

2nd Workshop on Regional Harmonisation of Wind Loading and Wind Environmental Specifications in Asia-Pacific Economies (2nd APEC-WW)

Date: 5-6 December, 2005

Venue: The Hong Kong University of Science and Technology (HKUST)

Registration fee: US\$55 (HK\$430) (Payable duration registration on 5 December)

Co-host: Tokyo Polytechnic University & CLP Power Wind/Wave Tunnel Facility
The Hong Kong University of Science and Technology

The series of Workshop on Regional Harmonisation of Wind Loading and Wind Environmental Specifications in Asia-Pacific Economies (APEC-WW) provides a stimulating and constructive forum for researchers and engineers specializing in problems of wind loading and wind environment. The 2nd APEC-WW will follow the spirit set in the 1st APEC-WW, which was held in Atsugi, Japan in 2004. The purposes of APEC-WW are:

- to harmonise structural loading standards/codes in the APEC area; and
- to harmonise bylaws/specifications on wind environmental problems in the APEC area.

The past few years have seen a significant upsurge in typhoon activities worldwide. The recent devastations caused by Hurricane Katrina in southern USA have highlighted the destructive power of typhoons and their global impacts. The 2nd APEC-WW aims

- to reach a common understanding of wind loading;
- to collaborate in developing methods and technologies for wind hazard mitigation;
- to exchange information on current status of wind loading standards/codes and to improve individual standards;
- to discuss bylaws/specifications for wind environmental assessment related to pedestrian level winds in an urban environment; and
- to discuss bylaws/specifications for air quality outside and inside buildings.

Local Organising Committee

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Deadline for the submission of Economy reports: Friday 28 October 2005

- paper size: A4
- sample format attached
- email submission of papers (MS-Word file) to Shirley Tse: stse@ust.hk

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The Hong Kong University of Science and Technology (HKUST)

Tentative Program

Monday 5 December 2005

0830-0930 Registration

APEC-WW Economy Reports

0930-1000 Welcome and Introduction

1000-1020 Australia

1020-1040 China

1040-1100 Hong Kong, China

1100-1130 Tea & coffee

1130-1150 India

1150-1210 Indonesia

1210-1230 Japan

1230-1250 Korea

1250-1400 Lunch

1400-1420 Malaysia

1420-1440 New Zealand

1440-1500 Philippines

1500-1520 Singapore

1520-1550 Tea & coffee

1550-1610 Taiwan

1610-1630 Thailand

1630-1650 Vietnam

1650- Other Economy Reports and Closure

Tuesday 6 December 2005

APEC-WW: Briefing

0830-0845 General Briefing

APEC-WW: Wind Loading (Room A)

APEC-WW: Wind Environmental Problems (Room B)

0845-0900 Briefing

0900-1030 Group Discussion Session 1

1030-1100 Tea & coffee

1100-1230 Group Discussion Session 2

1230-1400 Lunch

1400-1530 Group Discussion Session 3

1530-1600 Tea & coffee

1600-1700 Preparation of Resolutions

1700-1720 Workshop Report – Wind Loading

1720-1740 Workshop Report – Wind Environmental Problems

1740-1800 Conclusions and Workshop closure

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Additional Information

The CLP Power Wind/Wave Tunnel Facility will host a Croucher Advanced Study Institute (ASI) on: “State-of-the-art wind tunnel modeling and data analysis techniques for infrastructure and civil engineering application” on 7-8 December 2005 at the Hong Kong University of Science and Technology. The objective of the ASI is:

To facilitate the dissemination of state-of-the-art wind tunnel modelling and data analysis techniques for infrastructure and civil engineering applications, with special emphasis on the determination of design wind loads and wind-induced dynamic effects on infrastructure developments such as tall buildings, long-span bridges and other wind-sensitive structures.

International experts in wind engineering will deliver a series of lectures for the ASI:

Professor Y Tamura: “Strong wind events: Full-scale observations, wind tunnel simulation and damage assessment”

Professor W H Melbourne: “The aerodynamics of bluff bodies”

Professor J D Holmes: “Wind tunnel techniques for low-rise buildings and large roof structures”

Professor B J Vickery: “Wind loads and wind-induced response of tall buildings and structures”

Professor N P Jones: “Wind loads and wind-induced response of long-span bridges and bridge cables”

Professor R N Meroney: “Wind tunnel and numerical simulation of pollutant dispersion: A Hybrid Approach”

Professor K C S Kwok: “Behaviour of tall buildings and structures in strong winds – Dynamic properties, response characteristics and vibration mitigation”

Professor A Kareem: “Wind tunnel modelling and data analysis techniques – the next frontier”

Delegates attending the 2nd APEC-WW are welcome to attend the ASI ***free of charge***. Places are strictly limited. Please advise Shirley Tse (stse@ust.hk) if you are interested in attending the ASI.