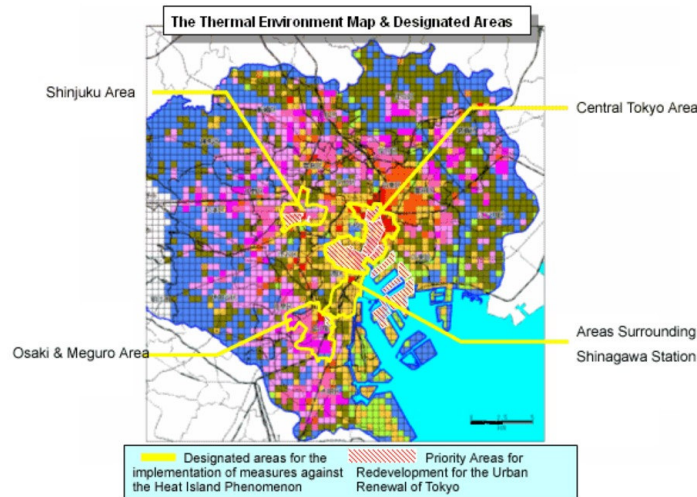




Professional Green Building Council
Technical Seminar 2/2009

Urban Climatology Application in Japan



by Dr Yasunobu Ashie

Head of Environmental and Equipment Division
National Institute for Land and Infrastructure Management
Ministry of Land, Infrastructure, Transport and Tourism, Japan

Date : 24 April 2009 (Friday)
Time : 6:30 pm - 8:00 pm
Venue : The Hong Kong Institute of Architects premises
19/F, One Hysan Avenue, Causeway Bay, Hong Kong

Free Admission and First-come-first-served

Seminar Synopsis :

UHI countermeasures are becoming increasingly important in Japan, especially in Mega cities such as Tokyo and Osaka in recent years. Since buildings and roads primarily consist of manmade materials like asphalt and concrete, the surface temperatures of these materials when exposed to sunlight in the middle of the day can rise up to 50 to 60 degrees Celsius. To lower the urban air temperature, land surface covering should be an important view and the heat generation in urban areas such as anthropogenic heat release needs to be reduced. In addition, the use of the sea breeze, which transports a large amount of urban heat to outer areas, is potentially effective for urban air cooling. UHI situation of Tokyo has been analyzed by numerical simulation, field observation and wind tunnel test. At the seminar, urban redevelopment plans which can contribute to the creation of open spaces in the centre of Tokyo are discussed from the viewpoint of air temperature mitigation with the use of the results simulated by a powerful supercomputer system named the Earth Simulator. Thermal environmental map by the Tokyo government is also introduced at the seminar.

About the Speaker :



Dr. Yasunobu Ashie pursued his studies in sanitary engineering in Hokkaido University, and he is currently the Head of Environmental and Equipment Division of the National Institute for Land and Infrastructure Management under the Ministry of Land, Infrastructure, Transport and Tourism of the Government of Japan. Dr. Ashie specializes in heat island countermeasures, CFD, and low carbon city, and has been engaging with various departments of the Japanese government to carry out researches on environmental engineering for more than 18 years. His pioneering research experience has earned him the Encouragement Award of Architectural Institute of Japan and the Paper Award of Society of Heating Air-Conditioning and Sanitary Engineers of Japan.



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Registration & Enquiry

Please complete & return the attached Registration Form by email to pgbc@hkia.net not later than 23 April 2009. For enquiry, please contact Miss Purple Leung of PGBC Secretariat at tel. no. 2805 7097 or 2511 6323.

Successful registrations will be notified by email. Should the event be oversubscribed, successful registration list will be posted onto the PGBC website at http://www.hkpgbc.org/page5_2009.html.

Registration Form

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