



The Institution of Engineers, Malaysia

Bangunan Ingenieur, Lots 60/62, Jalan 52/4, Peti Surat 223, 46720 Petaling Jaya, Selangor Darul Ehsan
Tel: 03-79684001/2 Fax: 03-79577678 E-mail: sec@iem.org.my IEM Homepage: <http://www.myiem.org.my>

TALK ON NUCLEAR POWER & THE NUCLEAR FUEL CYCLE: A COMPREHENSIVE OVERVIEW & PROSPECTS IN MALAYSIA

(Organised by the Consulting Engineering Special Interest Group, IEM)
BEM Approved CPD/PDP Ref : IEM14/HQ/341/T with 2 CPD hours

Date : 7 October 2014 (Tuesday)
Time : 5.30 pm – 7.30 pm (*Refreshments will be served at 5.00 pm*)
Venue : TUS Lecture Room, Second Floor, 2nd Wisma IEM
Speaker : En. Jamal Khaer Ibrahim

SYNOPSIS

The Economic Transformation Programme (ETP) incorporates an Entry Point Project (EPP) No. 11 on Deploying Nuclear Energy for Power Generation under the Oil, Gas and Energy (OGE) sector. For this purpose, the Government has established the Malaysia Nuclear Power Corporation (MNPC) under the Prime Minister's Department, as a Nuclear Energy Programme Implementing Organisation (NEPIO) based on the recommendations of the International Atomic Energy Agency (IAEA). The IAEA has also identified 19 Infrastructure Issues that should be assessed for any country to consider the introduction of a nuclear power programme. This Talk will, thus, begin with a background of this EPP on nuclear power development under the ETP, and the establishment of MNPC, leading to a comprehensive overview of nuclear power and nuclear fuel cycle technologies, including their underlying 19 Infrastructure Issues, and the prospects for nuclear power development in Malaysia.

BIODATA OF SPEAKER

Jamal Khaer Ibrahim is a nuclear engineer with over 30 years of professional experience with the Malaysian Nuclear Agency (Nuclear Malaysia), before assuming his current position as the Director for Nuclear Power Programme Development at the Malaysia Nuclear Power Corporation (MNPC) in 2011. He graduated from the University of London, with a M.Sc. degree in Nuclear Reactor Science and Engineering from Queen Mary College in 1981, and also a B.Sc.(Eng) Hons. Degree in Mechanical Engineering from King's College in 1979.

At Nuclear Malaysia, he was the Director for Planning and International Relations from 2006 to 2011, after serving as a Special Officer for International Nuclear Policy in the Office of the Director General from 2002 to 2006, Senior Research Officer for Policy and Strategic Planning in the Planning and International Relations Division from 1995 to 2001, Head of the Reactor Department and also Reactor Manager from 1987 to 1995, and a Research Officer at the Reactor Department since joining Nuclear Malaysia in January 1981 until 1986. While serving in Nuclear Malaysia, he was also involved in the installation, commissioning, operation, maintenance, and management of its nuclear research reactor from 1982 to 1995, and subsequently in supporting the Ministry of Foreign Affairs and other agencies in managing multilateral and bilateral nuclear techno-political matters, including national liaison with the IAEA and the Comprehensive Nuclear Test-Ban Treaty Organization (CTBTO) from 1995 to 2011, during which he was also involved in the drafting and negotiation of the Treaty on the South-East Asia Nuclear Weapons-Free Zone (SEANWFZ). He was also responsible for coordinating and undertaking a series of nuclear power planning studies jointly between Nuclear Malaysia and Tenaga Nasional Berhad (TNB) from 1984 to 1995, and was directly involved in formulating the EPP on the nuclear power development under the ETP as a full time member of the National Key Economic Areas (NKEA) Laboratory organised by the Performance Management and Delivery Unit (PEMANDU) of the Prime Minister's Department in 2010.

In recognition of his experience in international nuclear techno-political matters, he was appointed by the then IAEA Director General, Dr. Mohamed El Baradei, as a member of an International Expert Group on Multilateral Approaches to the Nuclear Fuel Cycle in 2004-2005, and was also invited as an expert in the Core Consultancy Group for the formulation of Common User Considerations (CUC) for the Development and Deployment of Future Nuclear Energy Systems in Developing Countries under the International Project on Innovative Reactors and Nuclear Fuel Cycles (INPRO) of the IAEA in 2007-2008. He is currently also a member of Nuclear Energy Expert Group (NEEG) of the Council for Security Cooperation in the Asia Pacific (CSCAP), coordinated by the Pacific Forum Center for Strategic and International Studies (CSIS) in Honolulu.

Ir. Yim Hon Wa
Chairman
Consulting Engineering Special Interest Group, IEM

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- Students are however exempted. Your understanding is greatly appreciated.

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