

# **Wind Engineering Society**

## **8th UK Conference on Wind Engineering**

**University of Surrey, Guildford, UK**

**14th-16th July, 2008**

The 8th Conference on Wind Engineering (WES-08) will be held at the University of Surrey, Guildford, from July 14th to July 16th, 2008. The conference, co-hosted by the University of Portsmouth, will explore and discuss developments, projects and techniques applied to the field of wind engineering. The UK Wind Engineering Society has organised biennial conferences since 1992, and they have developed a well-deserved reputation for being friendly and informative meetings. The conferences have a proudly held tradition of welcoming new delegates and speakers, especially encouraging young engineers, designers and scientists to take part and present new ideas. They provide a forum where information can be exchanged and advice sought freely, in a friendly and constructive atmosphere.

The University of Surrey campus is within walking distance of Guildford town centre and station, directly off the A3 and just nine miles from the M25. Gatwick and Heathrow international airports have quick and convenient links to Guildford, the journey taking approximately 45 minutes. Full details on travel to the Campus and additional local information can be found at:

[www.surrey.ac.uk](http://www.surrey.ac.uk)

then select “Visitors” from the menu on the left hand side.

Facilities will be available for early arrivals on the Sunday and late departures on Thursday.

### **Instructions for authors**

Papers for the conference proceedings should be 4-6 pages in length, in 12 point font (preferably Time New Roman, justified).

Please ensure that any use of colour will remain clear when reproduced in black and white.

Forward papers to Alan Robins at [a.robins@surrey.ac.uk](mailto:a.robins@surrey.ac.uk) in pdf format by 1<sup>st</sup> July.

## Papers and programme (as at 1/6/08)

### Papers and lead authors

Ref	Lead author	Institute	Title
w1	M Stirling	Birmingham	An investigation of the wind induced forces in an electrical multiple unit train
b1	A Karim	South Bank	Meshing strategy for modelling atmospheric flow over buildings situated on ground with high terrain
w2	P Blackmore	BRE	Wind loads on roof mounted PV modules
w3	P M-Vazquez	RWDI	Effect of Simulated Across-Wind Forces on Isolated Cylinders and its Comparison with the ESDU Code and Wind Tunnel Tests
b2	P M-Vazquez	RWDI	The Use of Image Recognition Techniques to Identify Wind Time Series
u1	P Blackmore	BRE	Optimising the location of micro-wind turbines on house roofs
w4	A Robertson	Birmingham	Wind loads on tiles and underlays
b3	J Smith	BRE	Wind tunnel and CFD modelling of roof valleys
w5	K Tanemoto	RailwayTRI	Wind tunnel test on the wind-break fence of the Kansai International Airport Access Bridge
u2	N Hill	Durham	Exploiting local flow effects for building integrated microgeneration in the urban environment
u3	B Lee	Portsmouth	Climate change and wind engineering
u4	A Robins	Surrey	DAPPLE - update
u5	P Hayden	Surrey	Experimental study of flow and dispersion in urban arrays
b4	K Sassa	Kochi	The velocity field of a travelling tornado near the surface
b5	J Holmes	JDH	Recent developments in prediction of wind-induced fatigue life
u6	M Bady	Tokyo	Towards the Use of Inverse CFD Modelling to Identify Pollution Sources Locations in Urban Areas
u7	J Barlow	Reading	Using remote sensing to measure wind and turbulence profiles over UK cities
b6	M Matsumoto	Kyoto	The role of vortex on Fluid-induced self-excited Vibration
w6	S Cammelli	BMT	A detailed review of site-specific wind speeds for a tall building design in Dubai
u8	T Kishida	Tokyo	LES estimation of strong wind around high-rise buildings in actual areas
b7	A Robertson	Strathclyde	Numerical simulation of rivulet evolution on a circular cylinder in air flow
b8	J Smith	BRE	Measurement of the Convective Heat Transfer from the External Surfaces of Building.
u9	I Castro	Southampton	Wind flows in non-uniform building arrays

b9	P Richards	Auckland	Windward Wall Pressure Admittance Processes for the Silsoe Cube
u10	R Hoxey	Silsoe	Static pressure in the atmospheric boundary layer
u11	Padhra	Reading	Surface drag in urban areas: the influence of building distribution and wind direction
u12	Z-T Xie	Southampton	Wind direction effects on flow and pollutant dispersion in urban streets
w7	L Rowberry	Southampton	Upstream turbulence effects on fluctuating surface pressures on a model building
b10	J Macdonald	Bristol	Large-scale wind tunnel tests of inclined cable vibrations - preliminary findings
w8	N Waterson	Mott Mac	Estimating wind loads for preliminary design using a combined computational and code-based approach
b11	T Mizota	Fukuoka	Strange trajectory mechanism of less rotation soccer ball by wind tunnel experiments
u13	P Giambini	Florence	Applications of concentration correlation techniques
w9	R Hoxey	Silsoe	Keynote lecture: Silsoe research – a review

## Programme

Date	Time	Activity	Papers
Monday, 14/07/08	10:00-12:00	Registration	
	12:00	Lunch	
	14:00	Introductions	
	14:15	Keynote	
		Session W1	w1-w2
	16:00	Tea	
	16:30	Session W2	w3-w6
	18:00	Notices & posters	
Tuesday, 15/07/08	8:30	Session U1	u1-u5
	10:30	Coffee	
	11:00	Session U2	u6-u9
	13:00	Lunch	
	14:00	Session U3	u10-u13
	16:00	Tea	
	16:30	Session W3	w7-w9
	18:00	Close	
Wednesday, 16/07/08	8:30	Session B1	b1-b5
	10:30	Coffee	
	11:00	Session B2	b6-b11
	13:15	Close	
	13:30	Lunch	
	14:00	Laboratory Tour	
	16:00	Depart	
Keynote: 1 hour Standard papers: 15 minutes + 5 minutes questions			

**Alan Robins**  
**6<sup>th</sup> June, 2008**