

JOINTLY ORGANISED BY
URBAN ENGINEERING DEVELOPMENT
SPECIAL INTEREST GROUP (UEDSIG)
&
CIVIL AND STRUCTURAL ENGINEERING
TECHNICAL DIVISION (CSETD)

26 MAY 2022 (THURSDAY)
5.00 P.M. – 7.00 P.M.

VENUE : MALAKOFF AUDITORIUM
WISMA IEM, P.JAYA, SELANGOR

CPD HOURS : 2.0
CPD REF NO :
IEM22 / HQ / 149 / T (w)



PHYSICAL TECHNICAL TALK ON **“ADVANCES IN WIND ENGINEERING OF STRUCTURES”**



Speaker:
Mr Sudeesh Kala

Sudeesh Kala is the Vice President of RWDI responsible for the Asia Pacific region overseeing our Malaysia, Singapore, Australia, China, Hong Kong and India operations. Sudeesh is responsible for the execution of project work as well as the recruitment, oversight and development of staff within Asia Pacific & MEA. He leads the development of sales growth across Buildings, Industry and Infrastructure sectors within these regions.

Graduated from Concordia University in Montreal, Canada with a Masters in Wind Engineering, Sudeesh has more than 17 years of Consulting Experience in Wind Engineering and has been involved in many iconic projects around the world. To name a few, Signature Tower (Jakarta), Nakheel Supertall Tower (Dubai), One Bangkok (Thailand) and W Hotel Kuala Lumpur (Malaysia). In addition to his leadership role, as a Senior Consultant, Sudeesh offers design guidance to RWDI clients and works closely with architects, engineers and developers to develop cost-effective building designs that are well adapted to local climates. Having consulted on all manner of complex structures, from super tall towers to airports to stadia, and with project experience that spans the globe--from North America to United Kingdom to Middle East and Australasia--Sudeesh delivers value to clients not only with his technical and project expertise but also with his insight into international business and building practices.

Synopsis:

Optimization of Wind Induced Responses is key to a safe and efficient design of structures. This presentation will focus on Industry Best Practices in Wind Engineering covering performance-based wind design, assessment of aerodynamic stability, assessment of structural wind loads for the design of main wind force resisting systems to mitigate predicted wind-induced motions, and the assessment of local wind loads for component and cladding design. This presentation will also discuss RWDI's recent contributions to Industry Best Practices in developing guidelines and standards.

Learning Objectives:

Gain an appreciation for the aerodynamic variables involved in wind engineering.

- Develop an understanding of the latest trends in Wind Engineering.
- A brief introduction to Performance Based Wind Design.
- Gain an understanding of wind tunnel testing techniques available for predicting structural and cladding wind forces for different types of structures.
- Quick review to Industry Best Practices in developing guidelines and standards.

LIMITED SEATS AVAILABLE DUE
TO SOCIAL DISTANCING

Registration Fees
IEM Members : RM 15.00
IEM Non Members : RM 70.00

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