

# CTIL TECHNICAL SEMINAR ON LATEST INNOVATIONS IN STEEL CONSTRUCTION

cum

## LAUNCH OF BC1:2023

### GUEST OF HONOUR:



**Er. Thanabal Kaliannan**  
Commissioner of Building Control, BCA

**DATE & TIME:**  
**MONDAY, 5 JUNE 2023**  
**12:00 PM – 5:30 PM**

**VENUE:**  
**HO BEE AUDITORIUM**  
**SIT@DOVER**

Supported by:

Join us for a half-day technical seminar on *latest innovations in steel construction* on 5<sup>th</sup> June 2023 and, to witness *the launch of the latest 3<sup>rd</sup> edition of BC1:2023* at SIT. This technical seminar calls for awareness and innovative use of structural steel for more sustainable, economic, productive, and safer building. You will hear from leading industry speakers and researchers sharing on the latest trends of our steel construction in industry, challenges and innovative solutions in design and construction of long span and complex structures, and the benefits and success of using such solutions.

## SEMINAR PROGRAMME

11:00 AM – 12:00 PM	<b>Registration</b>
12:00 PM – 1:00 PM	<b>Industry Networking Lunch</b>
1:00 PM – 1:05 PM	<b>Welcome Address</b> by Er. Prof. Chiew Sing Ping Head CTIL, Singapore Institute of Technology
1:05 PM – 1:20 PM	<b>Speech by Guest-of-Honour</b> Er. Thanabal Kaliannan, Commissioner of Building Control, BCA
1:20 PM – 1:50 PM	Technical Presentation 1: <b>Latest Updates in BC1: 2023 and SAC Accredited Certification Scheme to CT24: 2021</b> by Er. Prof Chiew Sing Ping, Singapore Institute of Technology
1:50 PM – 2:20 PM	Technical Presentation 2: <b>Applications of Structural Steel</b> by Er. Kam Mun Wai, Meinhardt (Singapore) Pte Ltd
2:20 PM – 2:50 PM	Technical Presentation 3: <b>Construction Challenges in Punggol Digital District Project</b> by Mr. Govindavelalar Gunasekaran, Woh Hup (Private) Limited
2:50 PM – 3:20 PM	<b>Tea Break</b>
3:20 PM – 3:50 PM	Technical Presentation 4: <b>Efficient and Productive Design of Steel King Posts</b> by Dr. Ng Yiau Heong, TTJ Design & Engineering Pte Ltd
3:50 PM – 4:20 PM	Technical Presentation 5: <b>High Performance Pre-engineered Steel Concrete Composite Beams for Sustainable Industrial Buildings</b> by Dr. Zhao Ming Shan, Singapore Institute of Technology
4:20 PM – 4:50 PM	Technical Presentation 6: <b>Blast Door System Design: Improving Design Efficiency for Complex Loading</b> by Dr. Paolo Del Linz, Singapore Institute of Technology
4:50 PM – 5:20 PM	<b>Panel Discussion</b>
5:20 PM – 5:30 PM	<b>Closing Remarks</b>

## SPEAKERS



Er. Prof. Chiew Sing Ping  
Singapore Institute of Technology

**Latest Updates in BC1: 2023 and SAC Accredited Certification Scheme to CT24: 2021**



Er. Kam Mun Wai  
Meinhardt (Singapore) Pte Ltd

**Applications of Structural Steel**



Mr. Govindavelalar Gunasekaran  
Woh Hup (Private) Limited

**Construction Challenges in Punggol Digital District Project**



Dr. Ng Yiau Heong  
TTJ Design & Engineering Pte Ltd

**Efficient and Productive Design of Steel King Posts**



Dr. Zhao Ming Shan  
Singapore Institute of Technology

**High Performance Pre-engineered Steel Concrete Composite Beams for Sustainable Industrial Buildings**



Dr. Paolo Del Linz  
Singapore Institute of Technology

**Blast Door System Design: Improving Design Efficiency for Complex Loading**

## ABOUT CTIL

The Woh Hup - SIT Construction Technology Innovation Laboratory (CTIL) provides a platform for Singapore-based construction companies and SIT researchers to carry out applied research and develop innovative construction technologies for building structures and sub-structures with societal and economic impact.



## WHO SHOULD ATTEND

All construction industry professionals such as engineers, consultants, contractors and trade specialists.



## FREE REGISTRATION

PDU and STU points to be advised.  
Online registration will close once the seats are filled

### Contact Us

Please email Dr. Zhang Xingzhao at [CTIL@singaporetech.edu.sg](mailto:CTIL@singaporetech.edu.sg) if you have any questions regarding this event.