

The 21st Century COE Program

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

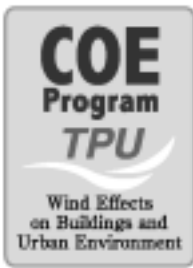
The Society of Heating Air-Conditioning and Sanitary Engineers of Japan

Japan Association of Wind Engineering

Program

March 8, Monday

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|-------------------|--|--|
| 9 : 15 - 9 : 20 | <i>Opening</i> | <i>Yukio Tamura, Project Leader, TPU</i> |
| 9 : 20 - 9 : 30 | <i>Welcome and greetings</i> | <i>Kenichi Honda, President of TPU</i> |
| 9 : 30 - 10 : 30 | <i>Introduction to COE Program</i> | |
| | <i>Project I : Wind hazard mitigation</i> | <i>Yukio Tamura, TPU</i> |
| | <i>Project II : Natural/cross ventilation</i> | <i>Masaaki Ohba, TPU</i> |
| | <i>Project III : Indoor/outdoor air pollution</i> | <i>Nobuyuki Kobayashi, TPU</i> |
| 10 : 30 - 10 : 45 | <i>Coffee break</i> | |
| 10 : 45 - 11 : 20 | <i>Wind engineering and large bridges</i> | |
| | <i>Manabu Ito, President of IABSE</i> | |
| 11 : 20 - 11 : 55 | <i>Interaction of Seismic Design and Wind Design in High-rise Buildings</i> | |
| | <i>Hiroshi Akiyama, Nihon University, President of AIJ</i> | |
| 11 : 55 - 13 : 00 | <i>Lunch</i> | |
| 13 : 00 - 13 : 35 | <i>Prediction of local wind energy by means of CFD</i> | |
| | <i>Shuzo Murakami, Keio University, President of SHACSE of Japan</i> | |
| 13 : 35 - 14 : 10 | <i>Wind effects in the urban environment considerations for human safety, comfort and health</i> | |
| | <i>Chris Baker, The University of Birmingham, UK</i> | |
| 14 : 10 - 14 : 45 | <i>Hybrid indoor climate conditioning of wind induced cross ventilation and air conditioning</i> | |
| | <i>Shinsuke Kato, The University of Tokyo</i> | |
| 14 : 45 - 15 : 20 | <i>Smoke and fire in building atria</i> | |
| | <i>Robert Meroney, Colorado State University, USA</i> | |
| 15 : 20 - 15 : 40 | <i>Coffee break</i> | |
| 15 : 40 - 16 : 15 | <i>Wind effects on tall buildings in typhoon prone urban environment</i> | |
| | <i>Kenny C.S. Kwok, Hong Kong University of Science and Technology, Hong Kong</i> | |
| 16 : 15 - 16 : 50 | <i>Wind damage investigations: lessons learnt and research needs</i> | |
| | <i>Bogusz Bienkiewicz, Colorado State University, USA, President of AAWE</i> | |
| 16 : 50 - 17 : 25 | <i>Approximate probability distributions for peak pressure coefficients</i> | |
| | <i>Jun Kanda, The University of Tokyo</i> | |
| 18 : 00 - 20 : 00 | <i>Symposium Party at Heart Inn Nogizaka</i> | |



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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.

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