JURUTERA
Number 4, April 2010 IEM Registered on 1 May 1959

MAJLIS BAGI SESI 2009/2010 (IEM COUNCIL SESSION 2009/2010)

YANG DIPERTUA / PRESIDENT:
Y. Bhg. Dato' Ir. Prof. Dr Chuah Hean Teik

TIMBALAN YANG DIPERTUA / DEPUTY PRESIDENT:
Ir. Chen Kim Kieong, Vincent

NAIB YANG DIPERTUA / VICE PRESIDENTS:
Ir. P. E. Chong, Ir. Choo Kok Beng, Ir. Oon Chee Kheng, Ir. M. C. Hee, Ir. Lee Weng Onn, Y. Bhg. Datuk Ir. Rosaline Ganendra, Ir. Yim Hon Wa

SETIAUSAHA KEHORMAT / HONORARY SECRETARY:
Ir. Assoc. Prof. Dr Chiang Choong Luin, Jeffrey

BENDAHARI KEHORMAT / HONORARY TREASURER:
Ir. Tan Yean Chin

WAKIL AWAM / CIVIL REPRESENTATIVE:
Ir. Dr Mohd. Zamin bin Jumaat

WAKIL MEKANIKAL / MECHANICAL REPRESENTATIVE:
Ir. Tan Chee Lin @ Tan Ah Kow, Phillip

WAKIL ELEKTRIK / ELECTRICAL REPRESENTATIVE:
Ir. Yusouf bin Ahmad

WAKIL STRUKTUR / STRUCTURAL REPRESENTATIVE:
Ir. Tu Yong Eng

WAKIL KIMIA DAN DISIPLIN LAIN / CHEMICAL AND OTHERS REPRESENTATIVE:
Ir. Razmahwata bin Mohamad Razalli

AHLI MAJLIS / COUNCIL MEMBERS:
Ir. Tunai Shamsidi bin Ahmad, Ir. Prof. Dr Chung Boon Kuan, Ir. Gunasagaran a/l Kristnan, Ir. Khor Hock Keat, Ir. Mohd Aman bin Haji Idris, Ir. Ng Yong Kong, Ir. Ong Ching Loon, Ir. Dr Tan Kuang Leong, Ir. Toh Ai Ching, Ir. Ishak bin Abdul Rahman, Ir. Ivan Tan Chee Yen, Ir. S. Kukanesan, Ir. Lai Sze Ching, Ir. Manogaran a/l K.Raman, Ir. Prof. Dr Lee Teang Shui, Ir. Li Thang Fai, Ir. Prof. Dr Mohd Saleh bin Jaafar, Ir. Noor Hisham bin Yahaya, Ir. Prof. Dr Lee Sze Wei, Ir. Prof. Dr Ruslan bin Hassan, Ir. Yee Yew Weng, Ir. Mah Soo, Ir. Dr Ahmad Anuar bin Othman, Y. Bhg. Dato' Ir. Haji. Abdul Rashid bin Maidin, Ir. Yau Chau Fong, Ir. Wong Chee Fui, Ir. Mohd Khir bin Muhammad, Y. Bhg Dato' Ir. Haji Mohd. Isa bin Haji Sarman

AHLI MAJLIS / COUNCIL MEMBERS (BY APPOINTMENT):
Y. Bhg. Dato Ir. Hj Ahmad Husaini bin Sulaiman, Y. Bhg. Dato Ir. (Dr) Seo Kian Haw, Andy, Y. Bhg. Dato' Dr Ir. Gan Thian Leong

BEKAS YANG DIPERTUA TERAKHIR / IMMEDIATE PAST PRESIDENT:
Y. Bhg. Dato' Paduka Ir. Prof. (Dr) Keizrul bin Abdullah

BEKAS YANG DIPERTUA / PAST PRESIDENTS:
Y. Bhg. Dato' Ir. Pang Leong Hoon, Y. Bhg. Academician Dato' Ir. Lee Yee Cheong, Y. Bhg. Dato' Ir. (Dr) Haji Ahmad Zaidee bin Laidin, Y. Bhg. Datuk Ir. Prof. Dr Ow Chee Sheng, Ir. Dr Gue See Sew

PENGERUSI CAWANGAN / BRANCH CHAIRMAN:
1. Pulau Pinang – Ir. Lim Kok Khong
2. Selatan – Ir. Sim Tian Liang
3. Perak – Ir. Dr Ganeindran a/l Sinnathamby
4. Kedah-Perlis – Ir. Haji Abdullah bin Othman
5. Negeri Sembilan – Ir. Haji Baharuddin bin Ahmad Nasir
6. Timur – Ir. Haji Roslan bin Abdul Azis
7. Terengganu – Ir. Haji Rusli bin Embok
8. Melaka – Ir. Mohamad Ariff bin Haji A. Karim
9. Sarawak – Ir. Dr John Panil
10. Sabah – Ir. Teo Chee Kong
11. Miri – Ir. Ting Kang Ngii, Peter

AHLI JAWATANKUASA INFORMASI DAN PENERBITAN / STANDING COMMITTEE ON INFORMATION AND PUBLICATIONS 2009/2010:
Pengerusi/Chairman: Ir. Oon Chee Kheng
Naib Pengerusi/Vice Chairman: Ir. Mohd. Khir bin Muhammad
Setiausaha/Secretary: Ir. Lau Tai Onn
Ketua Pengarang / Chief Editor: Ir. Oon Chee Kheng
Pengarang Buletin / Bulletin Editor: Engr. Dr Yeoh Hak Koon
Pengerusi Perpustakaan/Library Chairman: Ir. C.M.M. Aboobucker
Ahli-Ahli/Committee Members: Ir. Chin Mee Poon, Ir. Haji Look Keman bin Sahari, Ir. Prof. Dr Mohd. Saleh bin Jaafar, Ir. Yee Thien Seng, Ir. Assoc. Prof. Dr Arazi bin Idrus, Ir. Yee Yew Weng, Ir. Tu Yong Eng, Ir. Prof. Dr Mohd. Zamin bin Jumaat, Ir. Prof. Dr Hajjah Siti Hawa binti Hamzah, Ir. Dr Chong Chien Fatt, Ir. Mohd. Aman bin Haji Idris, Engr. Dr Khairur Rijal bin Jamaludin, Engr. Abi Sofian bin Abdul Hamid

LEMBAGA PENGARANG /EDITORIAL BOARD 2009/2010:
Ketua Pengarang / Chief Editor: Ir. Oon Chee Kheng
Pengarang Buletin / Bulletin Editor: Engr. Dr Yeoh Hak Koon
Pengarang (Jurnal)/Journal Editor: Ir. Assoc. Prof. Dr Muhammad Azmi bin Ayub
Ahli-Ahli/Committee Members: Ir. Lau Tai Onn, Ir. Haji Look Keman bin Sahari, Ir. Chin Mee Poon, Ir. Yee Thien Seng, Ir. Prof. Dr Mohd. Saleh bin Jaafar, Ir. Yee Yew Weng, Ir. Assoc. Prof. Dr Arazi bin Idrus, Engr. Abi Sofian bin Abdul Hamid

AHLI JAWATANKUASA JURNAL / SUB-COMMITTEE ON JOURNAL 2009/2010:
Pengerusi/Chairman: Ir. Assoc. Prof. Dr Muhammad Azmi bin Ayub
Setiausaha/Secretary: Engr. Dr Khairur Rijal bin Jamaludin
Penasihat/Advisor: Ir. Assoc. Prof. Dr Haji Aminuddin bin Mohd. Baki
Ahli-Ahli/Committee Member: Ir. Engr. Dr Hajjah Nor Hayati binti Abdul Hamid, Assoc. Prof. Dr Zubaidah binti Ismail, Ir. Dr Ramlee bin Karim, Dr Saad Mekhilef, Engr. Assoc. Prof. Dr Luqman Chuah bin Abdullah, Dr Raja Syamsul Azmir bin Raja Abdullah, Ir. Prof. Dr Junaidah binti Ariffin, Ir. Ahmad Rasdan bin Ismail, Ir. Prof. Dr Mohd. Saleh bin Jaafar, Ir. Assoc. Prof. Dr Arazi bin Idrus, Ir. Lim Kim Ten

IEM Secretariat: Nor Aziah Budin, Nurul Aida Mustafa

THE INSTITUTION OF ENGINEERS, MALAYSIA
Bangunan Ingenieur, Lots 60 & 62, Jalan 52/4, P.O.Box 223, (Jalan Sultan) 46720 Petaling Jaya, Selangor Darul Ehsan.
Tel: 603-7968 4001/4002 Fax: 603-7957 7678 E-mail: sec@iem.org.my Homepage: http://www.iem.org.my

Opportunities Down South

by ***Ir. Sim Tian Liang***
Chairman, IEM Southern Branch

THE role of engineers as the prime movers for the development of the country as well as the improvement of the people's lifestyle is challenging but fulfilling for engineers. The trust that the public placed upon us has compelled us to deliver with utmost professionalism and vigilance.

In any engineering endeavour, engineers, besides being conversant in applying engineering principles, must also consider the safety, environmental and sustainability aspects of a project. Greener and eco-friendly technology is being utilised to achieve a balanced and sustainable development on this Earth in years to come. To save the world from global warming, the adoption of strategies to reduce carbon emission, promotion of alternative greener energy and proper waste management is postulated.

In the southern part of the Peninsular Malaysia, the Iskandar Development Region (IDR) is experiencing a tremendous transformation into a modern and world class metropolitan city adopting some of the principles stated above. An estimated RM360 billion worth of investments are expected to be raised for the physical, urban and industrial development of the region over 20 years.

The industrial development with emphasis in new industries requiring highly skilled labour and new technologies are transforming the region's economic base towards a knowledge-based economy (k-economy). Hi-technology parks are planned for industries involving biotechnology, biomedical, biochemical, and information and communication technology. An animation theme park, aviation logistics hub, EduCity and facilities to stimulate medical tourism are to be set up in this region.

Henceforth, the services of engineers of various disciplines are in great demand here. There are many job opportunities for engineering consulting firms, construction firms and other engineering related companies, and some of the firms are benefiting from the development now. It is envisaged that one-stop multi-disciplined consulting firms would have an edge in providing services from planning to implementation of projects for the multinational corporations (MNC) investing in this region.

Engineers are known to be the real wealth creators because of their innovativeness and entrepreneurship. The application of engineering principles and knowledge by engineers into physical development or products have not only created employment but also comfort to the society at large. Many of the top companies in the world are engineering firms such as General Motors, Microsoft Corporation and Nokia. The IDR offers us ample opportunities for us to attest our reputation. ■