

DESIGN OF TALL BUILDINGS: TRENDS AND ADVANCEMENTS FOR STRUCTURAL PERFORMANCE

Seminar Program
Venue: Sofitel Sukhumvit Bangkok Thailand

Part 1 | New Developments in Tall Building Design Seminar Day 1 | 7 Nov 2016

08:00 – 08:45 **Registration**

08:45 – 09:15 **Opening Remarks**



Prof. Worsak Kanok-Nukulchai
President



09:15 – 09:55 **Architectural Innovations and
Challenges in Tall Buildings**



Arch. Joel Luna

Vice President,
Chief Architect



**State of Practice in Design of Tall
Buildings in Philippines**



Engr. Jose A. Sy

President and CEO



09:55 – 10:40 **Progression of Structural Design
Approaches**



Dr. Naveed Anwar

Executive Director



10:40 – 11:00 **Coffee Break and Networking**

11:00 – 11:30 **Structural Engineering Solutions
to Architectural Challenges**



Dr. Karoon Chandrangsru

President



11:30 – 12:00 **Case Study: Structural Design
of Tall Buildings in Philippines**



Engr. Rex Sirilan

Head of R&D Department



Engr. Earl P. Bonita

Head of PBD Department



12:00 – 13:00 **Lunch Break**

13:00 – 13:20 **Presentation by thyssenkrupp**



Mr. Ian Smith

Vice President, Special Projects
thyssenkrupp Elevator



13:20 – 14:20 **Assessment of Seismic Hazard & Risk
and Wind Tunnel Model Tests**



Prof. Pennung Warnitchai

Professor and Head of Civil and Infrastructure
Engineering Department



14:20 – 15:00 **Performance-based Design, Value
Engineering, Peer Review**

Dr. Naveed Anwar

Executive Director



15:00 – 15:20 **Coffee Break and Networking**

15:20 – 16:00 **Structural Engineering Solutions
to Architectural Challenges**

Dr. Naveed Anwar

Executive Director



16:00 – 16:30 **Panel Discussion and Forum**

Moderator:

Prof. Pennung Warnitchai

Panelists:

Dr. Karoon Chandrangsru

Mr. Ian Smith and invited participant

Part 2 | Dealing with Wind and Earthquake

Seminar Day 2 | 8 Nov 2016

Seminar Day 3 | 9 Nov 2016

09:00 – 09:10 **Welcome Remarks**



Mr. Surendra Shrestha

Vice President for Development



09:10 – 09:40 **Architectural Innovations and
Challenges in Tall Buildings**



Arch. Winyou Wanichsiroj

Executive Vice President



Design 103 International Ltd.

09:40 – 10:10 **Conceptual Design in Structural
System Development**

Dr. Naveed Anwar

Executive Director



10:10 – 10:30 **Coffee Break and Networking**

10:30 – 11:00 **Presentation**



Engr. Apichai Siridumrongphun

Project Development Director,
Siam Sindhorn



11:00 – 12:00 **Wind Effects on Buildings & Structures
and Wind Tunnel Model Tests**

Prof. Pennung Warnitchai

Professor and Head of Civil and Infrastructure
Engineering Department



12:00 – 13:00 **Lunch Break**

13:00 – 14:00 **Dynamic Response of Tall
Buildings**

Dr. Naveed Anwar

Executive Director



14:00 – 14:45 **Procedure of Probabilistic Seismic
Hazard Assessment**



Dr. Teraphan Ornthammarath

Lecturer
Mahidol University



14:45 – 15:05 **Coffee Break and Networking**

15:05 – 15:40 **Importance of Ductility in
Structural Performance**

Dr. Naveed Anwar

Executive Director



15:40 – 16:00 **Presentation by CTBUH**



16:00 – 16:30 **Panel Discussion and Forum**

Moderator:

Dr. Naveed Anwar

Panelists:

Engr. Jose A. Sy

and invited participant

09:00 – 09:10 **Welcome Remarks**



Prof. Sivanappan Kumar

Vice President for Academic Affairs



09:10 – 09:40 **Architectural Innovations and
Challenges in Tall Buildings**



Arch. Prabhakorn Vadanyakul

President and Managing Director



Arch. Maythin Chantra-ou-rai

Executive Director

A 49

Architects 49 Limited Thailand

09:40 – 10:40 **Smart Systems for Structural
Response Control**

Dr. Naveed Anwar

Executive Director



10:40 – 11:00 **Coffee Break and Networking**

11:00 – 12:00 **Procedure of Performance-based
Design**



Engr. Thaung Htut Aung

Deputy Projects Director



12:00 – 13:00 **Lunch Break**

13:00 – 14:00 **Important Considerations in
Design of Primary Structural
Components: Part 1**

Engr. Thaung Htut Aung

Deputy Projects Director



14:00 – 14:30 **Important Considerations in
Design of Primary Structural
Components: Part 2**



Engr. Shabir Ali Talpur

Senior Engineer



14:30 – 14:50 **Coffee Break and Networking**

14:50 – 15:20 **Important Considerations in
Design of Primary Structural
Components: Part 3**



Dr. Pramin Norachan

Senior Manager, Structural
Engineering



15:20 – 16:05 **A Modified Response Spectrum
Analysis (MRSA) Procedure for
Tall Buildings**



Engr. Fawad Najam

Ph.D. Candidate



16:05 – 16:15 **Tall building Online Course and
Other Announcements**

16:15 – 16:30 **Closing ceremony**

DESIGN OF TALL BUILDINGS: TRENDS AND ADVANCEMENTS FOR STRUCTURAL PERFORMANCE

Workshop Program
Venue: Asian Institute of Technology (AIT)
Conference Center

Part 3 | Handling the Practical Design Issues

Day 4 | 10 November 2016 | Hands-on Workshop

Day 5 | 11 November 2016 | Hands-on Workshop

09:00 – 09:10



Welcome Remarks

Dr. Naveed Anwar
Executive Director



09:10 – 09:55



Modelling Concept in ETABS 2016

Engr. Keerati Tunthasawatana
Deputy Director



09:55 – 10:15

Coffee Break and Networking

10:15 – 11:00



Review of Overall Response of Tall Building from ETABS Model

Engr. Thaug Htut Aung
Deputy Projects Director



11:00 – 12:00



Wind-induced Responses of The Structures Using Wind Tunnel Model Tests

Engr. S.M. Zia Uddin
Structural Engineer



12:00 – 13:00

Lunch Break

13:00 – 14:30



Diaphragm Design

Dr. Pramin Norachan
Senior Manager, Structural Engineering



14:30 – 14:50

Coffee Break and Networking

14:50 – 15:50

Slab and Foundation Design in SAFE and ETABS 2016

Engr. Keerati Tunthasawatana
Deputy Director



15:50 – 16:30



Introduction to Nonlinear Time History Analysis Using Perform 3D

Engr. Shabir Ali Talpur
Senior Engineer



09:00 – 09:10

Welcome Remarks

Dr. Naveed Anwar
Executive Director



10:00 – 10:30

Nonlinear Modeling and Analysis in Perform 3D

Engr. Shabir Ali Talpur
Senior Engineer



10:30 – 10:50

Coffee Break and Networking

10:50 – 12:00

Nonlinear Modeling and Analysis in Perform 3D

Engr. Shabir Ali Talpur
Senior Engineer



12:00 – 13:00

Lunch Break

13:00 – 14:45

Nonlinear Modeling and Analysis in Perform 3D

Engr. Shabir Ali Talpur
Senior Engineer



14:45 – 15:05

Coffee Break and Networking

15:05 – 16:30

Interpretation of Results from Nonlinear Time History Analysis

Engr. Thaug Htut Aung
Deputy Projects Director

Engr. Shabir Ali Talpur
Senior Engineer



Day 6 | 12 November 2016 Site Visit

