



**GETD AGM LECTURE ON  
“WICK DRAINS AND PILING FOR CAI MEP CONTAINER PORT,  
VIETNAM”**

(Organized by Geotechnical Engineering Technical Division)

Date : 15 June 2013 (Saturday)  
Time : 9.00 am -11.00 am (*Refreshment will be served at 8.00 am*)  
Venue : Auditorium Tan Sri Prof. Chin Fung Kee, Wisma IEM  
Speaker : Dr. Bengt H. Fellenius, Dr.Tech, P.Eng

**BEM APPROVED  
CPD/PDP HOURS: 2  
REF: IEM13/HQ/105/L**

**SYNOPSIS**

Cai Mep Port is a new container terminal along the Thi Via River in the Mekong delta approximately 80 km southeast of Ho Chi Minh City, Vietnam. The soil profile consists of about 35 m thick soft, deltaic silty clay deposited on dense to compact sand. The conditions required up to 10 m of preconstruction fill to raise the ground by 2.5 m and included a 7.5 m of surcharge kept on for about six months. The settlement was accelerated by means of wick drains at a spacing of about 1.2 m. The settlements were monitored and amounted to about 3.5 m. After removal of the surcharge, 0.4 m square precast concrete piles were driven to depths ranging from 18 through 30 m to serve as piled foundation of the Port buildings. The monitoring showed that the area and the piles continued to settle after the removal of the surcharge, which was due to the wick drains not functioning below about 20 m depth. The measured settlements and the adopted remedial solution are discussed.

**BIODATA**

Dr. Bengt H. Fellenius, formerly Professor of Civil Engineering at the University of Ottawa, is an internationally recognized foundation engineering consultant and the author of more than 300 technical papers. His professional experience comes from a wide variety of assignments that encompass foundation design for industrial plants, water and sewage treatment facilities, bridges and highway projects, marine structures, and urban area development, as well as participation in special investigations, instrumented field tests, etc. Dr. Fellenius has given lectures and courses to several universities and international conferences throughout America, Europe, and South-East Asia. He currently lives in Sidney, BC, Canada.

**Ir. Liew Shaw Shong  
Chairman  
Geotechnical Engineering Technical Division**

**Announcement to note:**

1. Talk is **STRICTLY** for IEM members only (walk in)
2. Limited seats available on a "first come first served" basis.
3. No telephone and/or fax reservation will be entertained.
4. Latecomers will not be allowed entrance, if the lecture hall is full.
5. Please bring along this flyer and membership card for confirmation of attendance (CPD purpose).

**For IEM members, membership cards MUST be presented for identification purpose. Members who fail to show their membership card will be charged a fee of RM20.00.**

**FUNDS FOR IEM NEW BUILDING**

Kindly be informed that IEM will be charging participants RM10.00 administrative fee to evening talks organised by IEM. The fee would be used for overhead costs, building maintenance expenses as well as to support the purchase of the new building.

Students are however exempted. Your understanding is greatly appreciated.

**CPD HOURS CONFIRMATION**

Name of Member: ..... M'ship No: .....

Signature: ..... Date : .....