servicing the needs of the ten member countries of South East Asia from 2002 to 2006. Dr Pola Singh graduated in Applied Economics from the University of Malaya in 1972. In 1983, he earned his MBA in Transportation from the University of Alabama and his PhD in Marketing from the University of Alabama, USA in 1992.

Dr. Winfried Hoffman (Germany), President, European Photovoltaic Industry Association (EPIA), Member of the Supervisory Board of SMA Solar Technology AG



Dr. Winfried Hoffmann, Ph.D. is currently the President of European Photovoltaic Industry Association (EPIA). Dr. Hoffmann has been the Managing Director of SMA Solar Technology AG since April 30, 2008 and the Chief Technology Officer of Solar Business Group and Member of Management Board of Applied Materials GmbH since April 2, 2007. He also served as the Chief Executive Officer of SCHOTT Solar GmbH and the Manager of RWE SCHOTT Solar. He is a solar industry veteran with nearly 30 years of experience. He began his career at NUKEM's solar division in 1979 and took over its leadership in 1985. In 1994, he formed the photovoltaic joint venture between NUKEM and Daimler-Benz Aerospace and became managing director of ASE (Applied Solar Energy) GmbH and Chairman of the Board of ASE Americas after the acquisition of Mobil Solar. He serves as a Member of the Scientific Advisory Board of the Fraunhofer Institute for Solar Energy Systems (fhG-ISE) in Freiburg and a Member of the Supervisory Board of the Institute for Solar Energy Research (ISFH) in Hameln, Germany. He serves as the President of the European Photovoltaic Industry Association (EPIA) and his leadership role with the German Solar Industry Association (BSW). Dr. Hoffmann has a Doctorate degree in Physics from University of Freiburg, Germany.

Prof Hu Runqing, Energy Research Institute, China National Development & Reform Commission

Prof. Hu Runqing is an associate research professor of Center for Renewable Energy Development, Energy Research Institute, National Development and Reform Commission (NDRC), the member of Council of Chinese Renewable Energy Society. She was the project national coordinator of NDRC/UN Foundation project “Expansion and Improvement of Solar Water Heating Technology in China” during 2002 to 2007 in her part time. She has engaged in the renewable energy research since 1989, her research focus on renewable energy policy, industry development, technology assessment and economic assessment. In recent years, she was responsible for some research projects, including new energy demonstration city research, solar PV incentive policy research, incentive policy for renewable energy industry development, LCA energy recycle period research for PV system, biomass energy development road map research, co-firing biomass generation incentive policy research.



Ms Karen Forsten, Director, Renewable Integration, Operations & Planning Power Delivery & Utilization, Electric Power Research Institute.



Karen R. Forsten is the Director of Renewable Integration, Operations, Planning & Critical Power in the Power Delivery and Utilization (PDU) sector at the Electric Power Research Institute (EPRI). Ms. Forsten joined EPRI at its Power Electronics Applications Center (PEAC) in 1995 as a technical marketing specialist. She has also served previously with EPRI Solutions as an engineering project manager, Manager of Technical Transfer Services, and Director of Operations. Prior to joining EPRI, Ms. Forsten worked at Florida Power & Light in a number of engineering roles as well as TVA’s Watts Bar Nuclear Plant. Ms. Forsten received her BEE (electrical engineering) degree from Auburn University in Alabama and is an active IEEE member.

Dr. Prasert Sinsukprasert, Dept. of Alternative Energy Development and Efficiency, Ministry of Energy



Dr. Prasert Sinsukprasert is currently the Director of Planning Division, Department of Alternative Energy Development and Efficiency (DEDE) at the Ministry of Energy, Thailand with over 13 years of experiences. He is responsible for planning, budget allocation, monitoring and evaluation of all departmental activities and overall performance of Energy Efficiency and Alternative Energy. Prior to joining the Ministry of Energy, Dr. Prasert worked as Energy Researcher in the Asia Technical Department at the World Bank, Washington DC, USA and co-produced two publications on Energy Pricing Policies and Energy Profiles in Asian countries. Dr. Prasert holds a Bachelor Degree in Electrical Engineering from Chulalongkorn University, Master Degree in Power and Energy Conversion from George Washington University in Washington DC, and both Master and Doctoral Degrees in Energy Management and Policy from the University of Pennsylvania in Philadelphia, USA.

8th November 2012

Session 1: Financing for Sustainable Energy Projects

Dato' Mohd Salleh Bin Mahmud, Member of Authority, SEDA Malaysia



Y. Bhg. Dato' Mohd Salleh bin Mahmud was appointed as a Member of SEDA Malaysia on 1st September 2011. Y. Bhg. Dato' Mohd Salleh graduated with a Bachelor of Economics Degree in Accounting in 1975. He obtained his Masters in Business Administration from University Kebangsaan Malaysia. He started his career in 1976 in the Foreign Investment Committee, Economic Planning Unit of Prime Minister's Department before being transferred to Telekom Department in year 1980 as a Senior Accountant. He was made a Director of Pensions Division, Public Services Department in 1991. Y. Bhg. Dato' Mohd Salleh was later appointed to be the Deputy Accountant General (Operations) from 1996 till March 2000, Deputy Accountant General (Management) from April 2000 till March 2005 before being appointed as Accountant General of Malaysia in March 2005. In February 2009, Y. Bhg. Dato' Mohd Salleh was conferred honorary membership of CPA Australia.

Mr. Anthony Jude, Director, Energy Division, Southeast Asia Department, Asian Development Bank.

Mr. Anthony J. Jude is presently the Director of Energy Division in the Southeast Asia Department of Asian Development Bank. He is responsible for overseeing the design and implementation of energy projects (power generation, transmission, distribution, energy efficiency, and renewable energy) in the Southeast Asia (SEA) Region. He has worked for over 20 years with ADB in various positions, including Director of Energy and Transport Division. As the Director of Energy Division, he oversees the implementation of over \$3.0 billion of on-going infrastructure projects in the energy sector, and the preparation of \$1.5 billion in new investments for ADB Management approval in 2012. Graduated in Bachelor of Technology in Mechanical Engineering and Master of Engineering in Energy Technology (Energy Policy and Planning).



Thomas Pang, CEO Keppel Infrastructure Fund Management



Mr. Thomas Pang is the CEO of Keppel Infrastructure Fund Management (KIFM), Trustee-Manager of K-Green Trust (KGT). KGT is a business trust listed on the Main Board of Singapore Stock Exchange. KGT currently owns two waste-to-energy plants and one water recycling plant located in Singapore. It is mandated to invest in "green" infrastructure assets, namely waste management, water and wastewater treatment, renewable energy and energy efficiency; with an initial focus on Europe, Asia and the Middle East. Prior to joining KIFM, Thomas was the General Manager (Corporate Development) at Keppel Offshore & Marine Ltd and oversaw the investment, mergers and acquisitions and strategic planning. He holds a Bachelor of Arts degree and a Master of Arts degree from Cambridge University.

Dr. Pushkala Lakshmi Ratan, *Regional Vice President, Renewable Energy, Industry Services, TÜV SÜD Asia Pacific.*



Dr. Pushkala Lakshmi Ratan is the Regional Vice President of TÜV SÜD's renewable energy business unit for Asia Pacific, spearheading the group's growth in 15 countries across the region. Well-versed in the nuances of the international renewable energy market, Dr. Ratan's key roles include diversifying the group's renewable energy business, devising strategies and building TÜV SÜD's capacities to drive its expansion. Prior to joining TÜV SÜD, Dr. Ratan was the Vice President of Environmental Financial Products and Renewable Energy

Structuring for Deutsche Bank AG in Singapore where she managed the businesses for India and South East Asia. She was instrumental in the Bank's achievement in garnering the accolade of being the no. 1 emissions business in 2008 and 2009 globally. Her project experience included those related to waste to energy plants, renewable energy, biofuels, as well as non-renewable energy such as natural gas and clean coal technologies. Dr. Ratan holds a Ph.D from the Indian Institute of Technology Madras in Chennai, India and a Master's Degree from The American University in Washington D.C, U.S.A.

Kamari Zaman Juhari, *Director (Development Finance and Enterprise), Bank Negara Malaysia.*

Mr. Kamari Zaman Juhari is currently the Director of Development Financial and Enterprise Department, Bank Negara Malaysia. The department is responsible to foster the development of robust and progressive Development Financial Institutions, and to develop competitive SMEs in achieving socio-economic objectives of the country. Mr. Kamari Zaman Juhari joined the Bank in 1982 with a Bachelor's Degree in Resource Economics from University Putra Malaysia and was later gaining his Mason Fellowship upon graduation in Master on Public Administration from Harvard in 1990.



In 1992, he was appointed as the Head of Offshore Unit in Labuan and then in the same year resuming the position as Chief Forex Trader until 1996. He was also served as Deputy General Manager in Labuan Development Authority until 1999. He was then moved back to the Bank and assuming a position as Head of SME Special Unit, and later in 2000 moving up to a higher level designation as Director of Special Investigation Unit, 2000-2004, Director of Human Resource Department, 2004-2007 and finally settles in the current department since 2008.

Mr. Hannes Behacker, Senior Vice President Q-Cells (APME), Q-Cells SE



Mr. Hannes Behacker currently is senior Vice President of Q-Cells Asia Pacific Middle East (APME), Q-Cells SE. he has been with Q-Cells for 5 years starting from 2008 as a Head of Strategic Planning. He is a graduate from University of Chicago GSB, HHL Leipzig Graduate School of Business, TU Ilmenau. He is also fluent in four languages namely German, English, French and Russian.

Session 2: The Technology Landscape for Renewables & Energy Efficiency

Dato' Kok Soo Chan, Member of Authority SEDA Malaysia



Y. Bhg. Dato' Kok Soo Chan was appointed as a Member of SEDA Malaysia on 1st September 2011. Since 1974, Dato' Kok held a number of key posts within Jabatan Kerja Raya as an electrical engineer and in 1990, Dato' Kok was seconded to the Department of Electricity Supply (JBE, now Suruhanjaya Tenaga) as the Director of Northern Region (Perak, Penang, Kedah & Perlis). In 1992, he assumed the post of Director of Operations, JBE Headquarters where he was responsible for the drafting and enactment of the Electricity Regulations 1993 and also the Grid Code. Dato' Kok graduated with a degree in electrical engineering from the University of Malaya in 1974 and is a Professional Engineer (P Eng) registered with the Board of Engineers (BEM), Malaysia. Dato' Kok also obtained his LLB (Hons) from University of London in 1990 and holds a Certificate of Legal Practice (CLP), Malaysia.

Dr Vladimir Kercan, the Managing Director of Turbo Institute



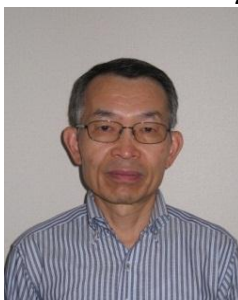
Dr.Vladimir Kercan has more than 35 years of experience in hydropower development and hydraulic machines research, testing, production and commissioning. He has more than 30 years of experience in research and high technology production company management. Graduated in Mechanical Engineering from the University of Rijeka in 1975, he then obtained a M.Sc. degree in Mechanical Engineering at the University of Ljubljana in 1979 and doctoral degree at the University of Rijeka in 2001. From 1975, he has worked for Turboinštitut d.d., specialising in turbine model research, development and testing, turbine field testing and in dynamic behaviour analyses of hydraulic machinery. From 1984-88 he served as head of the turbine research and development department. Since 1982 he has been serving as its Managing Director. His experience is based on direct involvement and responsibility for turbine research and development, model testing in the laboratory and site, hydropower planning and development and development of international business relations. In last decade he in mostly involved in small hydro development and small hydro equipment design and manufacturing.

Ir Mukhtar Che Ali, Construction Industry Development Board, Bahagian Kualiti Keselamatan & Alam Sekitar



Ir. Mukhtar Che Ali is currently General Manager, Safety, Health, Environment & Quality Division, Technology Development & Innovation Sector, Construction Industry Development Board (CIDB) and has been with CIDB for 12 years. Prior to joining CIDB, Ir. Mukhtar Che Ali worked as Assistant Director (Technical) for Farmers' Organisation Authority Malaysia on 1982 to 1997 before joining CIDB. Graduated in Agriculture Engineering from the University Putra Malaysia in 1982, he then obtained Masters degree in Construction Engineering at the University of Technology Malaysia in 2010. In 2007 he obtained Certified Project Management Professional.

Mr. Hiroshi Shibuya, Energy Conservation Center Japan



Mr. Hiroshi Shibuya is presently the Expert Advisor for Energy Conservation Center Japan (ECCJ) from 2002 until now. Started his career with Mitsubishi Oil. Co. Ltd on 1968 to 2000. After that on 2000 to 2002 he was with Nisseki Ryoyu Engineering Co. Ltd. He also participated in the National Energy Efficiency Master Plan (NEEMP) study for Malaysia from 2009 to 2010. Graduated in Mechanical Engineering, Faculty of Science and Engineering from Waseda University, Japan.

Dr Peter Du Pont, Vice President, Clean Energy - Nexant Asia Ltd



Dr. Peter du Pont has 28 years experience developing sustainable energy and efficiency programs in the U.S. and Asia. His career has been focused on understanding how to design and implement effective policies, programs, and market-based initiatives. Since 1989, he has worked extensively throughout the Asia region, in NGO, private-sector, and government-sector organizations to design and advise on the implementation of clean energy strategies and initiatives. Dr. du Pont has developed national energy-saving plans for Thailand and Vietnam; has directed an international non-profit organization working on energy efficiency issues; has served as Secretariat to APEC's Expert Group on Energy Efficiency and Conservation; and during 2006-2011 led the USAID ECO-Asia Clean Development and Climate Program (ECO-Asia). While managing ECO-Asia, he spearheaded the expansion of the Private Financing Advisory Network (PFAN) into four countries in Asia – China, India, Indonesia, and the Philippines. He currently manages the development of Nexant's clean energy business in the Asia region, focusing on technology assessments, technical due diligence of clean energy projects, and improving policy and regulatory frameworks.

Dr Shawn Qu, Founder, CEO, Canadian Solar Inc.



Dr. Shawn Qu, Xiaohua founded Canadian Solar, Inc., in October 2001 and has been its Chairman of the Board, Chief Executive Officer and President since October 2001. Prior to joining Canadian Solar, Inc., Dr. Qu worked at ATS from 1998 to 2001, where he performed various responsibilities at ATS and at its subsidiaries in the solar power business, Matrix and Photowatt International S.A. including acting as Product Engineer, Director for silicon procurement, Director for solar Product Strategic Planning and Business Development and Technical Vice President (Asia Pacific) of Photowatt International S.A. From 1996 to 1998, Dr. Qu served as a Research Scientist at Ontario Power Generation Corp. (formerly Ontario Hydro), where he worked as a process leader in the development of Spheral Solartm technology, a next-generation solar technology. He has published research articles in academic journals such as IEEE Quantum Electronics, Applied Physics Letter and Physical Review. He has been Chairman and Director of Canadian Solar Inc. since October 2001. Dr. Qu was a Post Doctorate Research Fellow at University of Toronto focusing on semiconductor optical devices and solar cells.

Mr. Ron Shen, Vice President, APMEA (Sales), Suntech Power Holdings Ltd.

Mr. Rong Shen is the Vice President of the Asia Pacific, Middle East and Africa region (APMEA) of Suntech. Prior to that, he served as the sales director of APMEA since July, 2011. He is responsible for all aspects of sales and marketing for the region, including below listed terms. He is responsible for APMEA solar module sales, project bidding, PV plant joint development and customer relationship management, as well as co-working on product development. He is also involved in Market information collection for sales strategy setting, market development and customer oriented product improvement and setting, arranging and fulfilling team assignment.



Previously, he spent nearly 11 years working for the Alcatel-Lucent group as the General Manager of their overseas branches, Director of Sales for South East Asia, Director of Asia Pacific sales support and sales manager. With rich experience in sales management, Mr. Rong Shen has a good insight to photovoltaic outlook.



Mr. Yoshinori Nishiyama, Principal Engineer for Malaysia Biomass Power Business Development, Sumitomo Heavy Industries, Ltd Japan (SHI).

Mr. Yoshinori has 19 years as an Project Engineering Manager, Proposal Manager, R&D manager and Sales Manager in Energy and Environment Plant Division. Mr. Yoshinori also specializes in Engineering of Utility and Cogeneration Power plant to utilize Renewable/Biomass Energy and/or Coal. He is also a Japanese Government Registered Professional Engineer. Mr. Yoshinori graduated from Yamaguchi University Graduate School, having majored in Industrial Mechanical Engineering Master's Degree. After he completed his studies, Mr. Yoshinori joined Sumitomo Heavy Industries Ltd and is now managing marketing and setting-up business strategy of biomass power plant for Malaysia renewable energy.