



THE INSTITUTION OF ENGINEERS, MALAYSIA

Bangunan Ingenieur, Lots 60/62, Jalan 52/4, Peti Surat 223, 46720 Petaling Jaya, Selangor Darul Ehsan
Tel: 03-79684001/2 Fax: 03-79577678 E-mail: sec@iem.org.my IEM Homepage: <http://www.myiem.org.my>

Civil & Structural Engineering Technical Division

TALK

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

2 BEM Approved CPD/ PDP Hours

Ref No: IEM16/HQ/102/T

Date 27 July 2016 (Wednesday)

Time 5.30 p.m. – 7.30 p.m.

Venue Auditorium Tan Sri Prof. Chin Fung Kee,
3rd Floor, Wisma IEM, PJ

Speaker Sudeesh Kala, M.A.Sc, B.E. (Hons).,
P.Eng

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.

ANNOUNCEMENTS

Pre-registration is not required.

IEM members will be given preferential admission.

No registration fee for affiliate members but membership card must be presented.

For the list of affiliates, please refer to

www.myiem.org.my/content/memorandum_of_understanding-469.aspx.

Non-members will be charged registration fee of RM50 and administrative fee (see below).

Members who fail to produce their membership cards will be charged a fee of RM25.

IEM BUILDING FUND (WISMA IEM)

Administration fee of RM15 is chargeable to all participants except student members.

This fee contributes towards IEM building fund.

Any further contribution towards this fund will be deeply appreciated by IEM.

CPD HOURS CONFIRMATION

Name

Membership No

Signature

BIODATA OF SPEAKER



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 & Structural Engineering Technical Division, IEM