



A Digital Approach to Energy Efficient Labs

Seminar Overview

Laboratories are unique in terms of their usage and high energy consumption. Optimising energy efficiency in laboratories requires a much greater effort that has to be balanced with safety considerations. Laboratory controls are key to ensure safety and sustainable operations.

This seminar will cover lab design for energy efficiency along with best practices in operation and control. Using case studies of existing lab facilities, this seminar will uncover methodical approaches to ensure safe, smart and sustainable laboratories.

With a focus to digitalization and IOT (Internet of Things), sustainable laboratories are more manageable than ever.

Seminar Outcome

- Integrating demand approaches into lab design
- Strategic planning to reduce energy through control algorithms
- How to enhance the lab performance during operation
- Cultivate “Good practices” in HVAC and lab design
- Understanding the guidelines to Greenmark for Labs
- Successful Singapore Labs case studies sharing

6 SC EM Points awarded
6 PE Points awarded
2 SIA CPD Points awarded

31 August 2018

9am - 6pm

Singapore Sustainability Academy

180 Raffles Place Level 6 Sky Park, #06-10

City Square Mall Singapore 208539

A Digital Approach to Energy Efficient Labs

Seminar Outline

- 09:00am Registration & Morning Refreshment
- 09:30am Welcome Remarks by Ms Kavita Gandhi (SEAS) & Mr Vincent Meyer (S2Lab)
- 10:00am Mr Leow Yock Keng (Building and Construction Authority) - BCA Green Mark for Labs
- 10:30am National University Singapore / Nanyang Technology University - Case Study
- 11:00am Mr Franco Atassi (Siemens) – Sustainable Laboratories Enhanced by the Power of Data
- 12:00pm Lunch
- 1:00pm Technological Showcase (Siemens Lab Cockpit, Virtual Reality Lab Kit and Integrated Fume Hood Control)
- 2:00pm Mr Gordon Sharp (Aircuity, Inc) – Making Laboratories Smarter to Maintain their Energy Efficiency Entitlement
- 3:00pm Tea Break & Technological Showcase
- 3:30pm Mr Ben Henson (Beca Carter Hollings & Ferner Pte Ltd) – Integrated & Modular Laboratory Design
- 4:30pm Dr Victor Wong (Agency for Science, Technology and Research) – Case Study
- 5:00pm Networking

Mr Vincent Meyer



S2Lab Chairman

Mr Leow Yock Keng



Senior Manager, BCA

Mr Franco Atassi



Global Head - Life Science Solutions Siemens

Mr Gordon Sharp



Chairman, Aircuity, Inc

Mr Ben Henson



Operations Manager, Beca Carter

Rates

Normal	Group
SEAS Member: \$180.00	3 participants and above \$220.00
Non-Member: \$250.00	

Fees are inclusive of GST
 SEAS may cancel or reschedule a course at its discretion and will use reasonable efforts to notify delegates at least 5 working days in advance. In these circumstances, delegates will be offered an alternative date, an alternative location or a full refund of course fees paid. SEAS is not responsible for airline or accommodation costs incurred by delegate in the event a course is cancelled or re-scheduled.
 Substitutions (name changes) are accepted at any time prior to the event without penalty, subject to the replacement delegate satisfying any necessary course pre-requisites.

Call us at +65 6338 8578 to enquire

Email: training@seas.org.sg

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

1	Name (Dr/Mr/Ms/Mrs) Hp	Designation Email
Participant's Details		
2	Name (Dr/Mr/Ms/Mrs) Hp	Designation Email
Billing Information		
Company Name Company Address Tel		Contact Name Email