

Invited Lecture
Seoul National University
Dept. of Architecture &
Architectural Engineering

Short Course - Wind Resistant Design According to ASCE 7-10

4/7, 4/14, 4/21 & 4/28, 2016

Dept. of Architecture & Architectural Engineering

Seoul National University, Korea

Room #B103, Building #39, 15:00 - 17:45 PM



Invited Lecturer

Prof. Y. Frank Chen, Ph.D., P.E.

Professor, Pennsylvania State University, Harrisburg, USA

Distinguished Professor, Taiyuan University of Technology, China

Lecture Contents

Fundamentals

- Bluff-body Aerodynamics
- Structural Dynamics
- Aeroelastic Phenomena

ASCE 7-10

- General Requirements
- Wind Loads on Main Wind-Force Resisting System (MWFRS)
 - Directional Procedure
- Wind Loads on MWFRS - Envelop Procedure
- Wind Loads on Walls, Signs, Chimneys, Tanks, Lattice Frameworks, Trussed Towers, and Roof Top Structures & Equipment - Directional Procedure
- Wind Loads on Components and Cladding (C&C)
- Wind Tunnel Procedure

Inquiry

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