

Cooling our cities: International efforts to implement heat island countermeasures

Thursday, 26 February 2015

Time : 8.30am – 12.45 pm (Refreshment will be provided)

Venue: SDE3, Level 4, LR426,

School of Design and Environment, NUS

Convener: Prof Wong Nyuk Hien

Please register [here](#)
by **16 February 2015**.

SYNOPSIS:

This seminar is organized in conjunction with the planning committee meeting of the Fourth International Conference on Countermeasures to Urban Heat island (4th IC²UHI) which is going to be held in NUS in year 2016.

Programme

08.30 – 09.00 Registration

09.00 – 09.05 Opening remarks

09.05 – 09.50 Keynote Speaker: Prof Hashem Akbari – Concordia University, Montreal, Canada

Title: Cooling our cities: International efforts to implement heat island countermeasures

09.50 – 10.20 Speaker 2: Dr. Sheikh Ahmad Zaki bin Shaikh Salim – Universiti Teknologi Malaysia

Title: Experimental estimation of aerodynamic parameters of urban building arrays with random geometries

10.20 – 11.00 Tea Break

11.00 – 11.30 Speaker 3: Assoc. Prof. Masayuki Ichinose – Tokyo Metropolitan University, Japan

Title: Performance verification of the transparent retro reflective façade in terms of UHI and indoor environment

11.30 – 12.00 Speaker 4: Dr Pattaranan Takkanon – Kasetsart university, Bangkok, Thailand

Title: The Bangkok comprehensive plan 2013 for urban green growth

12.00 – 12.30 Panel Discussion

12.30 – 12.45 Closing remarks

REGISTRATION DETAILS

Admission is **FREE** and all are welcome. For enquiries, please contact Ms Amanda at 6516 4836.

Disclaimer: The organizer reserves the right to cancel or postpone the event due to unforeseen circumstances.

SPEAKERS' PROFILE



Prof. Hashem Akbari is a Professor in the Department of Building, Civil and Environmental, Concordia University, Montreal, Canada. He has research expertise in the area of energy use and conservation in buildings, advanced energy technologies, utility energy forecasting, advanced utility-customer communication, computation, and control systems, energy-efficient environment, air pollution control, and environmental simulation and modeling. Prior joining Concordia University, Prof Akbari is the leader of the Heat Island group in the Lawrence Berkeley National Library (LBNL), Berkeley, USA. He had led LBNL's efforts to investigate the energy conservation potential and environmental impacts of increased tree planting and modifications of surface albedo. In addition, his research has identified the attributes of these energy efficiency strategies to mitigating the urban heat island effect.



Sheikh Ahmad Zaki bin Shaikh Salim is a senior lecturer in one of Malaysia renowned research university, Universiti Teknologi Malaysia (UTM). A graduate of UTM with Diploma, Degree and Master in Mechanical Engineering and a Doctor of Engineering in Energy and Environmental Engineering from Kyushu University, Japan, he is currently a coordinator of Wind Engineering for (Urban, Artificial, Man-made) Environment Laboratory, Malaysia-Japan International Institute of Technology, UTM. His credential spans in the area of urban climatology, urban heat islands, building environmental engineering, wind engineering, Computational Fluid Dynamic (CFD) and thermal comfort. He has published numbers of articles in these fields. He is a member of the International Association for Urban Climate (IAUC), International Building Performance Simulation Association (IBPSA), and American Society of Heating Refrigerating and Air-Conditioning Engineers (ASHRAE).



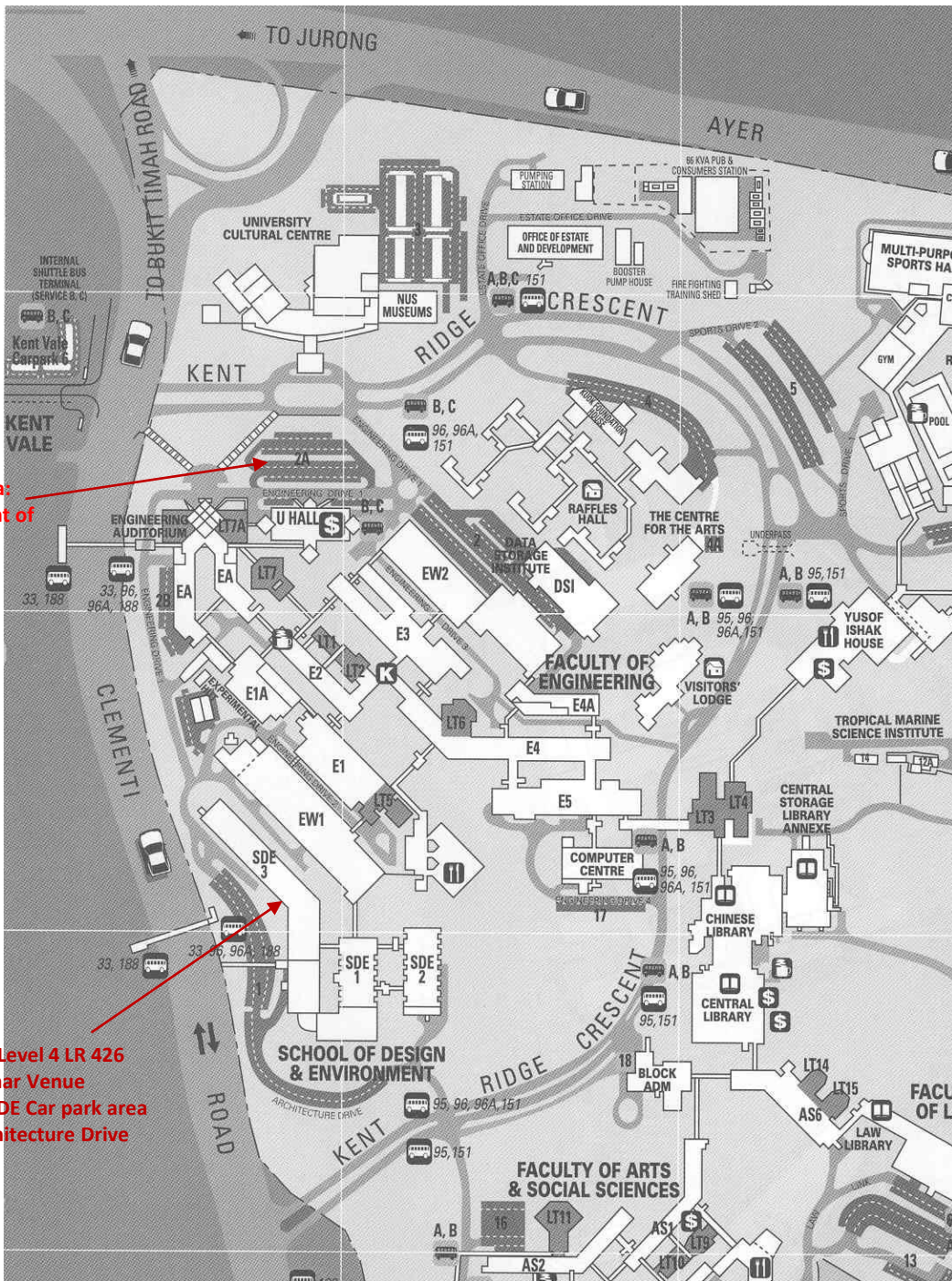
Professor Masayuki Ichinose is currently an Associate Professor in Graduate School of Urban Environmental Sciences, Department of Architecture and Building Engineering, Tokyo Metropolitan University, Japan. He obtained his PhD from Tokyo Metropolitan University in 2005 working in the area of parameter analysis of budget structure of solar spectral irradiance and thermal environment. Over the years, Prof Ichinose has worked in numerous projects both at the building level as well as at urban level. Some of the interesting projects include optimization of heat and light for façade and glazed buildings as well as mitigation of urban heat island effect in Japan.



After completing PhD in Architecture from the University of Queensland, Australia in 2006, **Pattaranan Takkanon** has been working for the Faculty of Architecture, Kasetsart University. Her areas of expertise are design for tropical environment, building materials and enclosure, thermal control as well as computer simulation for performance-based design. She has opportunities to apply special knowledge and emerging techniques to ensure the performance of design in many scales and areas of design including parts of a building, whole building, building cluster, and urban community. Her current research project focuses on developing green urban design guidelines to reduce Urban Heat Island (UHI) effect.

Since the Faculty of Architecture, Kasetsart University is the first and the leading school in Green Architecture in Thailand, she has a role in teaching, research, architectural practice, and green consultancy. She also voluntarily works for the Association of Siamese Architects (ASA), the Green Committee, in particular. She is currently the Deputy Dean for Academic Affairs at the Faculty of Architecture, Kasetsart University and the committee member of Thailand Green Building Institute (TGBI).

Location Map



Car park area:
CP2A [in front of
E3A]

SDE3 Level 4 LR 426
Seminar Venue
and SDE Car park area
4 Architecture Drive

BUSES

Along Clementi Road: Bus nos. 33, 96*, 188

Along Kent Ridge Crescent: Bus nos. 95, 96*, 151

(*Bus no. 96 may be boarded at Clementi Interchange, next to Clementi MRT station)

Campus map: <http://www.nus.edu.sg/campusmap/>