

**Half-Day Seminar on “BIM and Beyond: Digital transition in Construction”**  
(In-Collaboration with Prota Asia Sdn Bhd)

**Date** : Tuesday, 12 March 2019  
**Venue** : Grand Ballroom 1, Level 11, Double Tree By Hilton, Johor Bahru  
**Speaker** : Mr. Nigel Watts & Mr. Kong Chee Huat, Prota Asia Sdn Bhd

**Synopsis**

BIM, Building Information Modelling, is rapidly changing the face of the engineering and construction industry. Paper drawings are being replaced with 3D computer based models containing all the information required to design, fabricate and construct structures more efficiently and economically than ever before. Naturally this is placing new challenges and demands on industry players including engineers, architects and contractors to adapt to the changing landscape this technology brings.

In this year’s seminar series, we will examine leading BIM technology and how this is being used in industry to improve project delivery. Find out more about BIM and hear from industry experts on how they are taking advantage of BIM technology to transform their businesses. Learn how BIM technology can be effectively used to design multi-material structures, automatically produce and manage high quality drawing and calculation documentation, and share 3D information with Architects, Owners and other project stakeholders. See first-hand how 3D design models can be further refined to produce constructible information including steel and rebar fabrication detailing.

**TOPICS**

- BIM and Beyond: Digital Transition in Construction
- Unveiling ProtaStructure 2019 - Integrated Multi-Material Design Solution for Building Systems
- Revolutionary Automated Detailing, Drawing Management & Component Design with ProtaDetails 2019
- Introducing ProtaSteel 2019 - Revolutionary Automated Connection Design and Steel Detailing
- Understanding BIM and ProtaBIM 2019.

Time	Tentative Programme
8.30 a.m. – 9.00 a.m.	Registration
9.00 a.m. – 9.10 a.m.	- Welcome Speech By IEM (SB) Organising Committee - Introduction todays Agenda
9.10 a.m. – 10.00 a.m.	- Unveiling ProtaStructure 2019 - Integrated Multi-Material Design Solution for Building Systems
10.00 a.m. – 10.30 a.m.	- Revolutionary Automated Detailing, Drawing Management & Component Design with Prota Details 2019
10.30 a.m. – 10.45 a.m.	- Refreshment Break
10.45 a.m. – 11.30 a.m.	- BIM and Beyond: Digital Transition in Construction
11.30 a.m. – 12.30 p.m.	- Understand BIM and ProtaBIM 2019
12.30 p.m. – 1.15 p.m.	- Introducing ProtaSteel 2019 - Revolutionary Automated Steel Connection Design and Detailing
1.15 p.m. – 1.30 p.m.	- Question & Answer Session
1.30 p.m.	Closing & Lunch

**About the Speakers:**

**Mr. Nigel Watts** graduated from the University of Canterbury, New Zealand with a Civil Engineering Degree in 1995. Currently, he is a Managing Director for Prota Asia. He has more than 20 years of engineering experience in the Asia Pacific region having worked in consultancy, software development and construction in New Zealand, Japan, Singapore, Malaysia and Thailand. This included 8 years consulting experience working in New Zealand and Singapore with Beca on large scale residential, commercial and infrastructural developments. Previously Nigel was the Asia Pacific Regional Director for structural software developers, CSC and was responsible for successfully expanding CSC’s presence in Asia successfully growing new markets including Singapore, Malaysia, Hong Kong, Australia and New Zealand operations. He was instrumental in the development and adoption of design systems including Orion, Fastrak, Tedds and Solve which have become industry standard solutions for building design across much of Asia Pacific. Now Managing Director for Prota software, the originators of the building software design solution Orion, Nigel and his team are helping engineers adopt the latest building software technology using Prota Structures which brings together innovative solutions for integrated building design focused on BIM, 3D modelling, advance analysis and seismic design, the new Eurocodes, and automated design and detailing documentation.

**Mr. Kong Chee Huat** starting his career in the construction industry by the year of 1996 as junior site supervisor. After getting his Diploma in Civil Engineering from Port Dickson Polytechnic, he further studied in National University of Malaysia (UKM) to get his Honour degree in Civil & Structural Engineering in 2004. After graduation, because of his outstanding leadership and technical knowledge, he was chosen among many applicants to join the Sunway Construction. Mr. Kong gained wide experience and balance in both theory and practical before he joins the C&S software industry. 13 years in this field, he assisted many clients such as KTA Tenaga, University Malaysia Pahang, AECOM Malaysia, Jurutera JRK, University Technology of Malaysia to implement the latest structural software technology.

**Participant Fees:**

	<b>Online</b>	<b>Normal</b>
IEM Corporate Member & Graduate Members (30 years and above)	RM90.00	RM110.00
IEM Graduate Members (Below 30 years)	RM70.00	RM90.00
IEM Senior Member (60 years and above)	RM70.00	RM90.00
IEM Student Members	RM60.00	RM80.00
Non-Member	RM160.00	RM180.00

**Closing Date: 7<sup>th</sup> March 2019**

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 **7<sup>th</sup> March 2019** 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) **FAX: 07 - 331 9710**

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Tuesday, 12<sup>th</sup> March 2019, 9.00 a.m. – 1.30 p.m.

at the **Grand Ballroom 1, Level 11, Double Tree By Hilton, Johor Bahru**

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

Name of Member: ..... Membership No:..... I/C No: .....

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

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

..... E-mail : .....

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.

**PERSONAL DATA PROTECTION ACT**

*I have read and understood IEM’s Personal Data Protection Notice published on IEM’s website at [www.myiem.org.my](http://www.myiem.org.my) and I agree to IEM’s use and processing of my personal data*