**The 16th International Advanced School on Wind and Structural Engineering (IAS16)**

**（October 20-22, 2018, Chongqing）**

**Sponsored by:**

Base for Introducing Talents of Discipline to University on High-performance Wind Energy System and Effective Operation (Chongqing University)

Base for Introducing Talents of Discipline to University on Wind-sensitive Infrastructure and Wind-induced disaster mitigation (Beijing Jiaotong University)

**Organized by:**

School of Civil Engineering, Chongqing University

Wind Engineering Joint Usage/Research Center, Tokyo Polytechnic University, Japan

Journal of *Building Structure*

**Supported by:**

Department of Science, Education, Culture and Health Experts, State Bureau of Foreign Experts Affairs

**Key Dates：**

Registration: October 20, 2018

School : October 20-22, 2018

**Venue:**

Chongqing Empark Grand Hotel

Address: (No.1, 2nd Branch, Jianxin North Road, Jiangbei District, Chongqing, China)

1. **Aims and Recruitment of Students Scope**

Structural and wind engineering are important research areas in the civil engineering field. The 16th international advanced school on wind and structural engineering, which was initiated and is presided over by Prof. Yukio Tamura, Academician of the Chinese Academy of Engineering (CAE), and former President of the International Association of Wind Engineering (IAWE), Professor Emeritus of Tokyo Polytechnic University and Professor of Chongqing University, will be held in Chongqing, China from October 20 to 22, 2018. The course will covers wind flow characteristics, building and bridge aerodynamics under stationary and non-stationary strong winds, equivalent wind loads and wind-induced responses, wind tunnel techniques, computational fluid dynamics (CFD), damping in buildings for wind resistant design, urban wind energy, structural health monitoring, high-performance steel structures, and so on.

Researchers and students in universities and research and educational institutes, relevant engineers and governors are all very welcome to join the IAS16.

1. **Lecturers** (in an alphabetical order)

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| Professor C．Baniotopoulos  (University of Birmingham, UK) | Professor S.Y. Cao  (Tongji University, China) | | Professor X.Z. Chen  (Texas Tech University, USA) |
|  |  | | C:\Users\Administrator\Desktop\Prof Kazuhiko Kasai.bmp |
| Professor R. Flay  (The University of Auckland, New Zealand) | Professor A. Kareem  (University of Notre Dame, USA) | | Professor K. Kasai  (Tokyo Institute of Technology, Japan) |
| C:\Users\Administrator\Desktop\Prof Ken'ichi Kawaguchi.jpg |  | | C:\Users\Administrator\AppData\Local\Netease\MailMaster\view\4\A1068\Photo_Piccardo.jpg |
| Professor K. Kawaguchi  (The University of Tokyo, Japan) | Professor K. C. S. Kwok  (The University of Sydney, Australia) | | Professor G. Piccardo  (University of Genoa, Italy) |
| http://tse4.mm.bing.net/th?id=OIP.ONEHxVE3C8Wyyp5kAIFz6AC-EY&pid=15.1 |  | |  |
| Professor B. F. Spencer  (University of Illinois Urbana-Champaign, USA) | Professor G. Solari  (University of Genoa, Italy) | | Professor T. Stathopoulos  (Concordia University, Canada) |
| C:\Users\Administrator\Desktop\Yukio Tamura.jpg | |  | |
| Professor Y. Tamura  (Chongqing University, China) | | Professor Q.S. Yang  (Chongqing University, China) | |

1. **Schedule**

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| **Saturday, October 20, 2018** | | | | | |
| 8:15 - 8:50 | | Registration | | | |
| 8:50 - 9:00 | | Opening | | | |
| Chair: S.Y. Cao | | | | | |
| 9:00 - 9:50 | | Strong wind and characteristics | | S.Y. Cao | Tongji University, China |
| 10:00 - 10:50 | | Bluff body aerodynamics | | R. Flay | University of Auckland, New Zealand |
| 11:00 - 11:50 | | Wind-induced vibrations of structures with special reference to tall buildings | | K.C.S. Kwok | University of Sydney, Australia |
| 11:50 - 12:00 | | Assembly Photo (G.Q. Huang & S.T. Gu) | | | |
| Lunch Break | | | | | |
| Chair: G.Q. Huang | | | | | |
| 13:00 - 13:50 | | Dynamic along-wind, crosswind and torsional response of slender structures | | G. Solari | University of Genova, Italy |
| 14:00 - 14:50 | | Multimode coupled response of long-span bridges to strong winds | | X. Chen | Texas Tech University, USA |
| 15:00 - 15:50 | | Cable dynamics and galloping oscillations | | G. Piccardo | University of Genova, Italy |
| 16:00 - 16:50 | | Numerical simulation of wind effects | | A. Kareem | University of Notre Dame, USA |
| **Sunday, October 21, 2018** | | | | | |
| Chair: S.T. Gu | | | | | |
| 9:00 - 09:50 | | | Thunderstorm loading and response of structures | G. Solari | University of Genova, Italy |
| 10:00 - 10:50 | | | Adverse effects of wind-induced building motion on occupant | K.C.S. Kwok | University of Sydney, Australia |
| 11:00 - 11:50 | | | Pedestrian-level wind investigations for determining comfort categories | R. Flay | University of Auckland, New Zealand |
| Lunch Break | | | | | |
| Chair: B.W. Yan | | | | | |
| 13:00 - 13:50 | | | Code for wind-resistant design of roof structures in China | Q.S. Yang | Chongqing University, China |
| 14:00 - 14:50 | | | Wind loads on canopies and solar panels | T. Stathopoulos | Concordia University, Canada |
| 15:00 - 15:50 | | | Urban wind energy | T. Stathopoulos | Concordia University, Canada |
| 16:00 - 16:50 | | | Structural design of onshore tall steel wind turbine towers | C. Baniotopoulos | Concordia University, Canada |
| **Monday, October 22, 2018** | | | | | |
| Chair: Y. Tamura | | | | | |
| 9:00 - 09:50 | CFD applications to structural wind engineering problems | | | S.Y. Cao | Tongji University, China |
| 10:00 - 10:50 | Damping in buildings for wind-resistant design | | | Y. Tamura | Chongqing University, China |
| 11:00 - 11:50 | Building dampers under long duration earthquakes or winds | | | K. Kasai | Tokyo Institute of Technology, Japan |
| Lunch Break | | | | | |
| Chair: Q.S. Yang | | | | | |
| 13:00 - 13:50 | Damage to long-span roof structures due to earthquakes, winds or snow | | | K. Kawaguchi | University of Tokyo, Japan |
| 14:00 - 14:50 | Equivalent linearization of nonlinear structures subjected to stochastic excitations | | | B.F. Spencer | University of Illinois UC, USA |
| 15:00 - 15:50 | Stochastic structural optimization | | | B.F. Spencer | University of Illinois UC, USA |
| 16:00 - 16:50 | Efficient observation of random field - Proper Orthogonal Decomposition (POD) | | | Y. Tamura | Chongqing University, China |
| 16:50 - 17:20 | Closing & Certification Ceremony | | | | |

1. **Tuition Fees**

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|  | Full-time student (with student ID card) | Other personnel |
| Fees (RMB) | **800** | **1400** |

Note: Cost of the course covers all material expenses, site fees, attendance fees and so on.

1. **Sign-Up**

Please visit the official website of the Journal of *Building Structure*: www.buildingstructure.cn, download and fill out the meeting receipt in the left bulletin board (see the attachment, and send it to jzjg2016@qq.com before October. 10, 2018. The IAS16 Secretariat will reply within 3 working days whether or not your sign-up has been accepted. If no reply is received, please contact the conference group as soon as possible. Payment information is as follows:

* Payee name：: Asia-Pacific Institute of Construction Scitech Information Co., Ltd.
* Bank name: East Sanhuan Sub-branch, Beijing, China Merchants Bank
* Bank account number：110908001310606
* Bank Address：No.1 East Sanhuan North Road, Chaoyang District, Beijing China
* Swift: CMBCCNBS
* Remittance message: IAS + “participant’s name”

**Special reminder:** Please try to use the bank remittance (counter transfer, online bank or mobile bank), we suggest that you do not use Ali-pay remittance (because the Ali-pay system gives incomplete remittance information, which will delay entry and invoice issuing).

1. **Accommodation**

The IAS16 Secretariat is not responsible for hotel reservations. Please make your own hotel reservation in advance.

The hotels listed below are close to the venue:

**Chongqing Empark Grand Hotel**: No.1, 2nd branch, Jianxin North Road, Jiangbei District, Chongqing. Tel: 023-67958888

**Chongqing Yimei Hotel:** No. 36 Jianxin North Road, Jiangbei District. Distance to EMPARK HOTELS & RESORTS is 1.2km. Tel: 023-67098888

**Lifeng Hotel:** (Pedestrian street shop, Guanyin Bridge, Chongqing). No 38, Donghuan Road, Guanyin Bridge, Jiangbei District. Distance to EMPARK HOTELS & RESORTS is 1.0km. Tel: 023-67027888

**Osling Hotel:** (Chongqing Yellow Mud Pound Subway Store) Zhongxin Building, No. 155, Zikang Road, Huangniibin, Jiangbei District. Distance to EMPARK HOTELS & RESORTS is 2.8km. Tel: 023-67452333

**Chongqing National Air Hotel:** Harahefu Hotel)No. 2 Hongjin Avenue, Jiangbei District(next to Exit 4, Light Rail Station,Red Flag Channel). Distance to EMPARK HOTELS & RESORTS is 2.1km. Tel: 023-67533333, 67636666

**Yunchen Times Hotel:** Chongqing Liujia Wharf Store)No. 196, Beibin Road, Jiangbei District (10th floor, Haosheng, Pearl River). Distance to EMPARK HOTELS & RESORTS is 4.0 km. Tel: 023-68460775

1. **Contact information for conference affair**

Journal of *Building Structure*

Qiong Wu: 010-57368787 (Registration inquiry);

Na Li: 010-57368783, 15801601545 (Conference consultation and investment promotion);

Bin Wang: 010-57368786, 18500192668 (Conference consultation and investment promotion);

Fax: 010-57368781;

Email:jzjg2016@qq.com (registration only);

Website: [www.buildingstructure.cn](http://www.buildingstructure.cn).

Chongqing University

Bowen Yan: 15683789537（Conference consultation）

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| **Special Notice**   1. Regarding invoice matters: Please check with our financial department before filling out the receipt form to check if you need a special invoice to be issued for VAT. If necessary, please provide accurate VAT invoice information, including: invoice title (name), tax number, address, telephone, bank account, account number. If you do not provide the VAT special invoice information, a VAT general invoice will be issued by default. After the invoice is issued, it cannot be returned or changed. 2. Please use bank remittance (counter transfer, internet banking or mobile bank). We suggest that you do not use Alipay remittance (because the Alipay system gives incomplete remittance information, which will delay account and invoice) 3. Deadline: Please submit the receipt form and pay the conference fee before 10th, October, 2018. |

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| **Attached：IAS16 Membership Receipt Form （fill in the complete information send to: jzjg2016@qq.com）** | | | | | |
| **Name of the representative** | **Affiliation** | | **Position or title** | **Telephone** | **E-mail** |
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| Remittance information | | Remittance mode (Bank, WeChat ) | |  | |
| Remittance time ( Format: year / month / day ) | |  | |
| Remittance unit ( If you are sending money in your personal capacity, please indicate the sender ) | |  | |
| Remittance amount ( Yuan ) | |  | |
| If you need an invoice, please fill in the information. | | Invoice sheet number (No special requirement for a total amount ) | |  | |
| Invoice title ( Please be accurate ) | |  | |
| Duty paragraph | |  | |
| Invoice content | | Conference expenses | |
| Invoice receiver information | | Name | |  | |
| Address ( Give all details to ensure your mail is not lost ) | |  | |
| Tel | |  | |
| If you need to issue a special invoice for VAT, fill in the relevant information on the right; **If you do not fill in the right blank column, VAT invoice will be issued by default, and it can not be replaced or returned after issuing.** | | Invoice title ( Name ) | |  | |
| Duty paragraph | |  | |
| Address | |  | |
| Tel | |  | |
| Bank of deposit | |  | |
| Account number | |  | |

Note:

1. Prepaid representatives (with remittance voucher) collect invoices at the conference site.
2. On-site payment accepts cash only. Invoice will be sent by courier 15 days after the meeting.
3. For convenience of communication, we suggest you bring your business card.