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To All Members, Date: 12 December 2006

CANDIDATES APPROVED TO SIT FOR YEAR 2006 PROFESSIONAL INTERVIEW

The following candidates have been approved to sit for the Professional Interview for 2007.

In accordance with Bylaws 3.7, the undermentioned names are published as having applied for membership of the Institution, subject to passing the year 2007 Professional Interview.

If any Corporate Member of the Institution has any reason as to why any of the candidates is not a fit and proper person for election, he should communicate in writing to the Hon. Secretary. Such communication should be lodged a month from the date of publication.

Engr. Oon Chee Kheng, F.I.E.M., P.Eng.
Honorary Secretary, IEM

TRANSFER APPLICANTS

Membership No	Name	Qualifications
	CHEMICAL ENGINEERING	
19993	CHEW CHUN MING	BE (HONS) (MALAYA) (CHEM, 01)
	CIVIL ENGINEERING	
21693	AHMAD SHUKRI BIN ABD RASHID	BE (HONS) (UTM) (CIVIL, 00)
20909	CHOW WEE JIN	BE (HONS) (UPM) (CIVIL, 99)
22632	HUAN KOK YIN	BSc (OKLAHOMA) (CIVIL, 99)
18934	MD AZMAN BIN HUSSIN	BE (HONS) (UTM) (CIVIL, 98) ME (UTM) (CIVIL, 01)
	ELECTRICAL ENGINEERING	
21911	KOH WEI JIN	PART II (IEM / BEM) (ELECT, 03) BE (HONS) (HERTFORDSHIRE) (ELECT & E'TRONIC, 00)
23212	KOH LAY CHAI, ERIC	BE (LAKEHEAD UNI., ONTARIO) (ELECT, 81)
	MECHANICAL ENGINEERING	
23212	MOHD FAIZ BIN SALIM	BE (HONS) (NOTTINGHAM) (MECH, 01)
18310	EDWARD JONG TIAN FUI	BE (HONS) (MONASH) (MECH, 95)

NEW APPLICANTS

Name	Qualifications
CHEMICAL ENGINEERING	
ABDUL AZIZ BIN ABDUL RAMAN	BE (HONS) (MALAYA) (CHEM, 89) MSc (MALAYA) (96)
CIVIL ENGINEERING	
ABU BAKAR BIN AHMAD	BE (HONS) (UTM) (CIVIL, 77)
ELECTRICAL ENGINEERING	
ABDUL AZIZ BIN HARUN	BSc (THAMES POLYTECH) (ELECT & E'TRONIC, 86)
GANGATHARAN A / L SREEDHARAN	BE (HONS) (UPM) (ELECT & E'TRONIC, 99)
LEE CHOON WEI	BE (HONS) (SUSSEX) (ELECT & E'TRONIC, 96)
MECHANICAL ENGINEERING	
IZLAN BIN ISMAIL	BE (HONS) (UMIST) (MECH, 01)

ANNOUNCEMENT

To all Advertisers,

Please be informed that the existing agreement between IEM and the publisher, Dimension Publishing Sdn Bhd would be expiring in June 2007. Negotiations for renewal would be finalised by March 2007. All members and advertiser please take note.

Thank you.

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IEM DIARY OF EVENTS 2007

For further enquiries on the events below, please contact IEM Secretariat at 03-7968 4001/2 or visit IEM Homepage at http://www.iem.org.my

IEM Southern Branch Committee for Continual Education / G&S Section
12 - 13 JANUARY 2007
Time: 8.30 a.m. - 5.00 p.m.
2 Day Course on "Understanding Construction Contracts"
Speaker: Engr. Oon Chee Kheng
Mutiara Hotel, Johor Bahru

Engineering Education Technical Division
13 JANUARY 2007
Time: 9.00 a.m. - 11.00 a.m.
Talk on Roadmap to Statistical Tests
Speakers: Mr. Foo Kien Kheng, Ms. Leong Siow Hoo

Oil, Gas and Mining Technical Division
15 & 16 JANUARY 2007
Time: 8.00 a.m. - 5.00 p.m.
2 Days Course on Welding Process Equipment
ILSAS, Bandar Baru Bangi

Building Services Technical Division
19 JANUARY 2007
Time: 9.00 a.m. - 1.00 p.m.
Half-Day Seminar on "Soft Starting Technology for Pumps and Fans"
Speaker: Mr. Jesper Kristensson

Tunneling and Underground Space Technical Division
23 JANUARY 2007
5.30 p.m. - 7.30 p.m.
Talk on High Performance Microsilica Concrete in Tunnel and Structures
Speaker: Mr. Des King

Chemical Engineering Technical Division
26 JANUARY 2007
Time: 5.30 p.m.
Talk on Occupational and Environmental Medicine (OEM)
Speaker: Dr Abed bin Onn

Water Resources Technical Division
27 JANUARY 2007
Time: 9.00 a.m. - 1.00 p.m.
Half-Day Seminar on Ensuring the Safety of Dams
Speakers: Mr. Zulkhairi Abd. Talib, Mr. Mohd. Khainil Taib, Mr. Fauzan Hamzah, Engr. Punitha Rajan

Information Technology Special Interest Group (ITSIG)
29 JANUARY 2007
Time: 5.30 p.m. - 7.30 p.m.
Talk on Information Security Management System (ISMS) for the Professional Services Sector in Malaysia
Speaker: Engr. Tejinder Singh

Project Management Technical Division
10 FEBRUARY 2007
Time: 9.30 a.m. - 11.30 a.m.
"Project Management in Ship Repair and Ship Building - Experiences from Government Project Team Perspective"
Speaker: First Admiral Engr. Dato' Hj. Ahmad Murad b. Hj. Omar

CONFERENCE & SEMINAR

MALAYSIA

29 January 2007
NATIONAL CONFERENCE ON SUSTAINABILITY MALAYSIA 2007 (SM2007) – STREAMLINING DEVELOPMENT AND ENVIRONMENTAL PLANNING
Venue : Sime Darby Convention Centre, Bukit Kiara, KL
Organiser : ENSEARCH
Tel : +60 3 6156 9807 / 9808
Fax : +60 3 6156 9803
E-mail : admin@ensearch.org
Website : www.ensearch.org
(Invitation to Register)

29 January 2007
WORKSHOP ON STREAMLINING DEVELOPMENT AND ENVIRONMENTAL PLANNING
Venue : Sime Darby Convention Centre
Organiser : ENSEARCH
Tel : +60 3 6156 9807 / 9808
Fax : +60 3 6156 9803
E-mail : admin@ensearch.org
Website : www.ensearch.org

2 - 5 July 2007
WORLD HOUSING CONGRESS (WHC) 2007 - AFFORDABLE QUALITY HOUSING: GLOBAL CHALLENGES AND ISSUES IN THE PROVISION OF SHELTER FOR ALL
Venue : Primula Beach Resort, Kuala Terengganu, Terengganu
Organiser : UPM, FEIIC, Terengganu State Government
Tel : +60 3 8946 7850 / 7869
Fax : +60 3 8656 7129
E-mail : aaaa@eng.upm.edu.my / msj@eng.upm.edu.my / bujang@eng.upm.edu.my
(Call for Papers and Invitation to Register)

18 - 19 July 2007
CONFERENCE ON AUTOMATION AND COMPUTER NETWORKS (CACN 2007) – "EFFICIENCY THROUGH AUTOMATION AND DATA NETWORKS"
Venue : Kuala Lumpur Convention Centre, KL
Organiser: TEEAM
Tel : 03-9221 4417 / 9221 2091
Fax: 03-9221 8212
E-Mail: teeam@po.jaring.my
Website : www.teeam.com
(Call for Papers – by 30 December 2006)

18 - 21 July 2007
THE 7TH INTERNATIONAL EXHIBITION OF TRANSMISSION AND DISTRIBUTION AND ELECTRICAL ENGINEERING (ASEAN ELENEX 2007): POWERING FUTURE TRENDS AND TODAY'S SOLUTIONS
Venue : Kuala Lumpur Convention Centre, KL
Organiser: TNB
Tel : 03-4041 0311
Fax: 03-4043 7241
Website : www.aseanelenex.com

INDONESIA

7 - 9 July 2007
ASIA PACIFIC CONFERENCE ON ART, SCIENCE AND ENGINEERING TECHNOLOGY (ASPAC ON ASET'07)
Venue : Bali, Indonesia
Organiser : MASDALI (Indonesia Control Systems Society)
Tel / Fax : +62 022 2500960
E-mail : masdali@lskk.ee.itb.ac.id / masdali@yahoo.com
(Call for Papers - by 9 February 2007)

SAUDI ARABIA

7 - 11 April 2007
PROJECT MANAGEMENT CONFERENCE AND EXPO: FUTURE TRENDS IN PROJECT MANAGEMENT
Venue : King Fahd Cultural Centre, Riyadh, Saudi Arabia
Organiser: Saudi Council of Engineers
E-mail : masser@saudieng.org
Website : www.saudieng.org / pm

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CONGRATULATIONS

The Board and Management of The Institution would like to congratulate

Engr. Dr Gue See Sew, F.I.E.M., P.Eng.

for

being the first recipient of the new category awards on

"Construction Professional of the Year Award"

from

The Malaysian Construction Industry Excellence Awards 2006

presented by

Y.B. DATO' SERI S. SAMY VELLU,
The Minister of Works Malaysia

on

24 November 2006 (Friday)

at

Putra World Trade Centre (PWTC)

CONDOLENCES

With deep sadness, we announce the demise of the following members and wish to extend our condolences to their families. The Institution would like to thank them for their past support and contribution.

Membership No.	Name
M00830	Engr. Mah Guan Seng
M00926	Kulasingam a/l Appiah

CONGRATULATIONS

The Board and Management of The Institution would like to congratulate

Y. Bhg. Dato' Muhammad Imran bin Baharuddin,
F.I.E.M., P.Eng.
(Council Member of The Institution of Engineers, Malaysia)

on being conferred

"Darjah Indera Mahkota Pahang (D.I.M.P.)"

which carries the title "Dato"

by

His Royal Highness The Sultan of Negeri Pahang Darul Makmur,
Sultan Haji Ahmad Shah Al-Musta'in Billah Ibni Al-Marhum Sultan Abu Bakar Ri'ayatuddin Al-Mu'adzam Shah

in conjunction with

HIS ROYAL HIGHNESS SULTAN AHMAD SHAH'S
76th Birthday at the Istana Abu Bakar in Pekan, Pahang

on

11 December 2006 (Monday)

Membership Renewal Notice and Subscription for 2007

Please be informed that, in accordance with Bylaws Section 4.1 and 4.2, the annual subscription rates for 2007, which will become effective from 1 January 2007, are as follows:

FELLOW	: RM 220.00
MEMBER	: RM 130.00
INCORPORATED MEMBER:	: RM 130.00
AFFILIATE	: RM 130.00
GRADUATE, who on 1 January 2007	
- have attained the age of 30	: RM 130.00
- have not attained the age of 30	: RM 85.00
ASSOCIATE MEMBER	: RM 85.00
STUDENT, who on 1 January 2007	
- have attained the age of 30	: RM 130.00
- have attained the age of 24	: RM 85.00
- have attained the age of 24 and are bona fide students of institutions of higher learning	: RM 20.00
- have not attianed the age of 24	: RM 20.00

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Latest Technology – The Digital Control Panel for M&E Services in Buildings

By : Engr. Ng Yong Kong, *M.I.E.M., P.Eng.*

The speakers were Mr. Wong Mun Leong and Mr. Andes Quek Lim Seng.

The conventional remote starter panel and the in-efficiency of the remote panel was highlighted. In the implementation of a manual remote monitoring and control, 5 core cables may be required from the local control panel to the remote panel. If there are 10 numbers of the equipment or local control panels to be remotely control and monitor, then 10 x 5 cores of the cables may be required. This is inefficient and expensive.

In general, Building Automation Systems (BAS), optimises the start-up and performance of the building's M&E equipment (ACMV system) as well as alarm management, the BAS is use to optimise the start/stop of the equipment, putting in the scheduling to turning equipment on/off as required, to monitor the status by logging in the start/stop times and notifying the operator of failed equipment, the time of used and need for maintenance via the alarm reporting. The benefits of the BAS are as follow:

- improves occupant comfort
- maintenance management
- reduces energy use through optimal equipment scheduling and start/stop
- reduces time required to monitor and manage building operation
- allows support and diagnostics from remote location

Comparing the BAS Architecture with the new paradigm shift of BAS, the conventional BAS do use the intermediate hardware as the data gathering devices to feedback all the field data into the computer workstation at the control centre. Whereas new digital control controller digitise information at source, meaning that the digital data from the equipment starter communicate directly with the control centre without going through the interface panel. In other words, multiple pairs of the cables from the analog panel (conventionally) to the BAS Interfacing panel will be saved and replaced with twisted pair communication bus directly to the BAS gateway without any additional hardware required.

The reduction in overall up-front investment cost come from the saving of the BAS hardware and cabling infrastructure The new paradigm of using digital local control panel with BAS will reduce the investment cost.

Some of the features of using the digital local control panels are follow:

- With microcontroller, Digital LCP can operate in Manual/Automatic Computer/Automatic Schedule
- Digital Local Control Panel having its own microcontroller can time stamp alarm conditions into internal memory independent on the Central Computer
- Spare I/O Points
- With Peer to peer network, failure of one Local Control Panel would not affect the operations of others
- Peer to peer network of Digital Local Control Panels enable implementation of multi-master configuration using more than one Central Computer

The concept of digitisation is now new, as it is similar to SCS for CCTV, voice and data. The current BAS architecture (using Analog Local Control Panels) is not Efficient for the Cabling infrastructure and Hardware Cost, and that a New paradigm in BAS architecture using digital local control panels for M&E equipment will reduce the investment in BAS.

The second speaker gave a quick introduction of the traditional electromagnetic starters: Induction motors are traditionally started and stopped by applying and removing the supply. In some cases, a full voltage start is acceptable, but in some situations, the start current must be reduced, and so a reduced voltage starter is employed. Direct On Line comprises a switch contactor and a protection relay whereby the switch may be a manually operated load break switch, but more commonly it would be an electromagnetic contactor, which can be opened by the thermal overload relay. An Auto-transformer starter uses an auto-transformer to reduce the voltage applied to a motor during start. The Star Delta starter can only be used with a motor, which is rated for connection in delta operation at the required line voltage, and has both ends each of the three windings available individually.

For the basic techniques in selecting the correct motor starter: First, determined the form of operations, such as manual (Infrequent Starting) or automatic (Frequent Duty), then, confirm whether the motor is using Single Phase or Three Phases?, the capacity of the motor, in terms of kW/hp and the full load current (FLA) of the motor. If three Phase Starter is used, what type of duty is the starter required to perform? Is there a requirement for reduced voltage starting? Is the starter intended for local or automatic control?

A history of the Building Industry Focus was briefly mentioned. In the 1980s, people used technology to reduce the system cost, such as replacing the minicomputer to personal computer (PC) and introduce the direct digital Controller. In 1990s, people started to impose on system integration with standard network and protocol to improve the connectivity of the system. From now and beyond, technology change the people mindset and increase the people productivity and efficiency. Information Technology move digital control into realistic and Embedded control become the bread and butter of today's world, with system integrator as the support role, more and more M&E equipment manufacturer are putting in the technology to enhance their equipment capability. As such, the system architecture becomes simpler and straight forward.

The world is changing, information technology have much influence in our daily life. Digital camera, for example, has made us become more intelligent, as it provide the flexibility and conveniences to

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us. Digitisation have made ourself become more IT literate, as technology make possible for gigabytes data and information to be stored into a tiny CD, DVD or slim hard disk.

For starter panel in the building industry, the traditional electromechanical starters normally comprise of those discrete components, namely light bulbs, automatic/manual selector switches, start/stop push button, interposing relay, etc. for the control of the motor equipment. These control components will be than interlinked to the main starter component, such as the main magnetic contactors and the Thermal Overload Relay with the MCB serve as the safety device, and all are house inside the MS enclosure. We call this as "Analog Starter Panel".

In today practice, almost every piece of mechanical or electrical equipment in the building is using the "Analog Starter Panel". Timer is in-cooperated into the analog starter to make the panel more intelligent and could have some timing control. Different timing controls for that piece of equipment might need to have more than one timer to make it work. And, if the central control is a must to the building owner or operator, a intermediate hardware, such as programmable Logic Controller (PLC) or Direct Digital Controller (DDC) is need, and this PLC or DDC will act as the middle man to gather the data from the equipment and transmit back the status back to the central workstation, also, perform the specific control function as required by the system.

Today. ease of use, and flexibility of the system is the primary selection criteria. The building performance, how the implemented system affect the energy usage in the building, the operational point of view, and even, from the maintenance perspective, the system must keep the building in top efficiency. Initial investment, and long-term operations cost will be the most essential factors in selecting and operating the control system. The control system must help owner to save on initial investment cost, as well as saving in the long run, the operational cost, meaning that less people handling when system has been implemented. Last but not least, the system compatibility and interoperability with the right protocol must be given a priority in choosing a control system.

With the above concerns highlighted, building owners should think carefully in selecting a control system to implement into their building. Imagine that if the central control functions at the intermediate interface (PLC/DDC) could be built into the equipment starter panel, that two-in-one concept has been accomplished. This is how the digital starter panel comes about.

By changing the discrete components at the "Analog Starter Panel", whereby the local control functions is replaced by a microprocessor based Digital controller, the digital technology control is brought into the starter panel itself. This digital controller become the integrated processors that provide the basic functions that the "Analog Starter Panel" do i.e. have the auto/manual selection, with local on/off push button, and the status indication lights. But, it also provides the same functions as the PLC/DDC or even more.

With local intelligent built into the Local control panels, the overall system control of the BAS can be simplified as follows:

- Network-Enabled Local Control Panel can operate in following Modes: Off/Manual/Automatic Computer/Automatic Schedule
  - M&E equipment requiring Automatic Scheduling Mode (7 Day timer and Yearly Calendar) can be programmed into Local Control Panel. Operate independently from Central Computer
  - M&E equipment requiring Automatic Computer Mode can be controlled start/ stop from BAS network for optimum usage based upon occupancy
  - Failure of one Local Control Panel would not affect the operations of others
- Local Control Panel having its own microcontroller can time-stamp alarm conditions into internal memory independent on the Central Computer
- Peer to peer network of Local Control Panels enable implementation of multi-master
- Configuration using more than one Central Computer

At the same time, with digital control at the local control panel, extra benefits such as:

- Less Cabling and Termination Works
- Simple and Easy Installation
- Low Maintenance
- Easy Replacement
- Ease of Trouble-Shooting
- Automatic Controls
- History Database
- BAS Ready, No additional Hardware required

With Digital Starter Panel built to BAS ready, it provides the same functions and features that the building automation system does namely:

- It Gathers - It collects the operating information needed for your facilities, temperatures, equipment status, etc., from all over the building and this information will be available to the building operator without the need for personnel to make frequent inspection tours.

- It Adjusts - It responds to pre-programmed commands, adjusting and rectifying the condition of equipment by executing pre-programmed decision, e.g. turn air conditioning on and off by the pre-programmed schedules. Such commands can be overridden and executed manually by the operator at any time.

- It Informs - It act as single point of contact, it processes and displays this information at a single, central location. An operator can study what is going on anywhere in the building by just looking at the central monitor/display unit.

- It Notifies - It pin-points trouble anywhere in the building, alerting the operator immediately with an alarm indication when something goes wrong. In many cases immediate action can be taken from the operator's terminal.

- It Conserves Manpower - With Central Monitoring and Control, building operators spend their time in analysing and improving equipment performance, instead of endlessly walking tours to turn equipment on and off, checking and patrolling critical alarm points, inspecting installations and gathering data.

- It Reduces Operating Costs - With Central Monitoring and Control,

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your facilities, such as air-conditioning services and other energy consuming devices are automatically turned on and off when they should be. Proper time schedules will further prevent unnecessary usage of energy by cutting down the equipment operation time when needed.

- It Extends Equipment Life – Central Monitoring and Control System spots problems which they are still small and manageable. It can notify and alert the maintenance staff to service the air conditioning compressor, by totalising the run hour of the equipment, for example before the compressor going to failure and end up to un-repairable condition. This immediate alarm indication enables corrective action to be taken with minimal interruption to services.

- It Makes the Building Manager a Better Manager - Building Automation helps the men in charge to stay in charge by relieving him of most of the routine watchdog chores, allowing him more time to be devoted to evaluating conditions and making decisions.

The application of the digital control digital starter in the Air Conditioning equipment (AHU, FCU, DX, etc), ventilation fan, fresh air, exhaust air fans, pressurisation or fire fan services, plumbing pumps system and sanitary services were illustrated It is possible to use purely for the monitoring and control at the electrical services, such as the power monitoring, electrical status and trip alarm indication, lighting DB controls and in the vertical transportation services such as lift, escalator, etc.

The general architecture of the BAS schematic diagram comprising of a single loop or multiple loops hooking up and sharing using the common Ethernet Backbone was shown. ■

ANNOUNCEMENT

BOOK DONATED

MECHANICAL ENGINEERING TECHNICAL DIVISION

No	Descriptions
1.	Engineering and Construction Control Management : Post–Commencement Practice / Harban Singh
2.	Engineering and Construction Contract Management : Law and Principles / Harban Singh
3.	Engineering and Construction Contract Management : Commencement & Administration / Harban Singh
4.	People Skills in Project Management / Andrew AL Tan
5.	The Top – Flight Idea Project Management / Andrew AL Tan

INSTITUTION OF CIVIL ENGINEERS (ICE)

Engr. Dr Ooi Teik Aun

No	Description
1	Designers Handbook to Eurocode 1 Part 1 : Basis of Design
2.	Designers Handbook to Eurocode 2 Part 1.1 : Design of Concrete Structures
3.	Designers Handbook to Edurcode 4 : Part 1.1 : Design of Composite Steel and Concrete Structures
4.	Concrete for Transportation Infrastructure
5.	Civil Engineering Construction Contract
6.	Basic Water Treatment for Application World Wide
7.	Masons Guide: Environment Law for the Construction Industry
8.	Waste Treatment and Disposal
9.	Building Innovation: Complex Constructions in Changing World

Engr. Leyu Yoon Jin

No	Descriptions
1.	Design Guide for Fabrication, Assembly and Erection of Hollow Section Structures / D. Dutta, J. Wardenier, W. Yeomans, K. Sakae

HIGHWAY AND TRANSPORTATION TECHNICAL DIVISION

No	Description
1.	Guidelines for Road Drainage Design - Hydrological Analysis – Estimation of Design Floods – Volume 1 - Hydraulic Design of Culverts – Volume 2 - Hydraulic considerations in Bridge Design – Volume 3 - Surface Drainage – Volume 4 - Subsoil Drainage – Volume5
2.	Guidelines on Bridges Aesthetics
3.	Guidelines for Works Related to Public Utility Installations Within the Road Reserve
4.	A guide on Geometric Design of Roads
5.	A Guide for Bridge Inspection
6.	Guidelines to the Design of Plain Concrete Pavement
7.	Guidelines on Traffic Control and Management Devices
8.	Guidelines for Planning Scope of Site Investigation Works for Road Projects
9.	Specification for Cold in – Place Recycling
10.	5th Malaysian Road Conference 2002 Proceedings
11.	6th Malaysian Road Conference 2004 Proceedings

BUILDING SERVICES TECHNICAL DIVISION

No	Descriptions
1.	Switchgear Manual – 10th edition – 2 copies

PROJECT MANAGEMENT TECHNICAL DIVISION

No	Descriptions
1.	Microsoft Office Project 2003 – 3 copies

Engr. Thin Choon Chai

No	Descriptions
1.	1995 Master Index – National Fire Protection Association
2.	1995 National Fire Codes
3.	1995 National Fire Codes from Volume 1 to Volume 12
4.	NFPA 101 : Life Safety Code – 2000 Edition
5.	NFPA 318 Standard for the Protection of Cleanrooms – 2000 Edition
6.	NFP Fire Prevention Code Handbook – First Edition, 1998
7.	Installation of Sprinkler System – NFPA 13 – 1999 Edition

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Essay Competition

By: Engr. Andrew Amaladoss, F.I.E.M., P.Eng.

I refer to the recent essay-writing competition organised by IEM and the results thereof as published on your website. I regret to note that although some of the winning essays had points to make, their poor use of the English language, and lack of adherence to the rules of this language were appalling to say the least. This competition further reflects the declining quality of the English language as used and practised by our engineers. One just has to look at articles published in the Jurutera Bulletin and the IEM Journal, and also at flyers and letters sent out by IEM headquarters to see this trend. Essays written for the Professional Interview and subsequently published as worthy of reading are no better too.

Engineers are always touted as poor communicators but good backroom boys. Well, we shouldn't be the least surprised if most of us have such a poor command of spoken and written English. This is especially true of those who have graduated from local institutions of higher learning in the past 15 years or so.

May I suggest that adequate proof reading be done for all IEM publications to minimise linguistic mistakes and errors. This will not only improve the quality of these publications, but also help to enhance the public perception of IEM. ■

CHIEF EDITOR'S COMMENTS

Engr. Andrew's observations are generally true. Most of our engineers, including many of those who obtained their degrees from English–speaking contries have extremely poor command of the English language.

Whether one likes it or not, many of the engineering journals of international standing are published in English and any engineer who wants to share his/her research findings with the international community and gain recognition in the process will have to be able to write in reasonably good English.

To tackle this problem, the engineers concerned must first realise this handicaps of theirs, build up a strong desire to improve themselves, learn the ways and means of doing so from the experts, draw a workable plan within the constraints of other commitments, and then put in real, dedicated effort to implement the plan.

Our institutions of higher learning have to play their part too. The educators can help nip the problem at the bud by giving the English language an appropriate place in the teaching of engineering that is commensurate with its world standing. The Ministry of Higher Education can help by putting the necessary policy, legal and financial frameworks in place.

Engr. Andrew perhaps can give us some suggestions as to how IEM itself can play a meaningful role in this respect as well.

ANNOUNCEMENT

To all Readers and Advertisers,

Please note that the publisher of Jurutera, IEM Journal and IEM Directory, Dimension Publishing Sdn. Bhd., has relocated its operating premises to a new adddress. The new address and contact is:

DIMENSION PUBLISHING SDN. BHD.,
Suite 29, 3A Floor, IOI Business Park,
1 Persiaran Puchong Jaya Selatan,
Bandar Puchong Jaya, 47100 Puchong,
Selangor Darul Ehsan, Malaysia.
Tel: +603-8070 9949/8070 9980 Fax: +603-8070 0047

We regret any inconvenience our relocation may have caused and we wish to thank all advertisers and readers for their continued support.

YOUNG ENGINEER AWARD 2008

On behalf of IEM, the G&S Committee is proud to invite nominations for the YOUNG ENGINEER AWARD 2008.

The objective of the Award is to encourage interest in engineering and to recognise potential among young engineers in Malaysia. The Award will be presented to the person who has shown outstanding ability and leadership qualities,

either

i) in the design and/or construction of an engineering device or system of merit

or

ii) in the research and development or teaching of engineering.

In any one year, the Award may be made in either one or both of the categories mentioned above. If the Award is to be made in only one of the two category may be made in the year.

The Award is open to candidate who are:-

i) Registered member with the Board of Engineers, Malaysia and under 35 years of age
ii) Malaysian citizens or permanent residents of Malaysia
iii) Graduate or corporate members of IEM.

Photocopies are allowed. **The closing date for nominations is June, 2007**.

The Proposer may or may not be a member of IEM. However, each nomination shall be supported by a brief recommendation from two Referees who are Corporate members of IEM. If the Proposer himself is a Corporate member of IEM (or higher), then he may also act as one of the two required Referees.

Future nomination will be invited bi-annually.

The Award will comprise a cash prize of RM500.00, a scroll and plaque, to be presented with due ceremony to each recipient of the Award. ■

Nominations can be downloaded from the IEM website.