

International Workshop on Gusty Wind, Thermal Environment and Energy Saving

March 9 ~ 10, 2017, Atsugi Campus
Tokyo Polytechnic University

Organized by

Wind Engineering Joint Usage / Research Center
Tokyo Polytechnic University

Co-organized by

Japan Association for Wind Engineering

Supported by

The Society of Heating, Air-Conditioning and
Sanitary Engineers of Japan
The Meteorological Society of Japan
Japan Society of Civil Engineers
Architectural Institute of Japan

Introduction / Objectives

The Wind Engineering Research Center (WERC) at Tokyo Polytechnic University (TPU) was adopted as the Wind Engineering Joint Usage / Research Center (WE-JURC) by the Ministry of Education, Culture, Sports, Science and Technology in Japan. It is now actively promoting joint researches, building on previous research results and utilizing the facilities available. The 2nd stage of WE-JURC was started this year, and aims to promote collaborative researches with overseas researchers.



In this workshop, as a part of Inter-Pacific-rim Collaborative Research on Wind Engineering (IPCR-WE), the efforts of each country on various researches on the characteristics of gusty wind, countermeasures to damage, evaluation of thermal and air environments and countermeasures to their effects, and energy-saving technology for buildings will be discussed.

Topics

- Characteristics of gusty wind
- Countermeasures of gusty wind-induced disasters
- Indoor and urban air quality
- Building energy efficiency

Keynote Speakers

Professor Greg Kopp (Western University, Canada)

Wind Speed Estimation from Observed Damage in Tornadoes

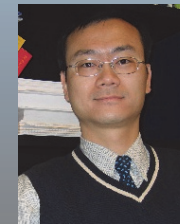


Professor Sungsu Lee (Chungbuk National University, Korea)

Characteristics and Prognosis of Thunderstorm Wind Gust

Professor John Z. Zhai (University of Colorado at Boulder, USA)

Inverse Tracking of Indoor and Outdoor Pollutant Sources with Limited Sensor Outputs



Mar. 9 ~ 10, 2017 WE-Joint Usage/Research Center
Tokyo Polytechnic University

Organizing Committee

Y. Tamura, Program Coordinator of WE-JURC, TPU
Beijing Jiaotong University
M. Matsui, Director of WE-JURC, TPU
N. Fukudome, Tokyo Polytechnic University
Y.C. Kim, Tokyo Polytechnic University
K. Mizutani, Tokyo Polytechnic University
A. Yoshida, Tokyo Polytechnic University
W. Zhang, Tokyo Polytechnic University

Participating Organization

Beijing Jiaotong University, Beijing University of Technology, Tongji University, Tsinghua University (China), Birla Institute of Technology and Science (India), Chungbuk National University, Sejong University (Korea), Institute of Building Structures (Vietnam), Kajima Technical Research Institute, Kochi University, National Institute of Technology (Toyota College), Meisei Electric Co., LTD, Yokohama National University (Japan), National Cheng Kung University, Tamkang University (Taiwan), University of Colorado at Boulder (USA), Western University (Canada)

Contacts

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Program

March 9 (Thursday), 2017

- Technical Tour, 15:00 ~ 17:00
- Ice Breaker Reception, 17:30 ~ 19:30

March 10 (Friday), 2017 (Main Building)

- Opening Address (Conference room), 9:30 ~ 9:40
- Keynote Speech (Conference room), 9:40 ~ 12:20

Professor Greg Kopp

(Western University, Canada)

Professor Sungsu Lee

(Chungbuk National University, Korea)

Professor John Z. Zhai

(University of Colorado at Boulder, USA)

- Parallel Session, 13:30 ~ 18:10

Structural Wind Engineering (Room 011)

Environmental Wind Engineering (Room 012)

March 9 (Thu.) and 10 (Fri.), 2017 (Student Hall)

- Company Exhibition



Registration

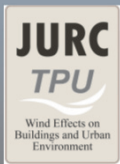
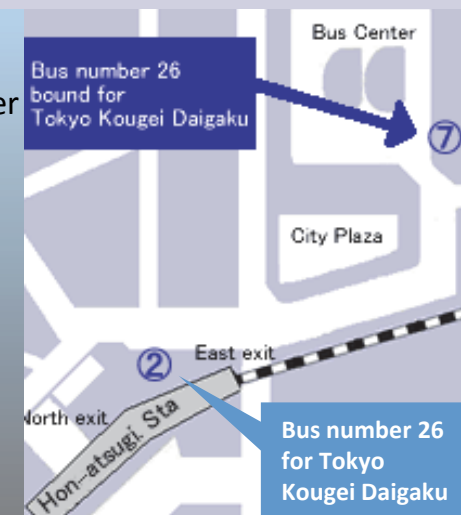
- Please mail us for early registration. Deadline is February 28.
- On-site registration is also possible.
- Registration fee is 2,000Yen (cash only). Please pay at registration desk, and receive a name tag, pen, and handout.
- You can have lunch at the cafeteria or buy a lunch box at a cooperative store.
- Feel free to take a drink in the break room at Student Hall.

Access

- Odakyu Odawara Line
Hon-Atsugi Station



- North exit of Hon-Atsugi station
Bus Stop 2 in front of SURUGA Bank or Bus Stop 7 at Atsugi Bus Center
Bus Number 26 for Tokyo Kougei Daigaku, Last stop
(About 20min. ride)
- For more information, please visit the following address.
<https://www.t-kougei.ac.jp/e/about/atsugi.html>



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