



FREE HALF-DAY SEMINAR ON GREEN TRANSPORTATION

- Promoting Green Mobility Solutions in Conjunction with PJ City Day Celebration
8.15am-1.30pm, 21 June 2014 (Saturday) at MBPJ Banquet Hall, Petaling Jaya
(Jointly organized by the Institution of Engineers Malaysia and Majlis Bandaraya Petaling Jaya)



SYNOPSIS

The Institution of Engineers Malaysia (IEM) and Majlis Bandaraya Petaling Jaya (MBPJ) have signed a Memorandum Of Understanding (MOU) in 2013 for the IEM to help MBPJ tackle the three main problems of urbanization – transportation, flash floods and dengue. This seminar on "Green Transportation" is our 2nd program on transportation after signing of this MOU. The main objective of this seminar is to help create greater awareness on green mobility solutions and to promote them in Petaling Jaya. MBPJ wishes to establish a learned platform to engage all stakeholders in our Local Community in the formulation of sustainable urban transportation solutions for Petaling Jaya through dissemination of knowledge and Public Forum which are supported by the IEM.

In this program, we will have a key note paper on "**Sustainable Living and Electric Mobility Flagships Initiatives**" presented by **En. Mohamed Azrin Mohamed Ali**, Vice President (Built Environment) from the Malaysian Green Technology Corporation (GreenTech Malaysia) which is a not-for-profit organisation under the purview of the Ministry of Energy, Green Technology and Water Malaysia (KeTTHA). GreenTech Malaysia was set up in 1998 with a purpose to catalyse green technology deployment as Malaysia's strategic engine for socio-economic growth. GreenTech Malaysia aims to position the country as a hub for green technology by 2020 and subsequently transform Malaysia into a Green Community by 2030. En. Azrin will provide an update of current and future initiatives for both Sustainable Living and Electric Mobility Flagships. He will also share GreenTech Malaysia's efforts and experiences on the electric bus and electric mobility in general in his talk.

Local traffic engineer, **Ir Chin Kar Keong** from the IEM/Atur Trafik will be presenting his paper on "**Paradigm shift in Traffic Engineering for Green Transportation – the art of moving people not vehicles**". Ir Chin will describe how traffic engineers should look for creative engineering solutions to solve urban transportation woes. He will present some examples of good practices for green mobility.

Major (Rtd) Chan Chee Sin, Manager EV of AMDAC will present a paper titled "**Zero Emission For Everyone**". Major Chan will remind us that the energy we are using today are inherited from our ancestors and borrowed from our offspring, but do we realize that the human consumption of fossil energy today is 1 million times faster than the rate of their formation. With the dependency of fossil fuels increasing every year, we need to look elsewhere to supplement the energy used. He will highlight how AMDAC has set their sights in exploring new energy powered automobiles to ensure Malaysia automotive industry reduce dependency of fossil fuels and to reduce the Government burdens on fuel subsidies. With the introduction of Malaysia First Electric Bus in 2013, AMDAC has also set the benchmark of a clean and healthy automotive industry in Malaysia.

The program will end with a 30-minute Q& A Session to be moderated by MBPJ Councilor Ir Lee Suet Sen.

PROGRAMME

8:15 am – 9:00 am	Registration
9.00am – 9.05am 9.05am – 9.15am	Welcome Address by IEM Hon Secretary, Ir K Gunasagaran a/l Kristnan Opening Address by YBhg Representative of MBPJ
9.15am – 10.15am	Keynote Paper: "Sustainable Living and Electric Mobility Flagships Initiatives" (En. Mohamed Azrin Mohamed Ali, Vice President (Built Environment) GreenTech Malaysia)
10.15am - 11.00am	"Paradigm shift in Traffic Engineering for Green Transportation – the art of moving people not vehicles" (Ir Chin Kar Keong, Chairman HTETD IEM & MD Atur Trafik Sdn Bhd)
11.00am - 11.45am	"Zero Emission For Everyone" . (Major (Rtd) Chan Chee Sin, Manager EV of AMDAC)
11.45pm - 12.15pm	Questions & Answers (Moderated by Ir Lee Suet Sen, MBPJ Councilor)
12.15pm – 12.30pm	Closing Remarks by MBPJ & IEM.
12.30pm – 1.30pm	Tea (Lunch) & Networking Session/END

BRIEF CV OF SPEAKERS:



En. Mohamed Azrin Mohamed Ali joined the GreenTech Malaysia in July 2013, bringing with him over 17 years' experience in various fields including research and development, project management and implementation of high priority projects across a broad range of technology areas. Azrin's previous positions at TNB Research include Head of Green Technology and the Head of Strategic Planning, which were focused on undertaking research into the fields of electric vehicles (EVs), renewable energy (RE) and the hydrogen economy. He has guided teams in maintenance methodologies such as reliability centred maintenance (RCM), risk-based inspection (RBI) and condition-based maintenance (CBM). At GreenTech Malaysia he is currently Vice President (Built Environment) responsible for the application of green technology in buildings, towns, transportation and other urban infrastructures. .Academically, Azrin has earned a Master's degree in Information Technology for Manufacturing in addition to his Bachelor's degree in Electrical Engineering from the University of Warwick in the United Kingdom.



Ir Chin Kar Keong is Chairman Highway & Transport Engineering Technical Division IEM and a Council Member of the Intelligent Transport System Association of Malaysia. He is Managing Director of Atur Trafik Sdn Bhd and has 30 years of experience in areas of traffic and transportation modeling, analysis and transport master planning. He has worked on toll highway projects in Malaysia, Indonesia, India and Myanmar, conducted traffic and revenue studies for the ERL and KL Monorail Projects, provided inputs to national and regional planning studies such as National Highway Network Development Plan Review, National Physical Plan Review, KL City Plan 2020, etc and had submitted more than 200 TIA reports throughout Malaysia. Ir Chin obtained his Bachelor of Engineering (1982) and Master of Engineering (1984) degrees in Civil Engineering from Kyoto University, Japan. He had also attended post-graduate courses in Regional and Infrastructure Planning at the Royal Institute of Technology in Stockholm, Sweden from 1992-1994.



Major (Rtd) Chan Chee Sin graduated from Akademi Tentera Malaysia with B.E (Civil) in 2001 and obtained M.S Construction Management from Universiti Teknologi Malaysia in 2007. Major Chan was commissioned to the Royal Engineer Regiments where he served in three different designations, i.e. Troop Commander (8 Sqn Engineers, Mahkota Camp, Kluang), Instructor (Institut Kejuruteraan Medan Tentera Darat) and Staff Officer Grade 2 & 3 Technical (Royal Engineer Regiments Headquarters, MINDEF). He joined AMDAC (M) Sdn Bhd in Nov 2011 as Sales and Marketing Manager where he is involved directly in providing service to AMDAC broad customers base such as the Malaysia Army, Malaysia Air Force and the Fire and Rescue Department. He is currently the Trial and Operation Manager of AMDAC EV Division, overlooking the eBus trial with Rapid KL and Panorama Melaka besides handling the daily operational aspects of the eBus in Malaysia. He had attended the Electric Bus Operation and Maintenance Course in BYD Headquarters in Shenzhen, China.

CPD HOURS CONFIRMATION	
Name	:
Membership No.	:
Signature	:

<p>BEM Approved</p> <p>CPD/PDP Hours: 3</p> <p>Ref No: IEM14/HQ/223S</p>
<p>FREE OF CHARGE</p>

Target groups to attend this seminar are Councilors in Selangor State, Directors of Engineering in Selangor Local Authorities, Officers of Engineering Department for MBPJ, Resident Associations/Rukun Tetangga PJ, Engineers from IEM, etc.