

### Evening Talk on “Post-Installed Rebar Design”

**Date** : Thursday, 9<sup>th</sup> August 2018

**Venue** : IEM (Southern Branch) Training Centre, 24B, Jalan Abiad, Taman Tebrau Jaya, 80400 Johor Bahru

**Speaker:** Ir. Ng Beng Hooi, Hilti (Malaysia) Sdn. Bhd.

#### Synopsis

To share with participants difference between post-installed anchor and post-installed rebar design theory. To also showcase the use of design software (PROFIS Anchor and Rebar) in calculation for post-installed rebar solutions.

An introduction to the scope and applications of the post-installed rebars and review of the current design methods for designing post-installed starter bars commonly use in the industry. Overview of the new design guideline from European Technical Approval Guidelines. Technical Report TR023, and how it complies with EC2. Introduction to Hilti’s HIT Rebar Design that is also according to the principles of TR023 and EC2.

A demonstration on software for post-installed rebars, PROFIS Rebar, that is used in the calculation of embedment depth required as according to the EC2 and ETAG TR023. Demonstration on how it works and the limitations and assumptions made that relate to site conditions. Also sharing some project references, example The Exchange 106 Project. What would happen if products are used inappropriately? A sharing session discussing about examples of actual cases where anchor and rebar connections were not designed/installed correctly and the failures that occurred.

Time	Tentative Programme
5.15 p.m. – 5.30 p.m.	Registration & Refreshment
5.30 p.m. – 5.40 p.m.	- Welcome Speech By IEM (SB) Organising Committee
5.40 p.m. – 7.00 p.m.	- Evening Talk on “Post-Installed Rebar Design”
7.00 p.m. – 7.30 p.m.	- Question & Answer Session
7.30 p.m.	Closing & End of talk

#### Biodata Speaker:

Ir. Ng Beng Hooi, graduated from Universiti Teknologi Malaysia, Johor in 2005 with a B.Eng in Civil Engineering. He worked in consultants and suppliers for more than 12 years. He has been working in Hilti Malaysia since 2015 and has undergone basic and advanced training by Hilti in post installed anchor and rebar design concepts. Currently he is working as Head of Engineering in Hilti Malaysia, leading engineering team in providing post installed anchor, post installed rebar and firestop (Fastening and Protection) for Structure, M&E and Façade applications.

#### Participant Fees:

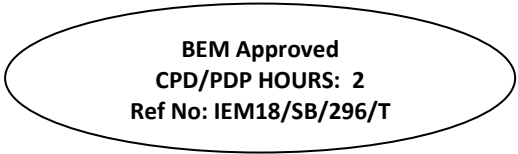
	Online	Normal
IEM Members	RM30	RM50
Non-Member	RM60	RM80

**Closing Date: 6<sup>th</sup> August 2018**

**For ONLINE REGISTRATION**, payment **MUST BE MADE VIA ONLINE PAYMENT** (bank-in the participant fees into the Institution’s Maybank Current Account (No. 5-013920-15708) before the **closing date**. Registration will be on a first-come-first-serve basis. Kindly return the Reply Slip to the IEM (SB) office before **6<sup>th</sup> August 2018** together with a non-refundable cheque for the participant fees made payable to **The Institution of Engineers, Malaysia (Southern Branch)**. Alternatively, you could bank-in the participant fees into the Institution’s Maybank Current Account (No. 5-013920-15708), and to facsimile both the Bank-in and Reply Slips to the Institution. The Institution requests all members co-operation in ensuring fees are paid in advance to the seminar. Please also be reminded that fees will not be refunded to absent participants who have paid, and to also note that all reservations must be paid despite participant cancellations. Thank you for your continuous support of the Institution.

*Chairman, Sub-Committee on Seminar and Technical Talk, IEM (SB)*

**REPLY SLIP**



To: Hon. Secretary,  
The Institution of Engineers, Malaysia (Southern Branch)  
E-mail : [iemsouthern@gmail.com](mailto:iemsouthern@gmail.com)/[sec@iemsb.org.my](mailto:sec@iemsb.org.my) ; Fax: 07 - 331 9710

**Evening Talk on “Post-Installed Rebar Design”**

Thursday, 9<sup>th</sup> August 2018, 5.30 p.m. – 7.30 p.m. at IEM (Southern Branch) Training Centre, Johor Bahru.

I wish to attend the above talk. I enclosed herewith a cheque No. .... for the amount of RM.....as payment for the seminar fee.

Name of Member: ..... Membership No:.....

I/C No: .....

Address: ..... Tel (O): ..... Fax :.....

..... Tel (H/P):.....

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Company's Name: .....

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

**Note:** For IEM members, membership cards should be presented for identification purpose. Failure to present the card, one will be declared as a non-IEM member and he/she will be required to pay the non-IEM member fee.