



東京工芸大学・風工学研究拠点・研究集会（2016年3月5日）のご案内
**International Exchange Meeting on Wind engineering
from indoor environment to urban area**

Hosted by : Wind Engineering Research Center, Tokyo Polytechnic University and Tsinghua University

Venue : Tsinghua University, Beijing, China

Date : March 5th, 2016

Objective

This international exchange meeting focuses on the most recent scientific results on the wind engineering of both outdoor and indoor scale. All the presentations are classified into 4 sessions, including the pollutant dispersion in urban area, the influence of vertical greenery on balcony to natural ventilation, the moisture buffering performance of straw panel in air flow field, and the ventilation rates in large enclosed spaces, which are all connected by the key word “air movement”. Thus, from this point of view, this meeting will provide a transverse discussion about the air flow from urban scale to indoor scale.

Program

10:00 – 12:00 Ice Breaker & Lab tour

12:00 – 13:30 Lunch break

13:30 – 13:40 **Weirong Zhang (Tokyo Polytechnic University, Japan)**

Project Introduction

S1: Investigation on the influence of planning factors on the near-field pollutant dispersion

13:40– 14:10 **Xiaofeng Li (Tsinghua University)**

Investigation on the influence of planning factors on the near-field pollutant dispersion within urban areas

S2: The influence of vertical greenery on mansion balcony to indoor thermal environment

14:10 – 14:40 **Yaw-Shyan Tsay (National Cheng Kung University)**

The improvement of balcony greenery on thermal comfort in Taiwan

14:40 – 15:30 Discussion & Coffee break

S3: Study on the preventing condensation effect under structural radiative cooling system

15:30 – 16:10 **Huibo Zhang (Shanghai Jiaotong University)**

Moisture buffering performance of straw panel and its application in underground environment

16:10 – 16:40 **Yaw-Shyan Tsay (National Cheng Kung University)**

The applicability of moisture buffering materials in hot and humid climate.

S4: Evaluating the ventilation rates in large enclosed spaces

16:40 – 17:10 **Pok Cheng (Tsinghua University)**

The effect of window opening area on natural ventilation in large rooms

17:10 – 17:40 **Weirong Zhang (Tokyo Polytechnic University)**

The application of the contribution ratio of indoor climate