



THE INSTITUTION OF ENGINEERS, MALAYSIA

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Talk on Wind Related Issues & the Use of Supplementary Damping Systems in the Design of Tall Buildings

Organised by Civil and Structural Engineering Technical Division
BEM Approved CPD/ PDP Hours: Applying

Date : 24 May 2016 (Tuesday)
Time : 5.30 p.m. – 7.30 p.m.
Venue : Auditorium Tan Sri Prof. Chin Fung Kee,
Third Floor, Wisma IEM, PJ
Speaker : Sudeesh Kala, M.A.Sc, B.E. (Hons)., P.Eng,

POSTPONED UNTIL FURTHER NOTICE

SYNOPSIS

Local wind loads are assessed for component and cladding design. Aerodynamic stability and structural wind loads are assessed for the design of main wind force resisting system to mitigate predicted wind-induced motions and other potential issues. This presentation will give an overview of the wind related issues in the design of high rises and will also outline the importance of damping, both intrinsic to the structural materials and as contributed by a supplementary system, in achieving a high-performing structure. Although there is rich experience in understanding and implementing the damping mitigation strategies for low-rise structures in (especially) high seismic locales, this seminar will go into some detail regarding more recent experience in damping high-rise structures where wind response becomes significant.

BIODATA OF SPEAKERS



Sudeesh is an experienced wind engineer and project manager with several years of practical experience in the field of wind loading and building aerodynamics. Sudeesh's history with RWDI dates back to 2005 when he joined the firm at RWDI headquarters in Guelph, Canada after earning a Master's Degree in Wind Engineering from Concordia University in Montreal.

His experience grew over the years performing wind loading studies on all manner of complex, high-rise towers. He has several high profile projects to his credit, including Nakheel's Supertall Tower in Dubai, World Trade Center 2 in New York, Signature Tower in Jakarta and the current Queensbridge Tower in Melbourne. Sudeesh has worked as an Engineer / Project Manager / Consultant in various international offices of RWDI (Canada, UAE, UK) where he has strengthened each office through effective technical consulting by working closely with architects, engineers and developers to help promote cost effective designs whilst also ensuring such buildings are in synergy with the microclimate. Sudeesh is now located in RWDI's Singapore office, where he is responsible for the management and associated technical consulting for RWDI's projects in the Asia Pacific region.

Ir. Hooi Wing Chuen
Chairman
Civil and Structural Engineering Technical Division, IEM

ANNOUNCEMENTS

- Preferential admission to talk shall be accorded to IEM members (pre-registration and online registration are NOT required). (Telephone and/or fax reservation will NOT be entertained)
- Non-members may also attend the talk and will be charged a registration fee of RM50 and administrative fee of RM15.
- For affiliate members, there will be no registration fee. However, they are requested to produce their membership card as proof of membership. For the list of affiliates, please refer www.myiem.org.my/content/memorandum_of_understanding-469.aspx.
IEM members who fail to produce their membership cards will be charged a fee of RM25.00.

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- **Please be informed that IEM will be charging participants RM15.00 administrative fee for talks organized by IEM. Student members are however exempted.**
- The fee would be used for overhead costs, building maintenance expenses as well as to support the purchase of the new building.
- All contributions will be deeply appreciated by IEM.

Your understanding is greatly appreciated.

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