

Wind Engineering Joint Usage / Research Center, MEXT Japan

**TOKYO POLYTECHNIC UNIVERSITY**

Wind Engineering Research Center

1583 Iiyama, Atsugi, Kanagawa, Japan 243-0297

Phone & Facsimile: +81 (0) 46 242 9547

## TPU WE-JURC Special Open Seminar

# Advanced Structural Wind Engineering

March 14, 2015

Conference Room 3H, Shinjuku NS Building, Tokyo

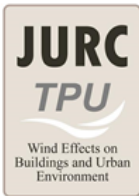
Organized by Wind Engineering Joint Usage/Research Center  
Tokyo Polytechnic University (TPU)

Co-sponsored by Japan Association for Wind Engineering (JAWE),  
Architectural Institute of Japan (AIJ), Japan Society of Civil  
Engineers (JSCE)

Guest Advisor: Shuyang Cao, Olivier Flamand

## Program

09:50-10:00	Opening Remarks	Yukio Tamura, Beijing Jiaotong University, China
10:00-10:45	Experiments on tornado-like flows on a laboratory scale	Masahiro Matsui, Tokyo Polytechnic University, Japan
11:00-11:45	New results on tornado simulations	Horia Hangan, University of Western Ontario, Canada
12:00-13:00	<i>Lunch Break</i>	
13:00-13:45	Changing dynamic of wind loads: from uniform flows to gust fronts	Ahsan Kareem, University of Notre Dame, USA
14:00-14:45	Wind loads on air-permeable, multi-layer cladding systems	Greg Kopp, University of Western Ontario, Canada
15:00-15:45	The atmospheric boundary layer: concepts and applications to wind engineering	Forrest Masters, University of Florida, USA
16:00-16:45	Development of a full-scale wind tunnel for testing buildings and structures	Tim Reinhold, Institute for Business and Home Safety, USA
17:00-17:45	Managing a large climatic wind tunnel :maintenance during the first 20 years of a facility operating 240 days a year	Pierre Palier, Centre Scientifique et Technique du Bâtiment, France
17:45-18:00	Closing Remarks	Yoshie Ryuichiro, Tokyo Polytechnic University, Japan



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## TPU WE-JURC 特別オープンセミナー

構造風工学に関する最近の話題  
(共同利用共同研究・成果発表会を兼ねて)

2015年3月14日(土)

新宿NSビル・会議室3H, 東京

アクセス <http://www.shinjuku-ns.co.jp/about/access.php>

主催：東京工芸大学・風工学 共同利用共同研究拠点

後援：日本風工学会，日本建築学会，土木学会

ゲストアドバイザー：Shuyang Cao, Olivier Flamand

### プログラム

09:50-10:00	開会挨拶	田村幸雄, 北京交通大学
10:00-10:45	Experiments on tornado-like flows on a laboratory scale	Masahiro Matsui, Tokyo Polytechnic University, Japan
11:00-11:45	New results on tornado versus straight wind loading	Horia Hangan, University of Western Ontario, Canada
12:00-13:00	Lunch Break	
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17:45-18:00	閉会挨拶	義江龍一郎, 東京工芸大学