

Department of Building

invites you to a Public Lecture



on **Urban Climatic Mapping** and
The Air Ventilation Assessment System for Planning

13 May 2005

2.30 pm to 5.30 pm

LR 427, SDE 3, Level 4, School of Design & Environment*

No fee required. All are welcome. Please register early to reserve a place.

What is Urban Climatic Map?

Instead of assessing a proposal when it arises, it is beneficial to be pro-active in such a way that the wind availability and needs of a site could be identified beforehand. The Urban Climatic Map offers such a possibility. Developed initially in Germany and now used by planners in Germany, the map scientifically identifies the wind issues of a particular area. Based on the severity of the issue at hand, various planning requirements could be identified. For example, if a proposal is located on or next to a major air path to the city, particular care and tests should be taken.

How to optimise the built form and plan for better air ventilation to achieve quality living?

Hong Kong is a high-density city in the sub-tropical climatic region. Having a light breeze in the summer and good air ventilation in its urban areas is ideal. Recently, the Planning Department of Hong Kong Government commissioned a research study to establish an evaluation mechanism. The findings will be reported. Currently, recommendations have been obtained from the public and are being considered administratively for implementation.

PROGRAMME

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2.30 pm	Registration
3.00 pm	Opening Address
3.10 pm	Urban Climatic Mapping by Professor Lutz Katzchner
4.10 pm	Break
4.40 pm	The Air Ventilation Assessment System for Planning by Professor Edward Ng
5.10 pm	Q&A
5.30 pm	End

The Speakers

Prof Lutz Katzschner is Director of the Research Institute for Environmental Meteorology at the University of Kassel, Germany. He is an Urban Meteorologist, and the only one of his kind working closely with architects and planners. Prof Katzschner is Chairman of the Working Group for a national guideline on urban planning and urban climate in Germany.

Prof Edward Ng is an Architect and a Professor at the Department of Architecture, Chinese University of Hong Kong. Educated in the UK, he obtained his PhD from Cambridge University. Since then he has been practising as an architect and lecturing in various universities. Prof Ng's area of specialty is Environmental Design. He is a consultant to the Hong Kong government and many private practices and organisations in the region. Prof Ng's special daylight design method is now a building regulation in Hong Kong. Recently, he is working on developing Air Ventilation Assessment Guidelines for city planning for the Hong Kong government. A visiting professor at Xian Jiaotong University in China, Prof Ng is designing prototype ecological buildings for the region under the area's strategic development plan.

Registration Details

Please register with [Ms Chelvi](#), Department of Building, National University of Singapore; DID 68745150/ fax 67755502, by **12 May 2005**.

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