To All Members, Date: 12 June 2006

CANDIDATES APPROVED TO SIT FOR YEAR 2006 PROFESSIONAL INTERVIEW

The following candidates have been approved to sit for the Professional Interview for 2006.

In accordance with Bylaws 3.7, the undermentioned names are published as having applied for membership of the Institution, subject to passing the year 2006 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
	CIVIL ENGINEERING	
7259	ABD. RAZAK BIN DAHALAN	BSC (LANCASTER) (ENG., 79) MSC (STRATHCLYDE) (WATER ENG., 88)
22342	CHOW CHEE MENG	BE (HONS) (UM) (CIVIL, 2001)
14332	HIEW TET VUI, RAYMOND	BE (WOLLONGONG) (CIVIL, 91)
20554	KOH KIM SENG	BE (HONS) (USM) (CIVIL, 99)
20296	LEONG HIAN YOONG, TERENNCE	BE (HONS) (LEEDS) (CONST. MGMT, 99)
14991	LIM GUEY HOCK	BE (HONS) (UTM) (CIVIL, 95) MSC (NAT. UNI. S'PORE) (CIVIL, 2002)
4657	MOHAMED NOR B. MOHAMED DESA	BSC (HONS) (LOUGHBOROUGH) (CIVIL, 79) MSC (WALES) (CIVIL, 86) PHD (LUNDS, SWEDEN) (ENG., 97)
14571	NORIZA BINTI ABDUL	BE (TASMANIA) (CIVIL, 87)
21965	OOI SHU TAT	BE (HONS) (UKM) (CIVIL & STRUCT, 98)
10970	ROSLAN BIN MD. TAHA	BSC (HONS) (NEWCASTLE UPON TYNE) (CIVIL, 82) MSC (LIVERPOOL) (ENG., 92) PHD (WALES, ABERYSTWYTH) (2000)
19359	SHAN KOK SHIN	BSC (SOUTH ALABAMA) (CIVIL, 97)
24478	TAN HUI HUN	BSC (MANITOBA) (CIVIL, 2000)
21745	YAP YUK LEONG, JEFFREY	BE (HONS) (HERTFORDSHIRE) (CIVIL, 2000)
	MATERIAL ENGINEERING	
22392	DHAKSHYANI A/P K. RATNADURAI	BE (HONS) (USM) (MATERIAL, 2000) MSC (USM) (MATERIAL, 2001)
	MECHANICAL ENGINEERING	
22278	KHAIRUL NIZAM BIN JASMAN	BSC (PURDUE) (MECH, 98)

NEW APPLICANTS

Name	Qualifications
CIVIL ENGINEERING	
CHAI SEONG WAI	BE (HONS) (UPM) (CIVIL, 93)
MOHAMAD SULAHUDDIN BIN RAMLI	BE (HONS) (USM) (CIVIL, 94)
MOHD FAKHRURAZZY BIN ISMAIL	BE (HONS) (UTM) (CIVIL, 94)
ROSMAN BIN YAHYA	BSC (HONS) (ASTON, UK) (CIVIL, 78) MSC (LOUGHBOROUGH) (CONST, 86)
ZAINAL MUKRI BIN MD MUSTAFFA	BE (HONS) (UTM) (CIVIL, 99)
ELECTRICAL ENGINEERING	
ISMAIL BIN HASSAN	BE (TASMANIA) (ELECT, 73) MSC (UNI. OF LONDON) (ELECT MACHINE & POWER SYST., 76)
MOHAMAD ROM BIN TAMJIS	BSC (HONS) (SOUTHAMPTON) (ELECT, 80) MASTER OF PHILOSOPHY (SOUTHAMPTON) (1983) PhD (NEWCASTLE UPON TYNE) (1992)
ELECTRONIC ENGINEERING	
ABDUL RASHID BIN HUSSAIN	BE (HONS) (UTM) (ELECT, 2001)
MECHANICAL ENGINEERING	
MAZLAN BIN DINDI	BSC (NORTHEASTERN) (MECH, 98)

THE INSTITUTION OF ENGINEERS, MALAYSIA - PRIZES FOR OUTSTANDING PERFORMANCES IN 2005 SPM
The following students were awarded cash prizes and certificates for their outstanding results

Name	Parent / Guardian	Results
SATHYA SAILASHINEE D/O SIVAMUNI	NAVINDRAN S/O ANDIAPPEN	13 A1
NUR IZZAH BINTI CHE MOHD HASHIM	CHE MOHD HASHIM BIN CHE DAUD	12 A1, 3 A2
MA CHUN WEI	MA MENG FOOK	12 A1, 1 B3
ALVINA LAU VOON NA	LAU LUK LIM	12 A1
LEONG PHUI KUAN	DR. LEONG SIEW MUN	12 A1
LOO SI YI	LOO HUCK SOO	12 A1
KWAN YUAN DONG	KWAN KAM SING	12 A1
LEOW ZHAN SHENG	CHEEN CHAI	11 A1, 2 A2
AIMI HAZWANIE BINTI NORDIN	NORDIN BIN KASIM	11 A1, 2 A2
AHMAD FAIZ BIN MUHAMAD SABRI	MUHAMAD SABRI BIN MUSTAFA	11 A1, 2 A2
SOO WEI TING	SOO TIAN TIONG	11 A1, 1 A2, 1 B3
ER HOOI SAN	ER CHEONG BANK	11 A1, 1 A2, 1 B3
LEE RUI LIN	LEE HO SING	11 A1, 1 A2
ERIC ONG SOO CHIEN	ONG SEE YEN	11 A1, 1 A2
DANIEL WANG CHING YEE	WANG TENG PENG	11 A1, 1 A2
JOLYNN LOW QIAN LIN	LOW KAK SENG	11 A1, 1 A2
ANG DINGYI	ANG BOH KHENG	11 A1, 1 A2
TEH TECK LIANG	TEH ENG HUAT	11 A1, 1 A2
GOH SHZE YI	GOH HONG SEONG	11 A1, 1 A2
CHONG MEI WEN	CHONG PEN KWONG	11 A1, 1 B3
TENG KENN SHAUN	TENG TONG SIEW	11 A1, 1 B3
AMANDA TAN LEE MING	TAN SWEE BENG	11 A1
JOSHUA YIM ZHENG YAO	YIM YAT SOON	11 A1
NG CHOY KOON	NG WYE KONG	11 A1
CHIA PEI LYN	CHIA FOOK SHOON	11 A1
JACQUELINE LAI TIAN SHING	LAI KEE WOO	11 A1
LYE WYE LI	LYE MUNN WAI	11 A1
ASHWIN RAJASKANDA	RAJASKANDA S/O THAMOTHARAM	11 A1
MOHAMMAD MUHAIMIN BIN AMINUDDIN	AMINUDDIN BIN MOHD NASIR	11 A1
SIA WEN LI	SIA MAL KONG	11 A1
CHIONG KHAI XIANG	CHIONG CHEE KIN	10 A1, 3 A2
LIM SU-ANN	LIM MUN JONG	10 A1, 2 A2
BENJAMIN JON K. ABRAHAM	K.J. ABRAHAM	10 A1, 2 A2
YONG AN YI	YONG YUN FUI	10 A1, 2 A2
KOAY HUI SIEN	KOAY CHEE EONG	10 A1, 2 A2
WONG KA YI	WONG SWEE ON	10 A1, 2 A2
WONG SHU FEI	WONG PIANG YOW	10 A1, 1 A2, 1 3B
TEO HAN CHUIN	TEO HOCK YEOW	10 A1, 1 A2, 1 3B
DANIEL WONG LORNG YON	WONG KWANG HUI	10 A1, 1 A2, 1 3B
TAY HUI YEN	TAY THONG SANG	10 A1, 1 A2
JUSTIN LIM KIAN YEW	JOSEPH LIM CHAN SAN	10 A1, 1 A2
EDWIN CHAN KIN VUI	CHAN KOK KONG	10 A1, 1 A2
SAMUEL PAU SU SERN	PAU NGIE SU	10 A1, 1 A2
THAYA DEVI KANAGARAJAH	KANAGARAJAH	10 A1, 1 A2
CHOONG JIE NING	CHOONG CHEE YOONG	10 A1, 1 A2
NG BOON KEAN , KENNETH	NG HIAN CHUAN	10 A1, 1 A2
VIJAYRAMA RAO S/O SAMBAMOORTHY	SAMBAMOORTHY S/O RAMANAIDU	10 A1, 1 B3
GAN WEN CHIAM	GAN KIN CHOON	10 A1, 2 3B

THE INSTITUTION OF ENGINEERS, MALAYSIA - PRIZES FOR OUTSTANDING PERFORMANCES IN 2005 SPM
The following students were awarded cash prizes and certificates for their outstanding results

Name	Parent / Guardian	Results
MOHD IZZAT BIN MOHD JAHINI	MOHD JAHINI BIN MOHD DOM	10 A1
LIM CHUN LIANG	LIM LIK	10 A1
JOVEN KOK JUN SERN	KOK TONG YONG	10 A1
YUFARIZA HANI BT MUHAMMAD YUSUF	MUHAMMAD YUSUF BIN BAHARUDDIN	10 A1
KARTIKHA D/O GOVINDA RAJOO	GOVINDA RAJOO S/O RAMADAS	9 A1, 4 A2
JESSICA LIEN HOU-YU	LIEN SAN HOI	9 A1, 3 A2, 1 B3
HENG LIT RONG	HENG GUAN HOW	9 A1, 3 A2
CHUAH LI SHAN	CHUAH CHIN KAH	9 A1, 3 A2
KOAY HUI FERN	KOAY CHEE EONG	9 A1, 3 A2
AHMAD FARHAN BIN MAHABOT	MAHABOT SUIB	9 A1, 3 A2
AISHAH BINTI AZMAN	AZMAN BIN AKOP	9 A1, 2 A2, 1 B4
NIMALAN S/O DEVARAJA	DEVARAJA MURUGAPPA	9 A1, 2 A2, 1 B3
SOH WEI LOON	SOH KOK ENG	9 A1, 2 A2, 1 B3
CHEAH SHUYI	CHEAH SIEW MENG	9 A1, 2 A2, 1 B3
WINNIE CHUA WE NING	CHUA SOO KOK	9 A1, 2 A2, 1 B3
ENG YI QIN	ENG BOON CHONG	9 A1, 2 A2, 1 B3
CHONG ZIYAN	CHONG SWEE CHOON	9 A1, 2 A2, 1 B3
LEONG YIN WAN	LEONG CHICK KIN	9A1, 2A2
HUE SEOW MUN	HUE KOR WAH	9 A1, 2 A2
NOORSHIREEN BT AMIR KHAN	AMIR KHAN BIN AYOB MOHAMED	9 A1, 2 A2
IAN HAN ZHENG FENG	HAN YEAN TOON	9 A1, 2 A2
HANAN BINTI OTHMAN	PROF.MADYA IR. DR. OTHMAN A. KARIM	9 A1, 2 A2
GUE CHANG YE	GUE SEE SEW	9 A1, 2 A2
FOO FONG JIUAN	FOO SAY TUAN	9 A1, 2 A2
CALVIN LIM FUNG JIN	LIM JIT KAI	9 A1, 1 A2, 1 3B
CHAN SOOK YEEN	CHAN KAH HOE	9 A1, 1 A2, 1 3B
CHAI YI KANG	CHAI KIM SOON	9 A1, 1 A2, 1 3B
MOHD ARIF BIN MOHD NOR	MOHD NOR BIN ABD BASAR	9 A1, 1 A2
AHMAD ZAKI BIN JUHARI	JUHARI BIN HUSIN	9 A1, 1 A2
TEO SHU QING	RICHARD TEO CHOK TECK	9 A1

IEM congratulate the parents and their children for the excellent results.

ANNOUNCEMENT

PROFESSIONAL EVENING WITH THE PATRON, Y.A.B. DATO' SERI ABDULLAH BIN HAJI AHMAD BADAWI

Kindly take note that Malaysian Professional Centre (BIM) is organising Professional Evening with the Patron, Y.A.B. Dato' Seri Abdullah bin Haji Ahmad Badawi. The function is scheduled on Wednesday, 26 July 2006 at 7.30 p.m. at Istana Hotel Kuala Lumpur. Members of the Institution are invited to attend this special evening by confirming your commitments by taking up table. You may contact BIM at 03-7728 7171/03-7729 4621 for further information.

ANNOUNCEMENT

Please be informed that the Oil, Gas and Mining Technical Division has donated a wi-fi hotspot in the Institution's library. The service is made available for the use of the Institution's Members. Please bring your note book with wireless function.

CALL FOR PAPERS

To all Members and Readers, The Chemical Engineering Technical Division is planning for special issues of Journal for Chemical Engineering. Those interested in contributing can either write to the Chairman of Chemical Engineering Technical Divison, IEM, or e-mail siti@iem.org.my. Guidelines for contributions can be found on the IEM website. Please submit contributions early before/by 31 July 2006 to meet our material deadline.

IEM DIARY OF EVENTS

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

Chemical Engineering Technical Division
10 JULY 2006
Time: 5.30 p.m. - 7.30 p.m.
Talk on "Role of Multimedia Communication in Intelligent Instrumentation and Control in Process Plant"

Water Resources Technical Division
11 JULY 2006
Time: 8.00 a.m. - 11.00 p.m.
Talk on "Role of Multimedia Communication in Intelligent Instrumentation and Control in Process Plant"

Environmental Engineering Technical Division
11 JULY 2006
Time: 5.30 p.m. - 7.30 p.m.
Technical Talk on "Urban Drainage Master Plans – Integrated Approach with the use of Monitoring and Modelling"

Mechanical Engineering Technical Division
12 JULY 2006
Time: 8.30 a.m. - 5.30 p.m.
One Day Course on Pump

20 JULY 2006
Time: 12.00 noon - 5.30 p.m.
The Chemistry between Engineering Tools, Biomedical and DNA Science

Building Services Technical Division
18 JULY 2006
Time: 9.30 a.m. - 5.00 p.m.
One Day Seminar on "Surge Protection for Building Services"

Project Management Technical Division
18 JULY 2006
Time: 5.30 p.m. - 7.30 p.m.
Lectures on Arbitration No. 2 - "Appointment, Powers and Jurisdiction, Removal, Resignation and Immunity of an Arbitral Tribunal"

Oil, Gas and Mining Technical Division
20 JULY 2006
Time: 8.30 a.m. - 12.30 p.m.
Visit to Kelang Valley Distribution Terminal (KVTD)
Kelang Valley Distribution Terminal (KVDT) KM 18 Jalan Dengkil – Puchong, Selangor

26 JULY 2006
Time: 5.30 p.m. - 6.30 p.m.
Talk on "EMC, Signal Reference Planes and 'Noise' Management for Data Centers and Mission Critical Facilities"

29 JULY 2006
Time: 8.30 a.m. - 1.30 p.m.
Half Day Seminar on "Construction of New Bishan MRT Station (Circle Line) Underpass Using Mining Method"

CONFERENCES AND ACTIVITIES FOR 2006

5 AUGUST 2006
36th Annual General Meeting of G&S Section

12 AUGUST 2006
Time: 7.30 p.m.
G&S Annual Charity Dinner and Dance 2006 – "The Young Engineers' Night Fever"
Ballroom, Level 2, Convention Centre, Grand Blue Wave Hotel, Shah Alam, Selangor

27 - 30 AUGUST 2006
11th APCChE Congress
Kuala Lumpur Convention Centre (KLCC)
(Second Announcement)

28 AUGUST 2006
IEM/IES/PII Tripartite Meeting
Kuala Lumpur Convention Centre (KLCC)

28 - 30 AUGUST 2006
Chemical Technology Exhibition (ChemTex)
Kuala Lumpur Convention Centre (KLCC)

4 - 5 SEPTEMBER 2006
Seminar on Engineering and Technology 2006 (SET 2005), *Putrajaya*

5 - 7 SEPTEMBER 2006
Brownfield Asia 2006 - International Conference on Remediation and Management of Contaminated Land: Focus on Asia
Berjaya Times Square Hotel and Convention Centre

31 OCTOBER 2006
GSM-IEM Oktoberforum 2006: "Engineering Geology and Geotechnical Engineering"
Department of Geology, University of Malaya
Full Paper Deadline: 15 August 2006

29 NOVEMBER - 2 DECEMBER 2006
Second Announcement of the 24th Conference of ASEAN Federation of Engineering Organisation (CAFEO' 06) on Branding of ASEAN Professional Engineering Services and Education for Global Mobility
Sunway Lagoon Resort Hotel, Petaling Jaya
Website : http://www.aseanengineers.com/CAFEO24

CONFERENCES AND ACTIVITIES FOR 2007

8 - 11 MAY 2007
16th Southeast Asian Geotechnical Conference (SEAGC 2007)
Venue : Sheraton Subang Hotel & Towers, Subang Jaya
E-Mail : 16seagc@iem.org.my
Website : http://www.16seagc.com
(Second Bulletin Call for Papers and Invitation to Register)

1 - 5 AUGUST 2007
3rd World Engineering Congress (WEC)
Venue : Penang

ANNUAL DINNER AND AGM OF BRANCHES YEAR 2006		
AGM and Annual Dinner	Perak Branch	July 06
AGM	Miri Branch	31 Oct 06
AGM	Sabah Branch	4 Nov 06
AGM and Annual Dinner	Penang Branch	22 Nov 06
Annual Dinner	Sabah Branch	9 Dec 06
AGM and Annual Dinner	Kedah/Perlis Branch	Dec 06
AGM and Annual Dinner	Sarawak Branch	Dec 06
AGM and Annual Dinner	Terengganu Branch	Dec 06
AGM and Annual Dinner	Melaka Branch	Dec 06
AGM and Annual Dinner	Eastern Branch	TBA

CONFERENCE & SEMINAR

MALAYSIA

1 - 2 August 2006
2nd ANNUAL INTERNATIONAL "MASTERING IT PROJECT MANAGEMENT" CONGRESS – FROM STRATEGY TO EXECUTION
Venue : Sheraton Subang Hotel & Towers, Malaysia
Organiser : PMIMY
Website : www.mitpm.org
(Invitation to Register)

10 - 12 August 2006
LAWASIA LABOUR LAW CONFERENCE – "MOBILITY OF LABOUR IN THE LAWASIA REGION - THE LEGAL AND SOCIAL PROBLEMS OF MIGRANT LABOUR"
Venue : Kuala Lumpur
Organiser : LawAsia
Tel : 03-2031 3003 ext. 143 (Lynette Tan) / ext. 174 (Sivanes) / ext. 103 (May Leng)
E-mail : lynette.tan@malaysianbar.org.my / catherine.eu@malaysianbar.org.my
(Invitation to Register)

22 - 25 August 2006
35TH IFTDO WORLD CONFERENCE AND EXHIBITION 2006
Venue : Kuala Lumpur Convention Centre, KL
Organiser : UiTM, IFTDO
Tel : 03-2169 6109
Fax: 03-7494 0278 / 2169 6168
E-mail : conferencepapers@iftdo2006kualalumpur.com
Website : www.iftdo2006kualalumpur.com
(Invitation to Register)

13 - 14 September 2006
INTERNATIONAL CONSTRUCTION CONFERENCE 2006: CHALLENGES OF GLOBAL MEGA PROJECTS
Venue : Kuala Lumpur Convention Centre, KL
Organiser : MBAM, CIOB, UiTM
Tel : 03-6203 3754 / 6411 8854
Fax: 03-6203 3872
E-mail : ciob@pd.jaring.my / ciobm@streamyx.com
(Invitation to Register - before 16 August 2006)

26 - 28 November 2006
2006 INTERNATIONAL ENERGY CONFERENCE FOR SUSTAINABLE ASIA
Venue : Sunway Pyramid Convention Centre, PJ
Organiser: ACCCIM, AAET
Tel : 03-2145 2503
Fax: 03-2145 2562
E-mail : info@iENERGYc2006.com
Website : www.iENERGYc2006.com
(Invitation to Register)

GERMANY

19 - 22 September 2006
INNOTRANS 2006
Venue : Berlin, Germany
Organiser : Messe Berlin
Tel : 03-2078 3561 / 3562
E-mail : christine@mgcc.com.my
Website : www.innotrans.de
(Invitation to Register)

INDONESIA

6 - 8 September 2006
3RD ASIAN CONFERENCE OF SHOPPING CENTRES 2006
Venue : Grand Hyatt, Jakarta
Organiser : APPBI
Tel : 03-7727 6202 (Joyce Yap)
E-mail : ppkmash@tm.net.my
(Invitation to Register - before 30 June 2006)

Geosynthetics for Reinforced Soil Structure Application

By : Engr. Neoh Cheng Aik *F.I.E.M., P.Eng.*

The talk about "Geosynthetics for Reinforced Soil Structure Applications" was delivered by Engr. Albert Lim on 25 March 2005 at Bangunan IEM, Petaling Jaya. The talk was attended by about 75 Members. The main scope of the talk includes:

1. Types of polymers, types of geosynthetic products (non-woven geotextiles, woven geotextiles, geogrids, etc; their applications and limitations for civil engineering projects in general).

2. Applications of various types of geosynthetics for reinforced soil structures including design concepts, construction methods, quality control tests and instrumentation to check and verify the design assumptions and performance criteria/requirements, etc.

3. Case histories of applications of geosynthetics for reinforced soil structures

Several questions were raised by the members on the floor and all were duly answered by Ir. Albert Lim.

The talk was commenced by 5.50 p.m. and adjourned at 6.55 p.m. The members expressed their thanks to the speaker for the informative talk in the usual manner. ■

REPORT

Soil Nail Design to FWHA Method

By : Engr. Neoh Cheng Aik *F.I.E.M., P.Eng.*

About 135 members had attended the talk on "Design of Soil Nail by FWHA Method" delivered by Engr. Chow Chee Meng on 6 April 2005 at IEM Lecture Hall, Petaling Jaya. The talk commenced at 5.45 p.m. and ended at about 6.50 p.m.

The main scope of the talk was to discuss the various aspects involved in the design of soil nail with particular reference to overall design concept, passive bond resistance length, nail head and nail facing, etc., according to FWHA method.

Engr. Chow Chee Meng discussed in detail the design of soil nail by service load design method based on FWHA method. Methods to estimate allowable nail capacity, FOS on soil nail strength, nail head strength (flexural and shear), facing strength, etc., were also presented and elaborated. Internal stability checks (facing, pull-out and nail tendon failures) and external stability checks (overturning, sliding, bearing and global slip) to illustrate various possible modes of failures and necessary recommended FOS were also discussed.

Soil nail designs by other methods such as BS 8006 (Clause 7.5), HA 68/94 (DOT, UK) and GEO Hong Kong (prescriptive method) were also briefly outlined and discussed. Engr. Chow Chee Meng remarked that facing failure due to excessive deformation or shear failure is very common. Mitigation measures against failures were also discussed.

Several questions related to soil nail design procedures, testing and design practice were raised by the participants and answered by Engr. Chow Chee Meng.

Ir. Neoh C. A. commented that he agreed with Engr. Chow that facing failure is very common in very steep slope/wall (gradient > 70 degrees) mainly as the result of excessive deformation (> 0.05H%), which is mainly caused by low passive resistance or inadequate soil nail length in passive zone or inadequate nail head capacity (due to underestimation of bond strength or due to poor construction practice at site, e.g. drill hole not grouted immediately or within 2 hours after drilling (FWHA recommendations) or subject to rain before grouting, or poor grout quality, etc). Fortunately and generally, facing failure alone seldom cause global slope/wall failure. Surface markers or inclinometers shall be installed to check lateral deformation (usually < 0.05H % for properly designed and constructed soil nail slope/wall). Extensive lateral deformation may cause excessive tension cracking on the upslope, resulting in excessive infiltration and eventual failure. Engr. Neoh also remarked that most of the pull-out tests are not carried out correctly according to FWHA method at site. Pull-out test is aimed to verify the critical design/assumed bond strength (kN per m of soil nail) in the passive zone and at the interface of soil and grout (not at the interface of grout and rebar as often observed at site).

The talk was adjourned at 6.50 p.m. and the members had expressed their thanks to the speaker for the very enlightening talk in the usual manner. ■

Dear Chief Editor,

WHAT IS THE DIFFERENCE BETWEEN A MAGAZINE AND A JOURNAL?

What is the difference between a magazine and a journal? This question becomes a little bit more interesting and the answer deserves a more refined definition perhaps by the IEM or BEM. This is in view of the implementation of Continuing Professional Development (CPD) by Board of Engineers, Malaysia.

From 1 January 2006, BEM requires all registered Professional Engineers to have a minimum of 50 CPD hours as one of the conditions for re-registration. This 50 CPD hours can be taken as the moving average of 3 consecutive years prior to renewal of registration beginning each year.

According to IEM guidance notes, individual Professional Engineer including those PEs co-authoring an article can credit a maximum of 10 CPD hours or 20 CPD hours for publication of a paper or article in a Bulletin or a Journal respectively. However, the technical content, quality and relevance of the publication is not well defined. Professional Engineers are therefore left to their own judgement and intergrity with the actual CPD hours claimed.

A writer could therefore credit 20 CPD hours if he/she chooses to have his/her article sent to BEM and have it published in The Ingenieur. The Ingenieur is the official publication of the Board of Engineers Malaysia and is regarded as a Journal providing useful and quality information on engineering matters.

On the other hand the same article may only merits 10 CPD hours if it is published in the JURUTERA, the monthly bulletin of the Institution of Engineers, Malaysia. This seems to be the general view of some speakers of the "BEM CPD Awareness Programme for Professional Engineers" organised by IEM regional branches.

So what really is the difference between Journal and a Magazine? To answer this seemingly simple question here are some definitions to help you understand the subject.

A magazine is often used to describe a popular periodical like the Time or Newsweek. Journal on the other hand is used to describe a scholarly periodical that is written by professionals or experts. Journal articles tend to be longer and sometimes provide citations to additional research. Hence, more often than not, a magazine published by an Institution or Professional body is sometimes also refer to as a Journal as it is more scholarly than a magazine found at a local newsstand or bookstore.

The reader may also find the following a short list of publications by several professional bodies and their Publication terminology.

So is "Jurutera", the monthly "Bulletin", published by The Institution of Engineers, Malaysia a Journal? From my standpoint and on the basis of some relaxed definitions the answer would be a "yes". This could however prove otherwise if IEM chooses to adopt a more precise definition. Perhaps IEM could comment and give an official definition on this. ■

Thank you,
Engr. Albert K.W. Tam F.I.EM.,P.Eng.
F05941

DEFINITIONS	JOURNALS	MAGAZINES
Purpose	The main purpose is to report original research of finding. Articles usually have a narrow subject focus.	The main purpose is to sell products, entertain or present a viewpoint. The information content is usually of current or general interest.
Length	Articles tend to be lengthy, written for sholars by sholarly experts with the name and credentials provided. Some scholarly background on the part of the reader is assumed.	The articles are shorter and they are not written by a subject specialist. The are for the wider audience and general public.
Author	The writer's position and affiliation may be given. The writer is regarded as an expert or scholar in the field or a person who has done some research in the subject.	Articles may be unsigned and generally written by a member of the editorial staff or a freelance writer.
References	Articles usually give some mention of references, bibliographies and footnotes.	Usually articles do not cite sources.
Look	Articles generally have a serious look and illustrated with graphs and charts. They may include few advertisements.	Articles usually have a glossy look and may contain many colour photographs, illustrations and drawings.
Frequency	They are published less frequently, usually monthly, quarterly or annually.	Typically published daily, weely or monthly.
Publisher	They are most often published by scholarly presses, professional institutions or universities.	Most often published by general or commercial presses.
Availability	They are available only by subscription of professional institutions or societies. The readers are generally members of such institutions or societies.	They are available at newsstands, book stores or by subscriptions.

TITLES	PUBLICATIONS	PROFESSIONAL INSTITUTIONS
Jurutera	Bulletin	The Institution of Engineers, Malaysia
The Ingenieur	Journal	Board of Engineers Malaysia
New Civil Engineer	Magazine	Institution of Civil Engineers, U.K.
The Engineers Journal	Journal	Institution of Engineers of Ireland

COMMENTS FROM BULLETIN EDITOR

First we wish to thank the writer for his contribution and opinions. The writer also expects some comments from The IEM and also to give some official definitions on the subject matter.

I wish to present my two-cents worth of contribution in my personal capacity which might not necessarily be that from The IEM top echelon.

The IEM is a professional learned society where professionals joined as members to promote professional development in all engineering disciplines towards engineering excellence and foster the spirit of esprit de corps in the engineering fraternity.

The IEM monthly bulletin, Jurutera, and the IEM quarterly technical Journal are means of disseminating information to members. Their success depends on contributions from all members to share their knowledge, expertise and experience as well as any research findings. They have to be factual and not fiction which could be found in magazines. One important thing that seems to be misunderstood is that the contributions are voluntary in nature without any remuneration (not like some magazines which offer some monetary returns for articles published). The reward of gaining CPD points or points towards competing for The IEM's Presidential Award should only as an after thought and should NOT be the motive for writing articles for these publications. Though the difference in awarding points has to be reviewed, one should not wait for them to be sorted out as it will defeat the noble objectives of sharing towards achieving engineering excellence.

Though the writer has given in detail on the definitions, I wish to forward the following definitions for discussion:

A Bulletin is a periodical publication of an association. For The IEM, the articles are more technical in nature and have to be factual and not fiction. The length of each article should not be more than 4 pages as the Bulletin caters a more varied interest and coverage for dissemination of information and for lighter reading.

A Journal is a periodical publication of technical and research papers which is much longer than could be accepted for publishing in the Bulletin. It requires much more heavy reading and understanding of the subject matter.

A Magazine is a periodical with stories, articles and fiction.

There was even a comment that it reminded someone of a school magazine as the pages of the Jurutera was being turned. The quality of the Bulletin depends on the quality and standard of the articles submitted and that reflects back on the contributors. Sometimes, articles were few, limited in scope, of not so high standard and do not fit in the monthly themes that at times it is difficult to get them published. Hence, it is very important that the members voluntarily contribute articles of suitable quality and standard to ensure the success and reputable image of The IEM as a Professional Learned Society. ■

Call For Contributions to IEM's Book Project

To all Members and Readers,

The Standing Committee on Publications is currently embarking on the IEM's Book Project. this would contribute towards the legacy for perpetuity.

We would welcome from all Members and Readers, especially those who have been with the IEM over these years, photographs, articles, stories, anecdotes and any documentation, to capture the history of the IEM and the development of Engineering in Malaysia.

Please submit your contributions by 30 September 2006 to:-

The Book Project Sub-Committee, The Standing Committee on Publications Bangunan Ingenieur, Lots 60 & 62, Jalan 52/4, P.O. Box 223 (Jalan Sultan) 46720 Petaling Jaya, Selangor Darul Ehsan
or e-mail to ***pub@iem.org.my***

THE WORLD'S ONE AND ONLY TRANSPORTER BRIDGE

Dear Editor,

The claim by Ir. Chin Mee Poon that the Bilbao bridge linking Getxo and Portugalette is the only one functioning in the world currently is not corrent. There is another transporter bridge still in operation today in Middlesbrough, UK, crossing the Middlesbrough River towards Greatham and Billingham. It is a tourist attraction and for £1/way, you can take a ride.

Thanks,
Engr. Zulkifli Mohd. Zin

EDITOR'S NOTE:

Thank you for pointing it out. It is likely that most communities near a transporter bridge will consider their particular bridge unique; this might account for the mistaken claim. In fact, Wikipedia lists quite a number of transporter bridges, and many are apparently still operating today. ■

Guidelines for JURUTERA Authors

Overview

The primary objective of JURUTERA is to present articles of general interest to IEM members. JURUTERA provides reports and news on professional activities, branch activities, and current issues of interest. It also serves as a medium of communication between the Institution and its members, providing notices and announcements of IEM affairs.

Articles submitted for publication in JURUTERA must be original and unpublished elsewhere, and of interest to IEM members. Technical content should be presented in a readable and accessible style. JURUTERA is published monthly with a circulation of 15,000 copies (2004).

Deadlines

Articles must be sent in at least *one month* beforehand. For instance, a story intended for the May issue must be received before 31 March. The actual publication of an article is at the sole discretion of the Sub-Committee on Editorial Board.

Submitting Material

Research papers are not accepted, since JURUTERA is not a peer-reviewed publication. However, articles based on research conducted are most welcome.

The author may be requested to modify the article or to clarify certain points in the article. The Sub-Committee on Editorial Board reserves the right to edit manuscripts not only for clarity, readability and length but also for content.

Electronic copies of articles may be sent as attachments to the following e-mail: ***pub@iem.org.my.*** Accepted document formats are the Microsoft Word 97/2000 DOC format and RTF (authors without access to Microsoft Word can use OpenOffice.org.) Your documents should have meaningful and unambiguous names. Do not embed objects in your documents.

Please inquire via e-mail before sending very large documents (above 1MB in size.) Large documents may be sent compressed using the ZIP archive format. Large image files should be sent as separate attachments.

Submissions on diskette, CD-ROM, and printed photographs and picture slides are also accepted.

Writing Style

It is recommended that authors peruse published articles in issues of JURUTERA to get a feel for the style, format and nature of the articles. A technical article may use a formal style, while an opinion piece may be written in a very casual style. The Editorial Board prefers to refrain from imposing particular styles.

Articles should be in either U.K. English or Bahasa Malaysia. Submitted material is expected to be of a high standard. The Sub-Committee on Editorial Board consists of volunteers; we will not fix poorly-written material for the author.

Since articles submitted for Jurutera are not peer-reviewed, the onus is on the author to ensure that the article is factually correct and the arguments sound.

An article should be written in a clear and direct style. Paragraphs and sentences should be short and easily digestible. Do avoid long-winded and tedious technical writing styles. Writing is a two-way street; remember that you are writing for an audience that consists largely of both technically-minded trained professionals and budding engineers. The reader should be moved along briskly; reading JURUTERA ought to be an enjoyable and satisfying activity.

Organisation Of An Article

An article should always start with a title and an author's byline. An abstract is not necessary.

An article should communicate information efficiently and effectively to readers. The prose should follow a coherent line of thought. Sidebars, tables and figures may be used where appropriate. All mathematical equations must be properly typeset.

An article should always have a proper conclusion. Technical or formal articles may have a reference section. References should be cited using the IEEE style.

Manuscript Format

Articles should be single-spaced, in a 12 point serif font (e.g. Times New Roman.) An article, including tables and figures, should be no longer than *four (4)* A4 pages. Letters to the editor should be no longer than 2 pages.

Authors should also provide separately a passport-sized photograph (or equivalent) of themselves.

Photographs And Illustrations

All photographs should be of high quality, ready for typesetting. Image files should be in JPG/JPEG format, and of a high resolution (300 DPI or better.)

Drawn illustrations must be of high quality, as they will be used "as is". All figures, tables, graphs and photographs must be properly captioned.

Fair Use Of Copyrighted Material

Since JURUTERA is a widely-circulated publication, it is necessary to adopt a conservative policy on the fair use of copyrighted material. The Sub-Committee on Editorial Board reserves the right to reject articles that exercises the doctrine of fair use in an excessive manner. It is up to the author to obtain permission, if necessary, for the use of copyrighted material.

Use Of Proprietary Material

An article must not overtly promote a proprietary or commercial product. Such articles will be immediately rejected. Proprietary material such as trade names and proprietary terms should be avoided. Prose that seem advertorial in nature is frowned upon. An objective and balanced technical discussion involving commercial products is acceptable.

IEM JURUTERA
Editorial Board,
6 Nov 2004
Revised 6 June 2006