

Arup 的高新技术与风工程研究 Advanced Technology and Wind Engineering in Arup

Andrew Allsop

Date: 2015 年 7 月 9 日 (星期四) 9th July 2015 (Thursday)

Time: 下午 2:30 – 4:30 pm

Location: 浙江大学紫金港校区建工学院安中大楼一楼报告厅
1st Floor Auditorium, Anzhong Building, College of Civil
Engineering and Architecture, Zhejiang University

Andrew 自 1987 年起任 Arup 全球主要工程项目的首席风工程专家，是英国风工程学会研究理事会成员，曾参与许多地区建筑规范的编写，包括英国 BS6399 与 BS8100 规范、欧盟建筑规范的抗风部分等。Andrew 并担任工程科学数据总汇 ESDU 的编委。目前还参与香港抗风规范的编写和烟囱设计的国际标准 CICIND 的编制。

Andrew Allsop has been Arup's leading wind engineering specialist since 1987 and in this time has been consulted on the design of most of the wind sensitive projects designed by Arup globally. He has the following membership of committees and academic positions: member of BSI Committees for BS 6399: Part 2 (wind loads on buildings) and BS 8100 (lattice towers and guyed masts), review EC1 Part 2.4 (Wind loads), chief editor of the new Hong Kong wind code, member of the main and research committees of UK Wind Engineering Society (WES, an Associated Society of the ICE), editorial board member of Engineering Sciences Data Unit (ESDU) wind engineering panel, CICIND – interested in developing international design rules for chimneys and IASS Working Group 4 (as CICIND but for masts and towers).



Andrew Allsop

Director 总工程师
奥雅纳 Arup 国际工程咨询公司
高新技术研发部(AT+R)

关于 Arup 高新技术研发部的介绍

- 动态设计与环境荷载设计研究
- 结构与机械系统的设计研究
- 特殊结构工程
- 研究、知识和技能的融汇

Arup 的风工程 (工程实例)

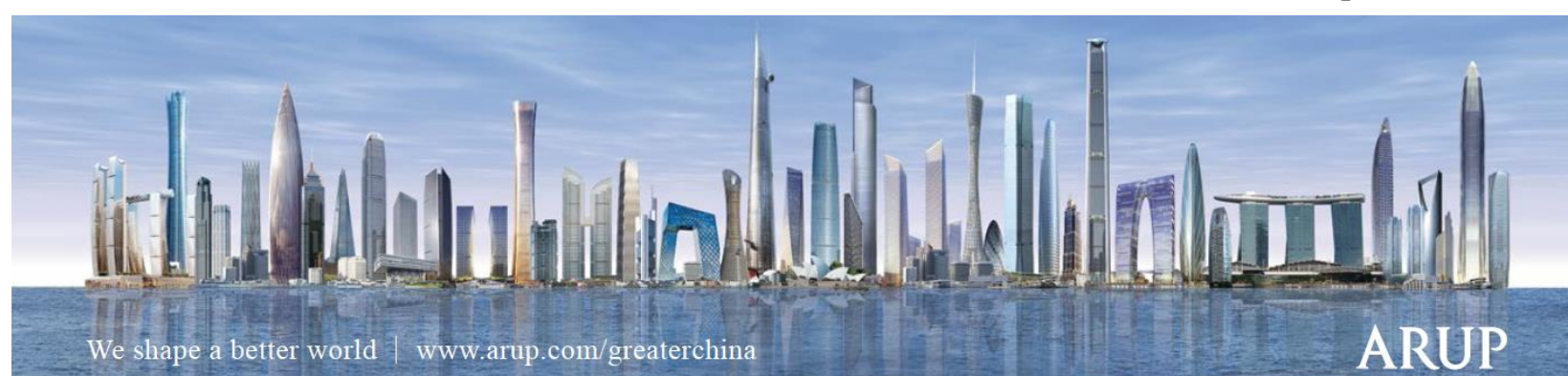
- 什么时候需要风工程师的介入
- 如何组织特殊的风工程研究
- 风洞试验与 CFD 数值模拟
- 风气候研究的重要性
- 风环境问题, 风荷载与结构响应问题

Introduction of the global Advanced Technology and Research (AT+R) team in Arup

- ✧ Design for Dynamic and Environmental Loads
- ✧ Design of Structural and Mechanical Systems
- ✧ Specialist Structural Engineering
- ✧ Research, Knowledge and Skills

Wind Engineering in Arup – project examples

- ✧ When do you need a wind engineer?
- ✧ Organising special wind studies
- ✧ Wind Tunnel v. CFD
- ✧ Importance of Wind Climate
- ✧ Environmental Winds
- ✧ Wind Loads and Structural Response



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