



Building Engineering Seminar 2022

BUILDINGS: WHAT CAN GO WRONG

30 Sep 2022, Friday • 2:00pm-5:30pm • BCA Braddell Campus, T1-1

INTRODUCTION

While structural safety of buildings in Singapore has been enhanced over the years, building failure during construction do occur from time to time. With land use being intensified, the structural system of buildings are becoming more complex, often involving multi-level of load transfer.

The publication Buildings: What Can Go Wrong is a compilation of past failures in projects within Singapore, some of which resulted in loss of life and property damage. A curated list of local cases from this book and some overseas cases will be shared during the seminar. As mistakes in design and construction are being repeated, it is imperative that we continuously learn from past events; and for these lessons to serve as a reminder to the industry as we strive for a safe Built Environment.

HIGHLIGHTS

TIME	PROGRAMME
2.00pm	Opening Address Er. Tan Chun Yong, Group Director, Building Engineering Group, BCA
2.10pm	Lessons Learnt from Bridge Failures Er. Zhao Zhe, Senior Engineer, Bridges and Structural Steel Department, Building Engineering Group, BCA
2.30pm	Lessons Learnt from Structural Failures Er. Santoso Lukito, Senior Engineer, Construction and Structural Investigation Department, Building Engineering Group, BCA
2.50pm	Lessons Learnt from Foundation Failures Er. Dr. Yet Nai Song, Director, Foundation Engineering Department, Building Engineering Group, BCA
3.10pm	Tea Break
3.40pm	Case Study of Excavation and Tunnelling Failure Er. Ng Hee Yang, Principal Engineer, Geotechnical Engineering Department, Building Engineering Group, BCA
4.00pm	Case Study of Overseas Building Failure Mr Noorul Aziz, Enforcement and Structural Inspection Department, Building Resilience Group, BCA
4.20pm	Avoid Failure in Structural Steel Construction Prof. Richard Liew, NUS
4.40pm	Closing Remarks Er. Chew Keat Chuan, Commissioner of Building Control, BCA
4.55pm	Q&A

FEE: S\$225 (inclusive of GST)

(inclusive of a hardcopy of the publication Buildings: What Can Go Wrong)

TARGET AUDIENCE

- Professional Engineers, Accredited Checkers, Design Engineers
- Builders and Specialist Builders (APs and TCs), Project Managers and Site Engineers
- Site Supervisors - Resident Engineers and Resident Technical Officers
- Architects and Developers

CPD POINTS

PEB: Pending

REGISTRATION



To register, please log into our Online StoreFront (OSF) at <https://eservices.bcaa.edu.sg/registration/#/>

Login or scan QR Code and search for course code **80093**



To purchase additional copies of the publication **Buildings: What Can Go Wrong**, please scan the below QR code:

