



SCEM NETWORKING SESSION

EVENT OVERVIEW

Building fresh air intake in Singapore has high levels of heat and humidity which the ACMV system must work towards removing moisture and cooling. Indoor air quality (IAQ) for buildings is an important area of operational focus next to indoor temperature to ensure that occupants are able to work in a clean and comfortable environment while ensuring sufficient levels of oxygen. This is an energy intensive process that must be optimised.

To further reduce the heat load on the ACMV system, the amount of heat infiltration via radiation through windows should be reduced as much as possible. Singapore sits along the equator and has a high level of heat infiltration into buildings. Energy efficiency will be improved the amount of heat is reduced entering the building via radiation or conduction.

EVENT OBJECTIVES

This seminar is to bring SCEMs together to network and to discuss the topic and to know more on IAQ and on the reduction of heat entry through radiation through windows.

SCEM-PDUs TO BE AWARDED

COMPLIMENTARY EVENT FOR SCEMs

21 JULY 2016

1:00PM - 6:00PM

Cleantech Seminar Room

1 Cleantech Loop, Cleantech One, Singapore 637141



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PROGRAMME OUTLINE

Session 1 by AtmosAir:

- Introduction to indoor air quality (IAQ)
- Things to look out for in IAQ
- How to improve your IAQ
- Case studies in IAQ

Session 2 by Keystone Material Innovation:

- Heat infiltration via windows
- Introduction to thermochroic films
- How thermochroic films work
- How does thermochroic films reduce load on ACMV system and improving indoor comfort
- Case studies

ABOUT THE SPEAKERS



Sam Michelle is currently the Executive Director at AtmosAir. Sam has studied Chinese in the U.S. and Taiwan and is the first non-Chinese graduate of Cheung Kong Graduate School of Business's Financial MBA program, a program taught in Mandarin.

Sam has extensive experience in the real estate sector with management experience in leasing and investment with multinationals covering industrial, commercial and retail. Examples of this experience was at Global Logistics Properties where he managed a portfolio of 700,000 m² of factories in Suzhou. At Value retail, Sam led the food and beverage leasing for Suzhou and Shanghai Villages, 32,000 m² and 50,000 m² shopping outlets respectively, in addition to being the local contact for the retail brands.

Sam's experience in the management of buildings of different sectors and indoor air quality (IAQ) places him in the right position to explain how IAQ plays a key role on both occupants and operational costs.



Dr Fan Shiliang (CEO, Keystone Materials Innovation) graduated from University of Montpellier II, France, with a Doctor Degree of Materials and Advance Organic Chemistry in 2006. He obtained his master degree from Singapore-MIT Alliance in 2003.

Dr Fan's research areas are in solar energy saving, air purification chemicals and equipments, new construction materials. A keen inventor, he has filed 10 patents in Singapore and China. He founded 3 companies to convert his technologies into projects. Currently his solar shielding coating, high efficient photocatalyst, industrial VOC absorption solution, formaldehyde removal agent are widely sold in China.

Dr Fan's company is now linked with Suning as an IAQ technology provider. His solar shielding coating technology has been licensed to a Chinese local functional film manufacturer. His customers include Foxconn, Xiamen C&D, Huawei, etc. His company was the IAQ service provider for the 2nd YOG in Nanjing, China.

Dr Fan has strong collaboration with research institutes, like MSE in NTU, Collaboration Center with Nanjing Technological University. He is also representing the Nanjing government to provide incubation support to new technologies, especially the start-up companies from Singapore. In 2017, a new Singapore Incubation Park will be launched in Gaochun, Nanjing.

WORKING PARTNERS:



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REGISTRATION FORM Yes! I would like to register for this programme I am unable to attend but please put me on your mailing list

PARTICIPANT'S DETAILS		Number of Delegates	Fees Payable
1	Name (Dr/Mr/Mrs/Ms)		Designation
	HP No	Email	SCEM <input type="text"/>
2	Name (Dr/Mr/Mrs/Ms)		Designation
	HP No	Email	SCEM <input type="text"/>
ORGANIZATION'S DETAILS			
Company Name			
Company Address			
Contact Name			Tel
Email			Fax