

To All Members,

Date: 12 March 2007

CANDIDATES APPROVED TO SIT FOR YEAR 2007 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
CIVIL ENGINEERING		
18352	CHONG HO SENG	BE (MEMORIAL UNI. OF FOUNDLAND) (CIVIL, 96)
24913	CHUA CHEE LEET	BSc (TENNESSEE) (CIVIL, 98) MSc (TENNESSEE) (CIVIL, 00)
15152	DR KHAIRUL ANUAR BIN KASSIM	BE (HONS) (MIDDLESEX) (CIVIL, 86) MSc (NEWCASTLE) (CIVIL, 91) PhD (NEWCASTLE) (CIVIL, 98)
21695	JOHN YONG LOCK PING	ME (HONS) (EXETER) (CIVIL, 99)
22936	LIAW WEI LOONG	BSc (KENTUCKY) (CIVIL, 98)
21493	NG KIM AIK	BE (HONS) (UTM) (CIVIL, 00)
22373	POO CHOON BENG	BE (USM) (CIVIL, 01)
17353	SITI NURBAYA BINTI HJ. AB. KARIM	BE (UPM) (CIVIL, 97) MSc (UPM) (HIGHWAY & TRANSPORTATION, 01)
22085	SIVAKUMAR A/L JAYARAMAN	BE (HONS) (UKM) (CIVIL & STRUCT., 99)
19489	THOMAS FOO YOO KEN	BE (HONS) (NEWCASTLE) (CIVIL, 89)
ELECTRICAL ENGINEERING		
10188	CHAI MEE FAUN	BE (HONS) (UM) (ELECT, 89)
24795	ABU BAKAR BIN OMAR	BE (HONS) (UM) (ELECT, 02)
18865	DOS GAMBILOK	BE (HONS) (UTM) (ELECT, 95)
24339	DR. SIM KOK SWEE	BE (FENG CHIA, TAIWAN) (ELECT, 88) MSc (WAYNE STATE) (ELECT, 91) PhD (MMU) (06)
6159	SATHA ANANDAN MARIAM	B.TECH (IIT MADRAS) (ELECT. ENG. POWER, 82) ME (NUS) (02)
24348	SYED AKIL BIN SYED ZAINAL ABIDIN	MSc (UNI. LONDON) (COMP. & SC., 85) BE (HONS) (NORTHUMBRIA) (ELECT & E'TRONIC., 97)
ELECTRONIC ENGINEERING		
24780	NG THIAW SENG	BE (HONS) (MMU) (E'TRONIC., 01)
MATERIALS ENGINEERING		
23690	SHANTINI D/O RETNARAJ	BE (HONS) (USM) (MATERIALS, 99)
MECHANICAL ENGINEERING		
9892	AHMAD BIN JAFAR @ JAAFAR	BE (HONS) (UTM) (MECH, 87)
22176	TEOH CHIN HAN	BE (HONS) (UNITEN) (MECH, 03)

NEW APPLICANTS		
Name		Qualifications
CHEMICAL ENGINEERING		
ZARINA BINTI RASMIN		BE (HONS) (UMIST) (CHEM, 93) MSc (WARWICK) (MNFG. SYST. ENG., 95)
CIVIL ENGINEERING		
GP STEVEN RAJ		BE (HONS) (UTM) (CIVIL, 00)
SHAHRIIL BIN ABDUL AZIZ		BE (HONS) (UM) (CIVIL, 99)
ELECTRICAL ENGINEERING		
AMINUDDIN BIN MUSA		BSc (NEVADA-RENO) (ELECT., 88) ME (UTM) (ELECT., 95)
MOHD HAFIZ BIN IBRAHIM		BE (HONS) (UNITEN) (POWER ELECT., 02)
ELECTRONIC ENGINEERING		
SITI JUHAIDA BINTI YUSOF		BSc (HONS) (TULSA) (ELECT., 99) MSc (UTM) (PLANT PROCESS MGMT., 06)
MECHANICAL ENGINEERING		
LAI KHOON WAH		BE (MONTANA STATE) (MECH, 99)
MUHAMMAD AZMI BIN AYUB		BE (NEW SOUTH WALES) (MECH, 90) MSc (LOUGHBOROUGH) (MECHTRONICS & OPTICAL ENG., 96) PhD (LOUGHBOROUGH) (04)



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>

CONFERENCE & SEMINAR



MAJOR EVENTS 2007

21 APRIL 2007

Time: 9.00 a.m. - 1.00 p.m.

48th AGM

Venue: JKR Hall, Dewan Tan Sri Mahfoz Khalid, Block C, Jalan Sultan Salahuddin, Kuala Lumpur

21 APRIL 2007

Time: 7.30 p.m. onwards

48th Annual Dinner and Awards Night – "Make a Date with IEM"

Venue: Dewan Tun Razak 4, Level 4, Putra World Trade Centre (PWTC), Kuala Lumpur

8 - 11 MAY 2007

16th Southeast Asian Geotechnical Conference and Exhibition 2007 – "Geotechnical innovations in Practice, Tsunami and Debris Flow"

Venue: Sheraton Subang Hotels & Towers, Subang Jaya

5 - 9 AUGUST 2007

World Engineering Congress (WEC) 2007 – "Frontiers of Engineering: Global Challenges and Issues"

Oil, Gas and Mining Technical Division

18 APRIL 2007

Time: 5.30 p.m. - 7.00 p.m.

Talk on Natural Gas Fired Cogeneration as a Means to Reduce Energy Costs

Speaker: Engr. Anand Anton

Venue: 2nd Floor, IEM Conference Hall

25 - 26 APRIL 2007

Time: 8.30 a.m. - 5.30 a.m.

2 Days Course on Maintenance Practice and Maintenance People

Venue: ILSAS, KM 7, Jalan Kajang-Puchong, Bandar Baru Bangi

Mechanical Engineering Technical Division

17 APRIL 2007

Time: 5.30 p.m. - 7.30 p.m.

Talk on "Alignment of ISO - Certified Engineering Organisations to TQM/Six Sigma"

Speaker: Engr. Dr Chong Chien Fatt

Venue: 2nd Floor, IEM Conference Hall

25 APRIL 2007

One Day Course on "Generators and Power Generation"

Speaker: Various Presenters

Venue: Laksamana Ballroom, Level 3, Armada Hotel, Petaling Jaya

28 APRIL 2007

Time: 8.30 a.m. - 1.00 p.m.

Technical Visit to Security Fence Manufacturing Plant

Venue: Karib Industri Sdn. Bhd., Shah Alam

Building Services Technical Division

19 APRIL 2007

Time: 2.00 p.m. - 5.30 p.m.

Half Day Seminar on "State of the Art on Hydronic Balancing in HVAC"

Speaker: Mr. Mariusz Jedrezejewski

Venue: 2nd Floor, IEM Conference Hall

30 APRIL 2007

Time: 9.00 a.m. - 1.00 p.m.

Half Day Seminar on "Measurement and Verification of Energy Savings Using the International Performance Measurement and Verification Protocol (IPMVP)"

Speaker: Dr Jim K. Y. Lim

Venue: 2nd Floor, IEM Conference Hall

Electrical Engineering Technical Division

26 APRIL 2007

Time: 8.30 a.m. - 5.30 p.m.

One Day Seminar on Gensets and Flywheel UPS System

Speaker: Mr. Mike Tor and Mr. Kwok Yew Hoe

Venue: 2nd Floor, IEM Conference Hall A

28 APRIL 2007

Time: 11.30 a.m. - 12.30 p.m.

22nd AGM

Venue: Hotel Singgahsana, Petaling Jaya

Environmental Engineering Technical Division

28 APRIL 2007

Time: 9.00 a.m. - 10.00 a.m.

Technical Talk on "Legal Aspects on Indoor Air Quality in Malaysia"

Speaker: Tuan Hj. Anuar Mohd. Mokhtar (DOSH)

Venue: 2nd Floor, IEM Conference Hall

28 APRIL 2007

Time: 10.30 a.m. - 11.30 a.m.

Technical Talk on "Clean Development Mechanism (C.D.M.) - Carbon Credit Program for the Malaysian Palm Oil Industry"

Speaker: Mr. BP Chow

Venue: 2nd Floor, IEM Conference Hall

28 APRIL 2007

Time: 11.30 a.m. - 12.30 p.m.

15th AGM

Venue: 2nd Floor, IEM Conference Hall

Geotechnical Engineering Technical Division

4 - 7 MAY 2007

Time: 8.30 a.m. - 5.00 p.m.

3-Days Workshop and Lectures on Soft Clay Behaviour, Analysis, Design Procedures and Case Studies of Embankments, Excavations and Foundations

Speaker: Prof. A. S. Balasubramaniam

Venue: Tiara Delima Room, Hotel Singgahsana, Petaling Jaya

Graduate and Student Section

19 - 21 MAY 2007

Time: 9.00 a.m. onwards

IEM G&S / IES YMC Meet 2007

Venue: Universiti Teknologi Malaysia, Johor Bahru

IEM BRANCHES DIARY OF EVENTS 2007

Sarawak IEM Branch

30 JUNE 2007

Annual General Meeting

Venue: UPC

7 JULY 2007

Annual Dinner

Venue: Crowne Plaza Riverside Kuching

Malaysia

26 April 2007

MBAM CONFERENCE 2007 – "GOING GLOBAL... CHALLENGES AND OPPORTUNITIES"

Venue: Sime Darby Convention Centre

Organiser: MBAM

Tel: +60 3 7984 8636

Fax: +60 3 7982 6811

E-mail: mbam05@mbam.org.my

Website: www.mbam.org.my

(Invitation to Register – before 16 April 2007)

5 - 7 November 2007

CONFERENCE ON SUSTAINABLE BUILDING AND CONSTRUCTION IN SOUTH-EAST ASIA (SB07SEA) – "STRATEGIES FOR IMPLEMENTATION"

Venue: Berjaya Times Square Hotel & Convention Centre, KL

Organiser: UTM

Tel: +60 7 553 1936 / 553 2145

Fax: +60 7 553 1934

E-mail: sb07sea@yahoo.com

Website: www.cibklutn.com

(Call for Papers – before 27 April 2007)

Taiwan

25 - 28 June 2007

4TH CECAR (CIVIL ENGINEERING CONFERENCE IN THE ASIAN REGION)

Venue: Taipei, Taiwan

Organiser: ACECC

Tel: +886-2-2392-6325

Fax: +886-2-2504-4362

E-mail: zoe329@elitepco.com.tw (Ms. Zoe Chang)

Website: www.acecc.net

Hong Kong

September 2007

THE HKIE OUTSTANDING PAPER AWARD FOR YOUNG ENGINEERS/RESEARCHERS 2007

Venue: Hong Kong

Organiser: HKIE

Tel: (852) 2895 4446

Fax: (852) 2203 4133

E-mail: hkietransactions@hkie.org.hk

Website: www.hkie.org.hk/paper_award2007

(Call for Papers – before 13 April 2007)

Japan

27 - 29 October 2007

8TH INTERNATIONAL SYMPOSIUM ON UTILISATION OF HIGH-STRENGTH AND HIGH-PERFORMANCE CONCRETE

Venue: Toshi Center Hotel, Tokyo

Organiser: JCI, PCEA, FIB

Fax: ++81-3-3263-2115

E-mail: 8hsc-hpc@jci-web.jp

Website: www.jci-web.jp/8HSC-HPC

(First Announcement)

Korea

1 December 2007

12TH ASIAN CONGRESS OF FLUID MECHANICS (12ACFM)

Venue: Daejeon Convention Bureau, Daejeon, Korea

E-mail: 12acfm@gmail.com / 12acfm@korea.com

Website: <http://12acfm.kaist.ac.kr>

(Call for Papers – before 1 December 2007)



IEM TRAINING CENTRE SDN. BHD. (127273-K)

(Wholly owned subsidiary of The Institution of Engineers, Malaysia)

No.33-1A (1st Floor), Jalan 52/18

P.O. Box 224 (Jalan Sultan), 46720 Petaling Jaya, Selangor Darul Ehsan

Tel: 03-7945 4015/7958 6851/7955 6851 Fax: 03-7958 2851 Email: iemtcbsb@gmail.com

APRIL 2007

COURSE TITLE	DATES	VENUE
BEM Course – Engineering Management Practice	12 & 13 April	Kuching
BEM Course – Code of Ethics/Regulations	17 & 18 April	IEM Training Centre
BEM Course – Engineering Management Practice	24 & 25 April	IEM Training Centre

MAY 2007

COURSE TITLE	DATES	VENUE
Soft Clay Behaviour and Case Studies of Embankments and Excavations with and without Ground Improvements	4, 5 & 7 May	Hotel Singgahsana Petaling Jaya
SEAGC Conference and Exhibition	8 - 11 May	Subang Sheraton
BEM Mandatory Course – Safety and Health at Work	8 & 9 May	IEM Training Centre
BEM Mandatory Course – Code of Ethics/Regulations	15 & 16 May	IEM Training Centre
Contract Administration for Site Personnel	22 & 23 May	Johor Bahru
BEM Mandatory Course – Safety and Health at Work	24 & 25 May	Johor Bahru
BEM Mandatory Course – Engineering Management Practice	29 & 30 May	IEM Training Centre

JUNE 2007

COURSE TITLE	DATES	VENUE
Payments and Variations/Delay, Extension of Time and Damages	5 & 6 June	Dungun
BEM Mandatory Course – Safety and Health at Work	8 & 9 June	IEM Training Centre
Overview of Power System Protection and Control	13 - 15 June	IEM Training Centre
BEM Mandatory Course – Engineering Management Practice	19 & 20 June	IEM Training Centre
BEM Mandatory Course – Code of Ethics/Regulations	22 & 23 June	IEM Training Centre
Contract Administration for Site Personnel	26 & 27 June	Kota Kinabalu
BEM Mandatory Course – Safety and Health at Work	28 & 29 June	Kota Kinabalu

RELOCATION OF IEM TRAINING CENTRE

With effect from 1 April 2007, IEM Training Centre Sdn. Bhd. will be relocated to **No. 33-1A (1st Floor), Jalan 52/18, P.O. Box 224 (Jalan Sultan P.O.), 46720 Petaling Jaya, Selangor Darul Ehsan**. The new telephone numbers are **603-79454015, 603-79586851, 603-79556851** and fax number is **603-79582851**. Our email address remains unchanged.

CALLS FOR NOMINATIONS

Dear all,

Call for Nominations for Award on:-

- Hassib J-Sabbagh Award for Engineering Construction Excellence
- Said Khoury Award for Engineering Construction Excellence
- Medal of Engineering Excellence
- Medal of Excellence in Engineering Education

For those who are interested to participate, kindly submit all supporting documents by 30 June 2007 to the:

WFEO/FMOI

Maison de l'UNESCO

1, rue Miollis – 75015 Paris (France)

Tel : +33(0)1 45 68 48 46

Fax : +33(0)1 45 68 48 65

E-mail : tl.fmoi@unesco.org

Website : www.wfeo.org

**3-Days Workshop and Lectures on
Soft Clay Behaviour, Analysis, Design Procedures and Case Studies of
Embankments, Excavations and Foundations
(4, 5 & 7 May 2007)
by: Professor A. S. Balasubramaniam**

INTRODUCTION

Even though with the progress of time, expenses related to site investigation works are made rather tight. The Workshop begins with site investigation works in soft clay deposits. Then the interpretation of data from the laboratory tests such the Oedometer tests and the triaxial tests will be covered. The soft clay behaviour is then looked at from a normalisation concept as adopted as well as from the so-called critical state concept, wherein the water content or voids ratio plays a dominant role in characterising the engineering properties. Also, simple concepts of soft clay models as developed originally and used in teaching extensively to familiarise with the prediction of pore pressures in undrained mode as well as deformations in undrained and drained modes will be discussed. The relevant small scale in-situ tests such as the vane tests and penetrometer tests will also be included. This will then be followed by methods used in stability analysis and deformation computations. Case studies will then be included in the case of embankments and excavations with ground improvement techniques. The use of vertical drains and surcharge as preloading techniques will be covered extensively. Also, the use of deep mixing techniques, methods and applications will be explained with practical case histories. Aspects such as negative skin friction in piling works will also be covered.

BIO-DATA OF LECTURER

Prof. A.S.Balasubramaniam graduated in Civil Engineering from University of Ceylon, Colombo in 1963. He obtained his Ph. D from Cambridge University at a time when Ken Roscoe was the Head of the Soil Mechanics Group. He was also a post-Doctorate Fellow at the Norwegian Geotechnical Institute (NGI) from 1969 to 1970 when Dr. Bjerrum was the Director of the Institute. Prof. Bala taught for three years in Sri Lanka and then moved to AIT in Bangkok to work under the leadership of Dr. Za-Chieh Moh. There he stayed for twenty-seven years and retired as a Chair Professor in 2001. Prof. Bala spent a year at the Nanyang Technological University as a Visiting Professor and now serves as a Professor of Geotechnical Engineering at the Griffith University, Gold Coast Campus. Prof. Bala hold or held the Fellowship in the Geological Society of London, ICE (London), ASCE, EA(Australia), IEM (Malaysia), and IE Hong Kong etc.

He has been actively involved in research and practice on soft clay behaviour and he has been associated with most of the major projects in Bangkok during his stay at AIT from 1973 to June 2001. The projects include dockyards, expressways, tall buildings and the international airport among other similar projects. At the Griffith University he has continued to carry out practice oriented research work in South-east Queensland similar to what he has been engaged before.

REGISTRATION FEES

IEM member	-	RM 600.00 (10% discount if registered also for 16SEAGC)
Non-member	-	RM 1,050.00

CONTACT

For further enquiries, please contact the IEM Training Centre Sdn. Bhd. at

IEM Training Centre Sdn. Bhd.
No. 33-1A (1st Floor), Jalan 52/18
P.O. Box 224 (Jalan Sultan)
46720 Petaling Jaya, Selangor
Tel: 03-79454015/ 03-79586851/ 03-79556851 or fax: 03-79582851 or e-mail: iemtcbsb@gmail.com

Forms can be downloaded from the IEM website at www.iem.org.my

NOTICE

Dear all members and readers,

RE: **Standard legends and attributes for water supply submission**

Please be informed that the softcopy of the SYABAS' Standard Legends and Attributes for use in watter supply submissions is now available on SYABAS' website at www.syabas.com.my

Thank you.

Report on Half-Day Seminar on “Waterproofing By Crystallisation Process”

By : **Engr. Dr Jeffrey Chiang Choong Luin**, M.I.E.M., P.Eng.

The Civil and Structural Engineering Technical Division of IEM, with the kind sponsorship by the local product distributor, Rovski Sdn. Bhd., organised a half-day seminar on “Waterproofing by Crystallisation Process”.

The seminar was held on 15 September 2006 at Armada Hotel, Petaling Jaya. It was presented by Mr. Alain Lok, the International's Regional Manager of Kryton for Asia Pacific and Europe, who has up to 10 years of international business management experience. Besides his managerial responsibilities, he also provides full technical support to both distributors and end-users. Alain has vast experience in giving public seminars and presentations internationally, including during the recent 2006 World of Concrete exhibition in Las Vegas, USA. Alan is an active member of various industry associations, including the Vancouver Board of Trade, the Korea Board Trade, The British Columbia Ready-Mix Concrete

Association and American Concrete Institute (ACI).

The seminar, chaired by Engr. Boone Lim, was well attended by 104 participants. A brief description of the seminar is as follows.

Alain started off the seminar by giving an introduction to the terms and definitions used, especially on the crystallisation process. It was through research, innovation and a collaborative approach to problem solving, in which a technique was pioneered to meet the demands by the construction industry for durable and long-lasting infrastructures world-wide. This technique is essentially a water-insulation method, designed to waterproof, repair and protect new as well as existing concrete structures.

The presenter proceeded to describe how the waterproofing by crystalline process has been applied to projects ranging from high-rise office and residential towers, industrial buildings and parking lots, to highway bridges,

tunnels, power dams and water containment structures. In summary, the various topics as addressed by Mr. Alain Lok are as listed below:

- Introduction to Admixture-type Crystalline Waterproofing System
- Brush-on type, crack repair and waterstop joint systems
- Hot weather concreting applications
- Product demonstration on crack repair and waterstop system

The product demonstrations by Alain and his associates were well received by the participants, who were encouraged to have a go in putting theories learnt, into practice on the spot.

The seminar was adjourned by midday, after an interesting and lively question and answer session. Mr. Alain Lok was presented with tokens of appreciation by the organisers of the event, for his invaluable contributions to the knowledge and benefits of local practicing engineers in the field of waterproofing and crack repairs in concrete structures. ■

Report for Talk on Some Aspects of Debris Flow – As it Occurs in Malaysia by Engr. Dr Ting Wen Hui

By : **Engr. Tan Yean Chin**, F.I.E.M., P.Eng.

Engr. Dr Ting Wen Hui started his talk by defining what is a debris flow. Debris flow is a natural hydraulic-geotechnical phenomenon that has been reported in various parts of the world. A total of 100 participants attended the talk held in IEM on 29 November 2005. He highlighted that debris flows do not occur as frequently as landslides in Malaysia and as a result of which there is no clear recognition of the problem. The impact of debris flow becomes apparent when it traverses or is obstructed by a roadway or some human settlement. The immediate

mechanism that distinguishes one from the other is that debris flow emerges from a streambed or a hill/mountain site, whilst a landslide is a slip of the flank of a hill or bank.

Dr Ting also presented a case study of debris flow in Malaysia, where some hydraulic and geotechnical data was collected and analysed. It can be said that debris flow results from the dam break of a barrier across the stream that has been “naturally” built up; releasing significant amount of water at high velocity and carrying along with it the debris upstream and downstream of the

natural barrier. The “debris” besides comprising materials ranging between boulders and mud also consists significant amount of timber logs and other vegetable matters. Although of natural occurrence, certain hydraulic and geotechnical factors that may have contributed to the debris flow phenomenon could be identified. From the factors, certain mitigating measures may be recommended. Hydraulic factors dominate the impact of the debris flow, whilst geotechnical factors determine the formation of the natural barrier and the materials of the debris. ■

Report on Half-Day Seminar on “Design of Post-Installed Fastening System (Mechanical and Chemical Anchors) and Rebars”

By : *Engr. Dr Jeffrey Chiang Choong Luin, M.I.E.M., P.Eng.*

The Civil and Structural Engineering Technical Division of IEM, with the kind sponsorship by the local product distributor, Hilti (Malaysia) Sdn. Bhd., organised a half-day seminar on “Design of Post Installed Fastening System (mechanical and chemical anchors) and Rebars”. The seminar was held on 12 December 2006 at Armada Hotel, Petaling Jaya. It was presented by Mr. Voon Khin Boon, the technical manager in the Engineering Department of Hilti (M) Sdn. Bhd. Mr. Voon graduated with a Bachelor Degree in Civil Engineering (Hons) from UNITEN (University Tenaga Nasional). He joined Hilti (M) Sdn. Bhd in 2003 and currently has nearly 4 years of experience in post installed anchor design and rebar design with related site applications.

The seminar, chaired by Engr. Teoh Teik Seng, was well attended by 165 participants. And for these signed up participants, Hilti has kindly given as door gifts, Hilti manuals, a CD on anchor design and other souvenirs. A brief description of the seminar is as follows.

The General Manager of Hilti (Malaysia) Sdn. Bhd. started off the seminar by giving a brief presentation

of Hilti Corporation internationally (based in Schaan, a Principality of Liechtenstein) and locally. From thereon, Mr. Voon proceeded with the seminar by revealing the latest state-of-art design in fastening technology, from Hilti’s perspective. The seminar also touched on aspects of post-installed fastening systems.

Mr. Voon described how the demand for fast paced construction and the increasing use of precast parts with mixed construction methods, has highlighted the usefulness of post installed anchors in allowing for alternative designs. He then provided the latest updates on post installed anchoring system, and design procedures according to ETAG guideline (European Technical Approval Guideline for Metal Anchor for used in Concrete). The guideline establishes the basis for assessing and designing of anchor system for different anchor types to be used in cracked and non-cracked concrete. Dynamic design relating to post installed fastening system was also presented.

Mr. Voon continued to introduce the basis of a newly developed design concept for post installed rebar design,

involving a strut-and-tie modelling for transfer of spear force and splitting design for post installed rebar in keeping with ACI 318 design code.

In summary, the various topics as addressed by Mr. Voon Khin Boon are as listed below:

- Principles of anchor design
- ETAG design concept
- Dynamic design
- Rebar design concept
- Frame node
- Rebar vs. anchor design

The seminar was adjourned by midday, after an interesting and lively question and answer session. Interestingly, a point was raised whereby the Hilti anchor system did not take into consideration of torsion or twisting effects of structural components such as beams.

The seminar presenter, Mr. Voon Khin Boon was presented with tokens of appreciation by the organisers of the event, for his invaluable contributions to the knowledge and benefits of local practicing engineers in the field of structural design and construction using post-installed anchor and rebars. ■

Talk on “Common Application of Reduction in Load-Transfer for Geotechnical Works”

By : *Engr. Liew Shaw Shong, M.I.E.M., P.Eng.*

This talk was held at IEM Conference Hall, Bangunan Ingenieur, Petaling Jaya on 22 March 2006 with overwhelming number of 138 registered participants. The speaker, Engr. Dr Ooi Lean Hock started the talk with illustrations from the various isolation methods in the application of instrumentation and geotechnical testing

scheme. Most isolation methods are with the aim to eliminate any unwanted disturbances in order to obtain proper target measurement. He also demonstrated an application of using very simple and economical metal sheet to debond a segment of the bored pile in a testing scheme at a limestone formation. High strain dynamic pile tests

have been used to validate the effectiveness of such debonding approach. The results show convincing outcome.

After the presentation, there were lively discussions from the audience and the speaker. The talk was successfully adjourned at 6.30 p.m. ■

NEW BOOK ANNOUNCEMENT

No	Description	Catalogue No.
1.	Geotechnical Engineering Investigation Handbook Roy E. Hunt	624.151 HUN / 004900
2.	A Numerical Library in JAVA for Scientists and Engineers Hang T Lau	005.13 LAU / 004901
3.	Handbook of Chemical Engineering Calculations – 3 rd edition / Nicholas P. Chopey	660.021 CHO / 004902
4.	Reinforced Concrete Slabs – 2 nd edition / Robert Park and William L Gamble	624.012 PAR / 004903
5.	Reaction Kinetics / Michael J Pilling and Paul W Seakins	541.394 / 004904
6.	Thermodynamics of Chemical Processes / Gareth Price	541.369 PRI / 004905
7.	Introduction to Synthetic Polymers – 2 nd edition / Ian M Campbell	668.9.21CAM / 004906
8.	Polymer Chemistry an Introduction / Malcolm P Stevens	660.84(021) WAN / 004907
9.	Planning and Design of Ports and Marine Terminals – 2nd edition / Hans Agerschou	627.2 PLA / 004895
10.	Dynamics of Marine Sands: A Manual For Practical Applications / Richard Soulsby	558.62.21 SOU / 004897
11.	The Design of Modern Steel Bridge / Sukhen Chatterjee	624.25.21 CHA / 004898
12.	Design Guide For Composite Highway Bridges / David C Iles	624.2.21 IIE / 004910
13.	Human Factors Methods For Design Making System Human Centered / Christopher PN	620.82 NEM / 004911
14.	Mathematical Methods In Physics And Engineering With Mathematical / Ferdinand F Clap	530.15 CAP / 004912
15.	Chemical Reaction Engineering: A First Course / Ians S.Metcalf	660.299.21 MET / 004913
16.	Statistical Thermodynamics / Andrew Maczek	541.369.21 MAC / 004914

DONATED BY MECHANICAL ENGINEERING TECHNICAL DIVISION

No	Description	Catalogue No.
1.	A Course on Electrical Installation Estimating and Costing / Gupta, JB	621.31 GUP / 004885

DONATED BY PROJECT MANAGEMENT TECHNICAL DIVISION

No	Description	Catalogue No.
1	Results Without Authority / Tom Kendrick	658.4 KEN / 004915
2.	Value Engineering and Cost Control-A Fast Track To Profit Improvement / Surender Kumar and Anshu Agarwal	65.015 SUR / 004916
3.	Research Methods For Construction / Richard Fellows and Anita Liv	624.072 FEL / 004917
4.	Value Engineering: A How To Manual / SS Iyer	65.015 / IYE / 004919
5.	The Project Management Scorecard: Measuring The Success of Project Management Solutions / Jack J Phillips and Timothy W Bothell	658.404 HAR / 004920
6.	Understanding the Construction Client / David Boyd and Ezekiel Chinyio	690.668 BOY / 004921
7.	Smith, Currie and Hancock's Common Sense Construction Law: A Practical Guide For The Construction Professional / Thomas J Kelleher	346.730 SMI / 004922
8.	Building Design Cost Management / David Jaggat, Andy Ross and Jim Smith	690.068 JAG/ 004923

Note: IEM Library is open from 9.00 a.m. to 6.00 p.m. (Mon - Fri) and 9.00 a.m. to 4.00 p.m. (Every Saturday)

16th Southeast Asian Geotechnical Conference & Exhibition 2007 (16th SEAGC)

Introduction

The Southeast Asian Geotechnical Society (SEAGS) consists of four countries; Thailand, Malaysia, Singapore and Taiwan and it was agreed at the 15th SEAGC conference held in Bangkok in December 2004 that Malaysia is to host the 16th Southeast Asian Geotechnical Conference in 2007.

Who Should Attend

Civil, Structural and Geotechnical engineers, project managers, geologists, contractors, developers, academicians and others who are involved in developments, construction industry and research

Conference Sessions:

- Properties and Characterisation of Soils and Rocks
- Embankment and Dams
- Foundations
- Design Analysis and Modelling
- Geosynthetics and Geo-Products
- Retaining Systems
- Ground Improvement
- Slopes
- Soil Dynamic, Earthquake Engineering and Tsunamis
- Laboratory and Field Testing and Centrifuge
- Tunnelling and Engineering Geology

40th Anniversary of SEAGS

2007 marks the 40th Anniversary of SEAGS. A special commemorative volume compiling the development, advancement and achievements in geotechnical engineering in various ASEAN member countries in the last 40 years will be published. This publication will be given complimentary to participants who have registered for the 16th SEAGC and this publication is in addition to the Conference Proceedings.

Social Program

This year, Malaysia celebrates its 50th year of Independence and it is Visit Malaysia Year. Optional tours may be arranged for accompanying persons to take advantage of the many visits planned by the Tourism Board of Malaysia. Experience friendly, multicultural Malaysia and the many shopping havens and sumptuous eateries.

Technical Visits

Technical visits will be arranged for those who are interested at the time of the conference.

Official Language

The official language of the Conference is English

Registration Fees

Presenting Author	RM 900
SEAGC/IEM/ICE Member	RM 900
Non-Member	RM 1200
IEM Student Member	RM 450
Accompanying persons	RM 400

Registration Fees Include

- Participation in all technical sessions and exhibition
- Printed Proceedings and CD
- Lunch and coffee breaks
- Conference Banquet
- Technical visits on first come first served basis

IEM Sarawak Branch Committee Members

Current Chairman	Engr. Zawawi Embong
Immediate Past Chairman	Engr. Datu Hubert Thian Chong Hui
Current Honorary Secretary	Engr. Alan Tan Khiok Chun
Current Honorary Treasurer	Engr. Tom Chong Kuet Fung

AGREEMENT OF CO-OPERATION (AOC) BETWEEN IEM AND EA (ENGINEERS AUSTRALIA)

Engr. PE Chong, *F.I.E.M., P.Eng.*
Chairman, IEM Standing Committee on Corporate Affairs

On 3 December 2006, IEM renewed their existing AOC with EA at a simple ceremony at IEM Headquarters in Petaling Jaya.

For the information of IEM members, the AOC will facilitate membership into EA as spelled out clearly in Clause 6 –

“Reciprocal Recognition for Membership”

- 6.1 The two organisations agree to recognise as equivalent in substance and standard the criteria and procedures by which EA admits persons to the status of Chartered Professional Engineer and IEM admits persons to the status of Corporate Member. Each organisation requires:
- an engineering degree accredited or recognised by the organisation, or qualifications gained by other means and formally assessed by the organisation as equivalent, to the standard represented by the Washington Accord;
 - a period of professional formation and responsible experience in engineering environments under the general supervision of the organisation;
 - evidence of continuing professional development;
 - submission of an engineering practice report in the organisation’s prescribed format;
 - satisfactory performance at a professional interview conducted by not less than two qualified representatives of the organisation.
- 6.2 A person who, having met the requirements in Clause 6.1, has been admitted as a Corporate Member of IEM and remains in good standing, will normally be admitted as a Member and Chartered Professional Engineer by EA without formal examination or interview.
- 6.3 A person who, having met the requirements in Clause 6.1, has been admitted as a Chartered Professional Engineer by EA and remains in good standing, will normally be admitted as a Corporate Member of IEM without formal examination but an interview is however necessary.
- 6.4 A member of one organisation seeking admission to membership of the other organisation under this Agreement should make application in the normal format prescribed by the receiving organisation. The supporting material required should comprise the candidate’s professional Curriculum Vitae plus evidence of their existing membership. It should not be necessary to submit all of the detailed documentation normally required in support of an application.
- 6.5 The receiving organisation will seek certification from the candidate’s existing organisation of their current standing as a member. Such certification, if satisfactory, will be accepted as evidence that the requirements set out in Clause 6.1 have been met, and accepted in lieu of personal references or statement of support from members of the receiving organisation.
- 6.6 While recognising the equivalence in professional standing of the individuals concerned, the two organisations agree that admission to the grade of Fellow should be handled within the receiving organisation according to its own procedures, rather than by automatic transfer.
- 6.7 Each organisation will maintain its own fee structures and administrative systems but will simplify the admission process for candidates applying under this Agreement, as far as is reasonably possible. No entrance fee will be charged to candidates admitted under this Agreement. Normal annual subscriptions will be payable.
- 6.8 This Agreement applies only to those members who have been admitted to membership of their respective organisation through its own admission procedures and eligibility criteria. It does not apply to members of either organisation who have become members through reciprocal recognition or similar arrangements with third organisations.
- 6.9 Each organisation retains full discretion as to the admission of any person to any grade of membership. However, where an individual who is a member in good standing of one of the two organisations applies for membership of the other organisation under this Agreement, and is refused admission to membership in the equivalent grade as set out above, details of the reason for refusal will be notified to the original organisation.

The AOC will facilitate Corporate members of IEM wanting to be Member and Chartered Professional Engineer of EA.