



AGSSEA



SEISMIC DESIGN USING EUROCODE EC8

20 & 21 May 2009

Organized by:

**Association of Geotechnical Societies in Southeast Asia (AGSSEA)
Construction Industry Development Board &
IEM Training Centre Sdn. Bhd.**

Supported by:

IEM Geotechnical Engineering Technical Division

BEM Approved CPD hours = 16. Reference no. IEM09/TC/009/C
CIDB CCD Points = 16

TOPICS

- A brief introduction to Eurocode 7
- Introduction to Eurocode 8
- Seismic Design of Foundations
- Seismic Design of Landslides
- Seismic Design of Earth Dams and Rockfill Dams
- Seismic Design for Solid Waste and Landfills
- Seismic Design for Tunnelling and Underground Space
- Comparative Design for Static and Dynamic Design of Geotechnical Structures

*CIDB rebate for RM100.00
for eligible participants.
Conditions apply.*

BIODATA OF LECTURER

Pedro S. Sêco e Pinto is Licenciated in Civil Engineer (6 years course) (with honours) in 1971, maintained a link with the industry between 1971 - 1975, received Master of Engineering (with honours) in 1977. He was awarded two academic degrees Specialist in Geotechnique (Ph.D. Degree), with honours, in 1983 and Principal Research Engineer (Full Professor degree), with high honours, in 1992 at LNEC. He was elected Vice-President for Europe 2001-2005.

He is Full Professor of Geotechnical Engineering of University of Coimbra (since 1994) and Invited Professor of University New of Lisbon (since 1983). He was Invited Lecturer in University of California (1992-1994). He served as Chairman of TC4 "Earthquake Geotechnical Engineering"(ISSMGE) (1994-1999) and President of Portuguese Geotechnical Society (1996-2000). He was Head of Division at LNEC from 1986- 2004.

He has acted as United Nations Consulting for Design, Instrumentation and Surveillance Technology for Dams and other Hydraulic Structures. He has been an active consultant working on major projects throughout Europe, Asia, Africa and South America. He is author or co-author of 300 technical reports and more than 100 papers for journals, national and international conferences. He is editor of proceedings for 4 international conferences on Earthquake Geotechnical Engineering and Environmental Geotechnics and contributed for four books. He has presented special lectures and state-of-the art reports in more than 75 countries in the 6 Regions.

His principal areas of interest include soil dynamics, earthquake engineering, embankment dams, special foundations, tunnelling, ground improvement, landslides and environmental geotechnics. He is a member of several national and international Societies, Technical Committees and Editorial Boards and has participated in several European Community Projects. He is the Editor of Geotechnical and Geological Engineering Journal of Springer. He has been organizer and co-organizer of more than 15 national and international conferences, symposia and seminars. He has received many awards and honours.



Winning A Construction Contract Dispute



27 & 28 May 2009

**CIDB rebate for
RM100.00 for
eligible participants.
Conditions apply.**

Organised by:
IEM Training Centre Sdn. Bhd.

Supported by:
Construction Industry Development Board

BEM Approved CPD Points = 16. Ref no. IEM09/TC/108/C
CIDB CCD Points = 16

SCOPE

The coverage of the Course is intended to provide the participant with a practical, work-related and hands-on appreciation of the scope and operation of the legal framework within which construction projects are conceptualised, planned and implemented. It is designed principally for decision-makers with hands-on exposure in the construction industry. An underlying grasp of the close inter-linkages between construction management decisions and established principles of construction law will ensure a solid base on which to undertake successfully any project - from a simple unitary refurbishment project to a mega-scale construction complexity involving the latest technology.

FOCUS

The focus of the Seminar/Course is not to transform an engineer/architect/quantity surveyor into a 'legal expert' but to equip him/her with an invaluable insight into the legal consequences of any managerial/technical decision he is expected to make. The avoidance of disputes arising from ambiguously-worded contracts is both a great time-saver and a monumental money-saver. Litigation and lengthy Court battles, while providing work to lawyers, could instead be a 'work-stopper' for engineers, architects, contractors, quantity surveyors and the entrepreneur-project owner. It drains funds earmarked for the project and more importantly, saps morale and enthusiasm towards completing an ongoing project and may even discourage embarking on a new one in future.

BENEFIT FROM ATTENDANCE

An ominous point that can hardly be over-emphasised is that it serves no purpose if a massive project employing state-of-the-art construction technology and techniques, has as its 'Achilles-heel' weakness, an inherent indifference to or even a blissful ignorance of the relevant legal implications of its key operational decisions. The old adage that "Prevention is better than Cure", applies even more aptly to the Construction Industry, where 'time' is explicitly recognized to be "of the essence" in all Construction Contracts. Key technical management personnel at every level of the management structure must be adequately endowed with the skill and foresight to make decisions in the confidence that the technically sound basis of their actions are not 'compromised' by the uncertainty of its legal implications.

WHO SHOULD ATTEND

Any management level technical professional, from the level of trainee fresh graduate engineer, or the construction company's in-house legal executive up to the level of Project Director, should attend. The Course content and duration can be 'fine-tuned' to meet the exacting requirements of each management level. Each seminar begins with a common introductory approach to the General Subject Matter and then the emphasis is 'customised' for each section of the overall course content according to the needs and sophistication of each distinct group of seminar participants

ABOUT THE FACILITATOR

YEOH LIANG CHUAN had his early education in Klang in the 1960's. His tertiary education in chronological order, include:-

- i) Bachelor of Economics and Administration (Hons)
- ii) Master of Business Administration (Project Finance)
- iii) Bachelor of Law (Hons)
- iv) Certificate of Legal Practice
- v) Certificate in Arbitration

After an initial 5 years stint in the Government Service overlooking industrial development, he continued his professional career with a Public Corporation which has wide conglomerate-based and financial investment interests in excess of RM100 billion, including a full-fledged Construction division.

In his career of 25 years at the Corporation, he rose from Legal Affairs Manager, to Group Legal Advisor for the Construction-based, group of subsidiaries and associated companies. As a result, he acquired a wide-ranging hands-on exposure to the multi-faceted legal issues besetting the Construction industry. He gained invaluable experience from each unique project perspective, notably through representing the Corporation's interests in construction projects ranging in value for hundreds of millions to multi-billion ringgit, such as :-

- a) Project Owner/Employer – in the construction of the Corporation's 42-storey Headquarters building in KL's Golden Triangle.
- b) Build-and-Operate Highway Concessionaire – the design and construction Joint-Venture Company undertaking a 6-lane tolled highway linking the Middle Ring Road as a logistics artery to the nation's seaboard ports.
- c) Turn-key Government Contractor – building the first substantially elevated highway, from the City Centre to link up with the East-West Highway.
- d) Main Contractor – in the construction of a Government hospital in Perak, ancillary construction project in a marine environment and several trunk road projects in Sabah.

His diverse experience has provided him with a professionally-enriching experience of viewing Construction Contractual disputes from the standpoint of a Project Owner/Employer or that of a Contractor in the dispute resolution process.

He has also conducted a series of in-house training seminars for professionals/managers/directors, within the Corporation's more than 30 subsidiary and associated companies, with invited participants from the Government Linked Companies.

REGISTRATION FEES

IEM member	-	RM 600.00
Non-member	-	RM 700.00

All registration fees must be FULLY paid before commencement of the course. IEM Training Centre Sdn. Bhd. reserves the right to disallow entry for participant(s) who have not paid their registration fees to attend the course.

Important: Participants who are holders of the CIDB Green Card and have paid their registration fees in FULL are eligible for a rebate of RM100.00 of the registration fees. Please forward certified copy of the CIDB Green Card together with the registration form for verification. Upon confirmation of verification, IEM Training Centre will refund the rebate accordingly.

VENUE

2nd Floor, Wisma IEM
 21, Jalan Selangor
 46000 Petaling Jaya, Selangor Darul Ehsan

REGISTRATION FEES

IEM member – RM 600.00
 Non-member – RM 700.00

Important:

All registration fees must be FULLY paid to 'IEM TRAINING CENTRE SDN. BHD.' before commencement of the course. IEM Training Centre Sdn. Bhd. reserves the right to disallow entry for participant(s) who have not paid their registration fees, to attend the course. Acceptance of registration is on first come first secure basis.

REGISTRATION FORM

IEM Training Centre Sdn. Bhd.
 No. 33-1A (1st Floor), Jalan 52/18
 P.O. Box 224 (Jalan Sultan P.O.),
 46720 Petaling Jaya, Selangor Darul Ehsan,
 MALAYSIA

Tel no. 03-79586851

Fax no. 03-79582851

Email: iemtcsb@gmail.com

WINNING A CONSTRUCTION CONTRACT DISPUTE - 27 & 28 May 2009

No.	Name(s) in CAPITALS	IEM no.	P.E. no.	Fee (RM)
Total				

I am a holder of a valid CIDB Green Card

Name of Organisation: _____

Address: _____

Telephone no. (Off) _____ Fax no.: _____

E-mail: _____ Handphone no. _____

Contact person: _____ Designation: _____

Signature: _____

Date: _____



IMPLEMENTING THE PAM 2006 AND THE JKR 2007 FORMS OF CONDITIONS OF CONTRACT



16 & 17 June 2009 (Sibu, Sarawak)

**CIDB rebate for
RM100.00 for
eligible participant.
Conditions apply.**

Organised by:
**IEM Training Centre Sdn. Bhd.
IEM Sibu Branch**

Supported by:
Construction Industry Development Board

**BEM Approved CPD Points = 16. Ref. no. IEM09/TC/079/C
CIDB CCD points = 16**

1.0 OBJECTIVES

The PAM 1998 and JKR 1983 Edn. Forms of Conditions of Contract have been extensively used by the private sector and the public sector for their respective Contracts. These Forms have been recently updated as the PAM 2006 and JKR 2007 Forms and are already in use. As practitioners should be aware of these Forms, this 2 day course has been formulated with the following objectives.

- * To introduce the participants to the various Forms that have been revised;
- * To acquaint the participants with the various changes/revisions undertaken;
- * To expose the participants to the advantages and pitfalls of the new Forms especially as to risks, obligations, duties and liabilities;
- * To familiarize the participants with pointers to ensure proper implementation of the said Forms; and
- * To acquaint the participants with the relevant legal principles/case law relevant to these Forms.

2.0 COURSE CONTENTS

- Introduction to the JKR 2007 Forms
- The JKR 2007 Forms revised
- Main Changes to the JKR 203 and 203A Forms
- Main Changes to the JKR DB Form.
- Main Changes to the JKR 203N and 203P Forms
- The effects/consequences of the changes in practice and implementation
- Introduction to the PAM 2006 Forms
- The PAM 2006 Forms revised
- Main changes involving the PAM 2006 (With Quantities) Form
- Main Changes involving the PAM 2006 (Without Quantities) Form
- Main Changes involving the PAM 2006 NSC Form
- The effects/consequences of the changes in practice and implementation
- Discussion of relevant legal principles and case law.

3.0 PROFILE OF COURSE FACILITATOR

Ir. Harbans Singh K.S. qualified with a Bachelor of Engineering (Mechanical) degree from the University of Singapore. He commenced his engineering career with the Public Works Department Malaysia before joining, shortly after, an international German engineering consultancy practice with which he worked six years locally and then at their headquarters in Koblenz, West Germany firstly as a designer, then as a resident engineer and contract administrator. On his return to Malaysia, Ir. Harbans Singh served with a local engineering consultancy firm, eventually moving on to head a contract consultancy and management practice. Presently he is a director of HSH Consult Sdn Bhd, a firm providing contract consultancy, training and advisory services.

Ir. Harbans Singh is a registered Professional Engineer, Chartered Engineer, Arbitrator, Mediator and Conciliator. In addition to his engineering qualifications, he holds an LLB (Hons.) degree from the University of London and has been called to the Malayan Bar as an Advocate and Solicitor. In early 2003, Ir. Harbans Singh attended the Diploma in International Commercial Arbitration Course held in Oxford by the Chartered Institute of Arbitrators where he was awarded the Cedric Barclay Prize and the Institution's prize for achieving the highest marks in the Award Writing Examination and Arbitration Practice and Procedure Examination respectively.

Though not in active practice as a lawyer, Ir. Harbans Singh continues pursuing his interest in construction/building law through conducting courses and seminars, providing contract advisory/consultancy services plus the publication of papers in technical journals on this subject. He is a regular contributor to Buletin Ingenieur and Suara Perunding and was awarded in 2001 The Institution of Engineers, Malaysia's Tan Sri Hj. Yusoff Prize for an outstanding technical paper entitled "Failures Related to Geotechnical Works and the Law". To-date, he has successfully conducted courses and seminars on the above subject for bodies such as Board of Engineers, Malaysia, The Institution of Engineers, Malaysia, Association of Consulting Engineers, Malaysia, the Ministry of Development Brunei Darussalam and a host of private firms and organizations. He has also authored a series of books entitled "Engineering and Construction Contracts Management" which have been published by Lexis Nexis/Butterworths.

4.0 REGISTRATION FEE

IEM Member:	RM 650.00
Non-member:	RM 750.00

Important: Participants who are holders of the CIDB Green Card and have paid their registration fees in FULL are eligible for a rebate for RM100.00 of the registration fees from CIDB. Please forward certified copy of the CIDB Green Card together with the registration form for verification. Upon confirmation of verification, IEM Training Centre will refund the rebate accordingly.

Those who do not have the CIDB Green Card are advised to apply for the Green Card to be eligible for the CIDB rebate.

5.0 VENUE

**Kolej Bersatu Sarawak
323, Brooke Drive,
96000, Sibul,
Sarawak**



BEM Mandatory Course on

ENGINEERING MANAGEMENT PRACTICE

18 & 19 June 2009 (Sibu, Sarawak)

**CIDB rebate for
RM100.00 for
eligible participants.
Conditions apply.**

Organised by:
Board of Engineers, Malaysia

Supported by:
Construction Industry Development Board

Managed by:
IEM Training Centre Sdn. Bhd. &

OVERVIEW

**BEM approved CPD Hours = 16. Ref: IEM09/TC/076/C
CIDB CCD points = 16**

The need of a well-structured course on engineering management methodology is essential to practising engineers who have the intention to develop their career as well as to be decision makers in their organization. This programme is specially designed to expose engineers on the art of managing Engineering Companies. Financial knowledge for engineers, project management, the needs of information technology in preparation for the challenges into the next millennium and so forth. This programme, in total, will expose the engineers with the contemporary management and functional skills to enable them to manage their work more effectively.

OBJECTIVES

- To expose the aspects of managing engineering companies.
- To provide management principles to engineer – Culture, politics, motivation.
- To create financial understanding for the engineers.
- To highlight engineer's perspective on project financing.
- To give information on the importance of IT to engineers.
- To provide awareness on global trends of trade liberalization.

COURSE CONTENTS

- Engineering Management Philosophy: Programme Management & Project Management –
- The Differences.
- The Art of Managing Engineering Companies.
- Finance for the Engineers.
- Project Financing in Privatisation Deals.
- What is SHE?
- A Spread of Project Implementation Methods & Related Case Studies.
- IT in Engineering.
- Environmental Analysis on Impact of Trade Liberalization & Globalization.

REGISTRATION FORM – SibU, Sarawak

IEM Training Centre Sdn. Bhd.
 No. 33-1A, Jalan 52/18
 P.O. Box 224 (Jalan Sultan)
 46720 Petaling Jaya, Selangor D.E.
 Telephone No. 03-79586851

Fax No. 03-79582851

E-mail: iemtcsb@gmail.com

Please tick	Name of Course	Dates	Member	Non-member
	Implementing The PAM 2006 and JKR 2007 Forms of Conditions of Contract	16 & 17 June 2009	RM 650	RM 750
	BEM Engineering Management Practice	18 & 19 June 2009	RM 500	RM 500

Please register the above course(s) for the following participant(s): (Please tick where applicable)

No.	Name(s) in CAPITALS	IEM no.	P.E. no.	Fee (RM)
Total				

I am a holder of a valid CIDB Green Card

Important: Participants who are holders of the CIDB Green Card and have paid their registration fees in FULL are eligible for a rebate of RM100.00 of the registration fees from CIDB. Please forward certified copy of the CIDB Green Card together with the registration form for verification. Upon confirmation of verification, IEM Training Centre will refund the rebate accordingly.

Those who do not have the CIDB Green Card are advised to apply for the Green Card to be eligible for the CIDB rebate.

Enclosed herewith a crossed cheque no:.....for the sum of RM..... issued in favour of **"IEM TRAINING CENTRE SDN. BHD."**. I/We understand that the fee is not refundable if I/we withdraw after my/our registration is/are accepted but substitution of participant(s) will be allowed.

Name of Organisation: _____

Address: _____

Tel: (O) _____ Fax: _____

E-mail: _____ Handphone no. _____

Contact person: _____ Designation: _____

Signature: _____ Date: _____

ICE BRUNEL INTERNATIONAL LECTURE 2009

To be delivered by

Mr. Peter Head
OBE, FREng, FRSA
Director, ARUP

on the subject of

Entering the Ecological Age: The Engineer's Role

on Saturday, 20th June 2009 at 9.00am-12.00 noon
Conference Hall, Bangunan Ingenieur
Lot 60 & 62, Jalan 52/4
46200 Petaling Jaya
Selangor Darul Ehsan

Engr. Dr. Ooi Teik Aun
Organizing Chairman,
ICE Brunel International Lecture &
ICE Country Representative For Malaysia

Engr. Dr. Ting Wen Hui
Advisor

Jointly organized by:



**The Institution of Engineers,
Malaysia**



**Construction Industry
Development Board
Malaysia**

ice

**The Institution of Civil
Engineers, UK**

Managed by:

IEM Training Centre Sdn Bhd

The Speaker

Peter Head, OBE FEng FRSA – Director of ARUP, is a champion for developing global practice that demonstrates that the way we invest public and private money in the built environment could be made very much more effective if the public and private sector adopted sustainable development principles. He is a civil and structural engineer who has become a recognized world leader in major bridges (he received an OBE for successfully delivering the Second Severn Crossing as Government Agent), advanced composite technology, and now in sustainable development in cities. He has won many awards for his work including the Award of Merit of IABSE and the Royal Academy of Engineering's Silver Medal.

He joined Arup in 2004 to create and lead their planning and integrated urbanism team. He was appointed in 2002 by the Mayor of London as an independent Commissioner on the London Sustainable Development Commission and leads the planning and development sub-group of the Commission. He is a judge for the Prince Philip Designers' Prize.

Peter is project director for the planning and development of the Dongtan Eco-city demonstrator on Chongming Island in Shanghai, and the Wanzhuang Eco-City in LangFang near Beijing for the client Shanghai Industrial Investment Co.

Abstract of the Lecture

The Brunel lecture is one of the most prestigious ICE instituted lecture to commemorate the contributions of Isambard Kingdom Brunel (1806-1859). The lecture focuses on the major changes required in the development of infrastructure, policy, and legislation to mitigate and adapt to effects of climate change around the world.

This ground breaking lecture will outline the challenges facing us as society has to really address the problems caused by climate change and a burgeoning world population. Peter Read will review the major changes required in the development of infrastructure, policy and the role of the engineer, to enable climate change issues to be tackled in urban and rural areas, in both developing and developed countries.

Human development is now following a dangerously unsustainable path globally. Waves of investment in low and middle income countries are accelerating this problem because they are following an unsustainable model. Our urban areas and methods of food production consume land and non-renewable resources inefficiently. But we can do something to turn the situation around: we can move towards an ecological age.

“The breadth of this lecture shows those outside and inside the engineering profession that dealing with the problems we face cannot be done by policy alone. Radical transformation of the infrastructure that supports life on the planet is needed if we are to attain a sustainable future.”

The lecture brings together knowledge gained from a number of engineering projects around the world and builds on disciplines such as sustainable systems engineering, life-cycle analysis, industrial ecology and earth systems engineering.

Key points of focus include

- How we can achieve sustainable human development within our environmental limits by 2050.
- What policies, plans and approach to investment are needed in both developed and developing countries.
- Ways to significantly reduce greenhouse gas emissions whilst maintaining human development.
- The role of the engineer in planning, designing, and implementing this transition to an Ecological Age.

“Engineers have the necessary global experience to design and deliver essential new infrastructure systems. We can then move onto a new path in which human development is unhitched from resource consumption for the first time, starting the transition to an ecological age.”

REGISTRATION FEE

ICE/IEM members - RM 10.00
Non-members - RM 20.00

All cheques/bank draft must be crossed and made payable to “**IEM Training Centre Sdn Bhd**”.

IMPORTANT: All registration fees must be **FULLY** paid before commencement of the lecture, otherwise participants will not be allowed to attend the lecture.

REGISTRATION FORM

Ir. Engr. Dr. Ooi Teik Aun
 Organizing Chairman, ICE Brunel International Lecture 2009
 C/o The Institution of Engineers, Malaysia
 Lot 60 & 62, Jalan 52/4, P.O. Box 223 (Jalan Sultan)
 46200 Petaling Jaya, Selangor Darul Ehsan
 Telephone No. 03-79586851 Fax No. 03-79582851 E-mail: iemtcsb@gmail.com

**ICE Brunel International Lecture 2009
 20th June 2009**

No.	Name(s) in CAPITALS	ICE/IEM no.	P.E. no.	Fee (RM)
Total				

Enclosed herewith a crossed cheque no:.....for the sum of RM..... issued in favour of “**The IEM Training Centre Sdn Bhd**”. I/We understand that the fee is not refundable if I/we withdraw after my/our registration is/are accepted but substitution of participant(s) will be allowed. Places are limited and paid registration is on first come first serve basis.

Name of Organization: _____

Address: _____

Tel: (O) _____ Fax: _____

E-mail: _____ Handphone no. _____

Contact person: _____ Designation: _____

Signature: _____ Date: _____