

FRIDAY 19 JULY, 2024

HO BEE AUDITOR SIT@DOVER

INNOVATIONS IN DESIGN AND CONSTRUCTION OF CONCRET STRUCTURES



GUEST OF HONOUR Mr Kelvin Wong Chief Executive Officer, BCA

ORGANISED BY

Construction Technology Innovation Laboratory





SUPPORTED BY



The Institution of StructuralEngineers SINGAPORE REGIONAL GROUP



ABOUT THE SEMINAR

Join us for a full-day Construction Technology Innovation Laboratory (CTIL) technical seminar on Innovations in Design and Construction of Concrete Structures, scheduled for 19 July 2024 at the Singapore Institute of Technology. This technical seminar calls for more awareness and innovative use of products and construction technologies for more sustainable, economical, productive and safer concrete buildings and infrastructures. You will hear from leading industry speakers and researchers sharing on the latest trends in our construction industry, challenges and innovative solutions in design and construction of complex concrete structures, and the benefits and success of using such solutions.

WHO SHOULD ATTEND

For engineers in civil engineering construction and consultancy sectors, as well as professionals from client organizations, government agencies, specialist trade and product suppliers who wish to keep abreast of latest developments, best practices and innovations in design and construction of concrete structures.





ABOUT THE SEMINAR

8:30 - 9:15 am	Registration
9:15 - 9:30 am	Welcome Address by Prof. CHIEW Sing Ping Head CTIL, Singapore Institute of Technology (SIT)
9:30 - 10:00 am	Presentation 1: Construction Challenges and Progress made in the last 20 Years by Mr. CHANG Kin-Boon Senior Group Director, Rail (Civil) / Group Director, Rail Infrastructure & Expansion, LTA
10:00 - 10:30 am	Presentation 2: Challenges in Concrete Design and Construction by Er. Colin YIP Director of Engineering, Woh Hup (Private) Limited
10:30 - 11:00 am	Morning Refreshment Break
11:00 - 11:30 am	Presentation 3: Performance of Precast Concrete Composite Slabs with Latticed Girders against Progressive Collapse by Prof. YANG Bo Chongqing University, China
11:30 - 12:00 noon	Presentation 4: Low Embodied Carbon Concrete for Durable Construction by Dr. Daneti Saradhi BABU Technical Manager – Concrete Specialist, Alliance Concrete Singapore Pte Ltd
12:00 - 12:30 pm	Q&A Panel Discussion moderated by Prof. CHIEW Sing Ping
12:30 - 1:30 pm	Networking Lunch
1:30 - 2:00 pm	Presentation 5: Towards Cementless Construction: Opportunities and Challenges by Asst-Prof. ZHAO Ming-Shan, CTIL, SIT
2:00 - 2:30 pm	Presentation 6: Steel Fibres and High Strength Reinforcement for Underground Box Structures by Er. A/Prof. KUM Yung Juan, CTIL, SIT
2:30 – 2:45 pm	Speech & Introduction of the Design Guide on Head Bars by Guest-of-Honour by Mr. Kelvin WONG, CEO, BCA
2:45 - 3:15 pm	Presentation 7: Design of Headed Reinforcement Anchors using Eurocode 2 by Prof. CHIEW Sing Ping, CTIL, SIT
3:15 - 3:45 pm	Afternoon Refreshment Break
3:45 – 4:15 pm	Presentation 8: Applications of Plate-Nut System by Mr. Kazutaka YOSHIHARA Corporate Officer (Overseas Sales), Tokyo Tekko Co. Ltd., Japan
4:15 - 4:45 pm	Presentation 9: Applications of Head-bar System as Mechanical Anchorage for Shear Links and Main Bars by Dr. Akihito HATA Executive Chief Research Engineer, Taisei Advanced Center of Technology, Japan
4:45 – 5:15 pm	Presentation 10: Introduction to Hollow Reinforcing Bars (STC800) and Its Applications in Underground Structures by Dr. AHN Dong-Wook, POSCO Korea & Dr. KIM Yong-Min, University of Glasgow, Singapore
5:15 - 5:45 pm	Q&A Panel Discussion moderated by Prof. CHIEW Sing Ping
5:45 – 6:00 pm	Adjournment for the Day

2024 CTIL TECHNICAL SEMINAR ON INNOVATIONS IN DESIGN AND CONSTRUCTION OF CONCRETE STRUCTURES





Introduction to Hollow Reinforcing Bars (STC800) and Its Application in Underground Structures



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REGISTRATION FEES



REGISTER NOW! Note: Registration ends on <u>10 July 2024</u>



Construction Technology Innovation Laboratory (CTIL)