

Call for Papers

City weathers: meteorology and urban design 1950-2010

**Manchester Architecture Research Centre (MARC)
Centre for the History of Science Technology and Medicine (CHSTM)**

23-24 June 2011, at the University of Manchester, United Kingdom

CFP categories: urban climatology, urban design, environmental history, physical geography, sustainable development, environmental policy, science and technology studies

The topic of this ESRC-sponsored workshop is the application of climatological and meteorological knowledge in city planning. Buildings, roads and landscape affect urban temperature, wind, rain and air quality, which in turn affect human comfort, health and security. The nexus between design and microclimate was historically recognised in oriental *feng shue* and western traditions of Vitruvianism and sanitarianism. Through the ages decisions on urban layout have taken account of topography, orientation, the weathercock and the wind-rose.

During the late twentieth century, a few cities – mostly German – continued to incorporate meteorological factors into town plans. As the scientific state-of-the-art became more sophisticated, so did its potential contribution to physical planning. Scientists saw urban climatology as an applied science and lobbied for its relevance through policy networks such as World Meteorological Organisation and World Health Organisation. But in most cities the application was confined to the scale of individual buildings, and external environments were designed and modified without regard to climatic consequences.

Since 2000 anthropogenic changes at the global scale have revived interest in the ability of urban areas to shape their own weather outcomes through intelligent design. Urban climatology and biometeorology have made significant advances in measurement and analysis of urban heat island processes. At last urban climatology is pushing at an open door, and there is growing interest in precedents and best practice.

The meeting will take a long view of climatic urbanism, bringing together scientists, historians and practitioners to learn how knowledge of weather has been applied or disregarded in the design and management of urban areas. The ESRC project 'Climate Science in Urban Design' is researching historical knowledge networks and contemporary experiences in Stuttgart, Tokyo/Yokohama, New York City and Manchester. Findings from the project will frame contributions from other researchers on the two project themes :

research progress & knowledge transfer in urban climatology 1950-2010

current uses of urban climatology in city planning and urban design.

Participation

We invite proposals from any relevant discipline. Abstracts should be up to 500 words long and include a short bio. The workshop language will be English. Papers should generally not have been published elsewhere, though we encourage contributions not previously presented in English. The intention is to publish a selection of the workshop material as a special issue of an appropriate journal.

Practicalities

The workshop will be held on the University of Manchester campus which has excellent access by rail, air and road. The event is supported by the ESRC. Participation is by invitation and will cover the following costs of paper-givers: dinner and accommodation on Thursday June 23, breakfast and lunch on Friday June 24, and travel within the United Kingdom.

Key Dates

June 15, 2010: call for papers
August 31 2010: submission of abstracts.
September 31 2010: notification of selected papers
May 30, 2011: submission of full papers
June 23 2011: workshop opens early evening
June 24 2011: workshop ends late afternoon

Contacts

For initial enquiries contact a member of the research team:

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Abstracts should be submitted by the end of August 2010 to Darien Rozentals (MARC Administrator) darien.rozentals@manchester.ac.uk

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Climate Science and Urban Design – a Historical and Comparative Study
funded by the ESRC under grant RES 062 23 2134

City weathers: meteorology and urban design 1950-2010

Manchester Architecture Research Centre (MARC)

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23-24 June 2011, at the University of Manchester, United Kingdom

Paper Title:

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Academic Title:

Name:

Correspondence Address:

City:

Post Code:

Country:

Affiliation:

Phone Number:

Email Address:

Paper Abstract (no more than 500 words):

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<i>Research progress and knowledge transfer in urban climatology 1950-2010</i>	
<i>Current uses of urban climatology in city planning and urban design</i>	

Equipment Requirements:

Data Projector & Laptop
(please note that we cannot support macintosh machines)
 Other (DVD, CD, Video, Sound etc)

Biography (no more than 150 words):

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Please return this submission of abstract by 31 August 2010:

darien.rozentals@manchester.ac.uk



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