

1-DAY SYMPOSIUM AND 1-DAY WORKSHOP ON EARTHQUAKE ENGINEERING IN MALAYSIA AND ASIA PACIFIC REGION
 6 & 7 Dec 2011

- I would like to attend Symposium only
- I would like to attend Workshop only
- I would like to attend Symposium and Workshop

*Please tick (✓) the appropriate box

REGISTRATION FEE		
Grade	Normal (Offline)	Online Registration
Symposium Only		
IEM/UTAR Student Member	RM250	RM200
IEM/UTAR Graduate Member	RM350	RM300
IEM/UTAR/MOSTI Corporate Member	RM500	RM450
Non Member	RM800	RM700
Workshop Only		
IEM/UTAR Student Member	RM150	RM100
IEM/UTAR Graduate Member	RM300	RM250
IEM/UTAR/MOSTI Corporate Member	RM450	RM400
Non Member	RM600	RM500
Symposium & Workshop		
IEM/UTAR Student Member	RM400	RM300
IEM/UTAR Graduate Member	RM650	RM550
IEM/UTAR/MOSTI Corporate Member	RM950	RM850
Non Member	RM1400	RM1200

Name(s)	Grade & Membership No.	Fees (RM)
Total Amount Payable		

Company: _____

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Please write clearly as the "Information Update" will be sent via email

Contact Person: _____ Designation: _____

Signature: _____ Date: _____

PAYMENT DETAILS

Cash RM _____

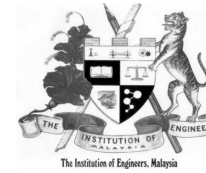
Cheque no. _____ for the amount of RM _____ (non refundable) and made payable to "THE INSTITUTION OF ENGINEERS, MALAYSIA" and crossed 'A/C Payee Only'.

FULL PAYMENT must be settled before commencement of the seminar, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. Registration fee includes lecture notes, refreshment and lunch.

For **ONLINE REGISTRATIONS**, please note that payment **MUST** be made **BEFORE** the closing date. If payment is not received within the stipulated time, the registration fee will be reverted to the normal registration fee.

FOR FURTHER DETAILS, KINDLY CONTACT:

Civil & Structural Engineering Technical Division c/o The Institution of Engineers, Malaysia
 Bangunan Ingenieur, Lots 60/62, Jalan 52/4, P.O. Box 223 (Jalan Sultan) 46720 Petaling Jaya
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1-DAY SYMPOSIUM AND 1-DAY WORKSHOP ON EARTHQUAKE ENGINEERING IN MALAYSIA AND ASIA PACIFIC REGION

Course Speakers

Prof. Dr. Nelson Lam
 Dr. Tsang Hing Ho
 Dr. Keiichi Tamura
 Prof. Murat Saatcioglu
 Dr. Kusnowidjaja Megawati
 Prof. Nguyen Dai Minh

6 & 7 December 2011 (Tues & Wed)
9.00 am – 5.30 pm
Armada Hotel Petaling Jaya

BEM Approved CPD/PDP Hours:
Symposium: 6.5 (IEM11/HQ/319/S)
Workshop: 6.5 (IEM11/HQ/324/W)

Closing Date: 28 November 2011

NO online registration will be allowed after the closing date

Co-organized by:

Civil & Structural Engineering Technical Division, IEM and
 Universiti Tunku Abdul Rahman (UTAR), KL Campus

Sponsored by:

Ministry of Science, Technology and Innovation (MOSTI)



TENTATIVE PROGRAMME FOR SYMPOSIUM Day1 - 6 December 2011

- 8.30am - *Registration of participants*
- 8.45am - *Arrival of Guest-of-Honour/VIP*
- 9.00am - *Welcoming speech by Organising Chairman, Ir. Assoc. Prof. Dr. Jeffrey Chiang*
- 9.10am - *Speech by Guest-of-Honour/VIP*
- 9.30am - *Opening & Introductory paper by Ir. Assoc. Prof. Dr. Jeffrey Chiang (Universiti Tunku Abdul Rahman)*
- 10.00am - *Break for morning refreshment*
- 10.15am - *Keynote paper "Modelling Displacement Controlled Behaviour of Structures for Regions of Low and Moderate Seismicity" by Professor Dr. Nelson Lam (Melbourne University)*
- 11.15am - *Invited paper "Regional Seismic Hazard Posed by the Mentawai Segment, Sumatra: Source, Path and Site" by Dr. Kusnowidjaja Megawati (Nanyang Technological University)*
- 12.00noon - *Invited paper "Performance Requirements and Design Spectrum Model for Structures in Regions of Low and Moderate Seismicity" by Dr. Hing-Ho Tsang (Hong Kong University)*
- 12.45pm - *Break for lunch*
- 2.00pm - *Special invited paper "Infrastructure Damage by the 2011 Great East Japan Earthquake" by Dr. Keiichi Tamura (Public Works Research Institute, Tsukuba, Japan)*
- 3.00pm - *Invited paper by Professor Nguyen Dai Minh (Vietnam Institute for Building Sciences & Technology – IBST)*
- 3.45pm - *Break for afternoon refreshment*
- 4.00pm - *Special invited paper "Canadian Seismicity and Seismic Design Practice in Canada" by Professor Murat Saatcioglu (University Ottawa)*
- 5.00pm - *Q&A session – open to participants*
- 5.30pm - *End of seminar*

TENTATIVE PROGRAMME FOR WORKSHOP Day2 - 7 December 2011

- 8.30am - *Registration of participants*
- 9.00am - *Welcoming speech by Organising Chairman, Ir. Assoc. Prof. Dr. Jeffrey Chiang*
- 9.15am - *Working paper on "PGA for Peninsular Malaysia & vulnerability of building structures to seismic effect", by Professor Dr. Nelson Lam (Melbourne University)*
- 10.15am - *Break for morning refreshment*
- 10.30am - *Working paper on "Seismic hazard assessment and earthquake ground motion modeling", by Dr. Hing-Ho Tsang (Hong Kong University)*
- 11.30am - *Working paper on "Site characterisation using microtremor survey method", by Dr. Kusnowidjaja Megawati (Nanyang Technological University)*
- 12.30pm - *Break for lunch*
- 1.30pm - *Formation of workshop groups: WSG1 (PGA & structural vulnerability), by Professor Nelson Lam WSG2 (Seismic hazard mapping), by Dr. Hing-Ho Tsang WSG3 (Site characterization using microtremor), by Dr. Kusnowidjaja Megawati*
- 2.00pm - *Discussion by workshop groups in separate rooms – to work on problems faced by researchers, and to come up with plausible solutions. Every WSG to appoint or elect a WSG leader among its members (NOT the WSG advisors)*
- 3.30pm - *Break for afternoon refreshment*
- 3.45pm - *Contributions by other invited panelists in giving views/opinions in workshop group discussion*
- 4.00pm - *Drawing up draft reports and powerpoint presentation slides by all three workshop groups – under supervision of WSG advisors*
- 4.30pm - *10-min oral and slide presentation by WSG1 leader*
- 4.45pm - *10-min oral and slide presentation by WSG2 leader*
- 5.00pm - *10-min oral and slide presentation by WSG3 leader*
- 5.15pm - *Cross-examination by workshop participants*
- 5.30pm - *Final summing up by workshop panelists*
- 5.45pm - *End of workshop*

ABOUT THE SPEAKERS

Professor Nelson Lam

Nelson Lam, Reader in Civil Engineering at The University of Melbourne, is an internationally recognized expert in earthquake engineering and structural dynamics. In the past 20 years, he has been researching and consulting widely in this field. His achievement in research and knowledge transfer in earthquake engineering and structural dynamics was recognized by the award of the Chapman Medal (1999), Warren Medal (2006) and Chapman Medal (2010) by Engineers Australia and the Best Paper Award (2004-2007) by the ISET Journal of Earthquake Technology. He served as member of the sub-committee for developing the new standard for Earthquake Actions in Australia and was co-editor and co-author of the standard's commentary. His early career was with Scott Wilson International as structural engineer in their Hong Kong Office throughout the 1980's and attained chartered engineer status in 1986. He was awarded the degree of Ph.D. in earthquake engineering at The University of Melbourne in 1993, master degree in concrete structures at Imperial College of Science & Technology, London in 1982 and bachelor degree in civil engineering with a first class honours at The University of Leeds, England in 1981

Professor Murat Saatcioglu

Murat Saatcioglu is a Professor of Structural Engineering and University Research Chair in Earthquake Engineering in the Department of Civil Engineering of the University of Ottawa, Ottawa, Canada. He is the current Director of the Hazard Mitigation and Disaster Management Research Centre of the same university and the Past-President of the Canadian Association for Earthquake Engineering. Dr. Saatcioglu received his M.A.Sc. from the University of Toronto, Ontario, Canada, and his PhD from Northwestern University, Evanston, Illinois, USA. His research interests include design, analysis and retrofit of structures subjected to earthquake loading. He has conducted extensive experimental and analytical research on earthquake resistant concrete structures, including the development of seismic design and retrofit methodologies for reinforced concrete columns and frames with and without masonry infill walls, as well as concrete and masonry shear walls.

Dr. Tsang Hing Ho

Hing-Ho Tsang obtained his B.Eng. and Ph.D. degrees from The University of Hong Kong and was awarded the Li Ka Shing Prize and Norman W.M. Ko Prize for the best Ph.D. thesis of the year by the university. He is currently a researcher at The University of Hong Kong, and responsible for lecturing earthquake engineering subjects at both undergraduate and postgraduate levels. He has been a visiting scholar at The University of Melbourne since 2004. Hing-Ho is regularly invited to give lectures internationally, notably including plenary keynote speech at the Australian Earthquake Engineering Conference in 2008. He has published over 70 technical publications. He has received the Asian Innovation Award from The Wall Street Journal, Endeavour Australia Cheung Kong Award from the Australian Government, Hsai-Yang Fang Research Award from The International Society of Environmental Geotechnology and Highly Commendable Paper Award in the Sixth International Conference on Shock and Impact Loads on Structures. He is a Member of the American Society of Civil Engineers and the Director of its Hong Kong Section.

Dr. Keiichi Tamura

Keiichi Tamura is currently a Research Coordinator for Earthquake Engineering, Centre for Advanced Engineering Structural Assessment and Research, Public Works Research Institute. He obtained his Doctor of Engineering, Master of Engineering as well as Bachelor of Engineering from University of Tokyo. Dr. Tamura is the recipient of the Scientific and Technological Research Merits award from the Ministry of Education, Culture, Sports, Science and Technology in 2004 and the Research Merits award from the Minister of Land, Infrastructure and Transport in 2007. He is a member of the Japan Society of Civil Engineers, Japanese Geotechnical Society, Japan Association for Earthquake Engineering and Road Engineering Association of Asia and Australasia.

Dr. Kusnowidjaja Megawati

Kusnowidjaja Megawati is an assistant professor in the School of Civil and Environmental Engineering and a Principal Investigator in Earth Observatory of Singapore, both at Nanyang Technological University. His principal research activities cover issues pertaining to seismic hazard identification and assessment. In 2006, he was appointed as an expert consultant in a seismic hazard and building vulnerability study commissioned by the Building and Construction Authority, Singapore. The ground-motion attenuation relationship developed by him has been officially selected to estimate seismic hazard of Singapore. Recently, he is also involved in tsunami hazard assessment for Southeast Asia, as a PI of a project commissioned by the National Environment Agency, Singapore. He obtained his BEng from Institute Technology Bandung and MEng and PhD from the University of Tokyo.

Professor Nguyen Dai Minh

Nguyen Dai Minh is currently a Director of Industrial, Infrastructural and Environmental Engineering of Vietnam Institute for Building Science & Technology (IBST), Hanoi, Vietnam. He obtained his Bachelor of Engineering (1-st class Honour) (Civil)(or Dipl. Ing., Golden medal) from Sofia University of Architecture and Civil Engineering, Sofia, Bulgaria. He also obtained his Master of Engineering from University of New South Wales, Sydney, Australia and Doctor of Philosophy from Nanyang Technological University (NTU), Singapore. He is a Member of the Vietnamese Society of Structural Engineers, a Member of the Vietnamese Society of Civil Engineer, a Fellowship of Vietnam Society of CAD and IT Application in Civil Engineering and Construction and a Member of the Vietnam Society of Mechanics.