The First International Symposium on
Wind Effects on Buildings and Urban Environment

March 8 and 9, 2004
Main Hall at Science Council of Japan
7-22-34, Roppongi, Minatoku Tokyo, Japan

Organized by:
Graduate School of Engineering, Tokyo Polytechnic University

Supported by:
The Science Council of Japan
Architectural Institute of Japan
The Society of Heating Air-Conditioning and Sanitary Engineers of Japan
Japan Association of Wind Engineering

Program

March 8, Monday

9 : 15 - 9 : 20 Opening Yukio Tamura, Project Leader, TPU
9 : 20 - 9 : 30 Welcome and greetings Kenichi Honda, President of TPU
9 : 30 - 10 : 30 Introduction to COE Program

Project I : Wind hazard mitigation Yukio Tamura, TPU
Project II : Natural/cross ventilation Masaaki Ohba, TPU
Project III : Indoor/outdoor air pollution Nobuyuki Kobayashi, TPU

10 : 30 - 10 : 45 Coffee break

10 : 45 - 11 : 20 Wind engineering and large bridges
Manabu Ito, President of IABSE

Hiroshi Akiyama, Nihon University, President of AIJ

11 : 55 - 13 : 00 Lunch

13 : 00 - 13 : 35 Prediction of local wind energy by means of CFD
Shuzo Murakami, Keio University, President of SHACSE of Japan

13 : 35 - 14 : 10 Wind effects in the urban environment considerations for human safety, comfort and health
Chris Baker, The University of Birmingham, UK

14 : 10 - 14 : 45 Hybrid indoor climate conditioning of wind induced cross ventilation and air conditioning
Shinsuke Kato, The University of Tokyo

14 : 45 - 15 : 20 Smoke and fire in building atria
Robert Meroney, Colorado State University, USA

15 : 20 - 15 : 40 Coffee break

15 : 40 - 16 : 15 Wind effects on tall buildings in typhoon prone urban environment
Kenny C.S. Kwok, Hong Kong University of Science and Technology, Hong Kong

16 : 15 - 16 : 50 Wind damage investigations: lessons learnt and research needs
Bogusz Bienkiewicz, Colorado State University, USA, President of AAWE

16 : 50 - 17 : 25 Approximate probability distributions for peak pressure coefficients
Jun Kanda, The University of Tokyo

18 : 00 - 20 : 00 Symposium Party at Heart Inn Nogizaka
Wind Effects on Buildings and Urban Environment

March 9, Tuesday

9 : 15 - 9 : 50  Bluff Body/Bridge Aerodynamics
Masaru Matsumoto, Kyoto University, President of JAWE

9 : 50 - 10 : 25  Wind Characteristics in Typhoon Prone Urban Areas
You-Lin Xu, Hong Kong Polytechnic University, Hong Kong

10 : 25 - 10 : 40  Coffee break

10 : 40 - 11 : 15  Wind-induced Response and Fatigue of Structures
Giovanni Solari, University of Genova, Italy, President of IAWE

11 : 15 - 11 : 50  Wind Effects on Tall Buildings in Urban Environment
Ahsan Kareem, University of Notre Dame, USA

11 : 50 - 13 : 00  Lunch

13 : 00 - 13 : 35  Trajectories of Wind Borne Debris
John D. Holmes, JDH Consulting Mentone, Australia

13 : 35 - 14 : 10  Wind Tunnel Database for an Intermediate Wind Resistance Design of Tall Buildings
Chii-Ming Cheng, Tamkang University, Taiwan

14 : 10 - 14 : 45  Damping Mechanisms and Damage in Large Structures
Alan P. Jeary, University of Western Sydney, Australia

14 : 45 - 15 : 05  Coffee break

15 : 05 - 15 : 40  Wind-induced Dispersion of Exhaust from Rooftop Stacks and Air-intake Contamination
Ted Stathopoulos, Concordia University, Canada

15 : 40 - 16 : 15  Wind Loads on Double Skin Glass Facade
Hiromasa Kawai, Kyoto University

16 : 15 - 16 : 25  Closing Address
Yukio Tamura, TPU

Admission and Conference Pack : Free
Symposium Party : 5,000 JPY

Please register your name, affiliation, contact details with us by e-mail or FAX as early as possible, also indicating whether you will attend the reception in the evening of March 8. More information can be found at the symposium website.

Please contact
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