

03 SEPT 2015 | 9:00AM – 5:00PM | MARINA BAY SANDS



SUSTAINABLE LABORATORIES FORUM 2015

FORUM OVERVIEW

The Sustainable Laboratories Forum is organised by the Energy Research Institute at Nanyang Technological University (ERI@N) together with the Sustainable Energy Association of Singapore (SEAS) and supported by Singapore's National Environment Agency (NEA) and International Institute for Sustainable Laboratories (I²SL) in the US. It will be co-located with the International Green Building Conference (IGBC) 2015 which expects to attract more than 1000 participants from over 30 countries.

**PDU_s AWARDED BY
PROFESSIONAL ENGINEERS
BOARD, SINGAPORE**

OBJECTIVES

At the end of the forum, participants will:

- Understand the scope of opportunities and benefits of sustainable laboratory development.
- Learn from real case studies and best practices
- Network with local and international experts in the field and pioneers

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The Sustainable Laboratories Programmes

The Sustainable Laboratories Forum

03 SEPT 2015 | 9:00AM – 5:00PM |
SANDS EXPO & CONVENTION CENTRE, MARINA BAY SANDS, L3

Continuing the momentum of Singapore Sustainable Laboratories Conference 2014, the Sustainable Laboratories Forum 2015 will again bring together like-minded stakeholders to discuss and share knowledge on topics specific to safe and energy efficient laboratories and high tech facilities.

Co-located this year with the International Green Building Conference (IGBC), the Sustainable Laboratories Forum will provide a bigger platform for collaboration and networking for participants.

Target Audience

Architects, Engineers, Consultants, Laboratory owners/ developers, Facility managers, Technology providers, Government policy makers, Researchers, Relevant stakeholders (for sustainable laboratories and facilities)

Opening Plenary Session

- Welcome remarks
- Update from 2014: Continued Efforts to Promote Laboratory Sustainability in Singapore by *Nilesh*
- Plenary Talk: "Energy Efficient HVAC Design for Laboratories in Hot and Humid Environments" by *Dan Doyle, P.E., Board of Director, I2SL*

Designing, Building and Operating Sustainable Laboratories

- Certification and Standards Development by *BCA*
- Making Buildings Smarter to Maintain their Energy Efficiency Entitlement by *Gordon Sharp*
- Risk Assessment in Energy Efficient Laboratories by *NTU*
- Sub-metering in Energy Intensive Facilities by *Daniel Ong*
- Panel Discussion: Challenges Implementing Sustainable Laboratories Design and Operation in Singapore
- Case Study: Operating and Maintaining Energy Efficient Laboratories by *Derrick Tan*

Technology Snapshots

- Snapshot of Cutting-edge Technologies for Sustainable Laboratories:
 - Liquid Desiccant Air Conditioning for Laboratories
 - New Generation Refrigeration Technologies
 - Lab Exhaust System Optimization
- Closing Panel Discussion

SPEAKERS



Dan Doyle
Chairman,
Grumman/Butkus Associates



Gordon Sharp
Chairman,
Aircuity



Derrick Tan
Founder & Managing Consultant
1st Phase Operations



Daniel Ong
Vice President, Engineering & Operations
Green Concepts Pte Ltd

ABOUT IGBC

Organised by the Building and Construction Authority of Singapore and into its seventh run from 31 Aug – 6 Sept 2015, the Singapore Green Building Week (SGBW) will play host to international green building experts, policy-makers, academics, built environment practitioners, tenants and end-users, including members of the public and students, for a congregation of ideas, collaboration, partnership and learning, to achieve a shared vision of a greener planet through the green building movement.

Participants of Sustainable Laboratories Forum will be offered IGBC registration code to purchase special IGBC pass at SGD\$600 which comprises of

- 1 day pre-IGBC pass on 1 Sept
- 3 days conference and workshops pass from 2 to 4 Sept
- Meals, unless otherwise stated

For more details about IGBC and SGBW as well as registering for IGBC with the IGBC registration code, please visit www.sgbw.com.sg.

PROGRAMME FEES

	√ to register	Early Bird (Before 20 July)	Normal Fee
Forum (3 Sept at MBS)		SGD\$300 (SEAS Member)	SGD\$400 (SEAS Member)
		SGD\$400 (Non-Member)	SGD\$500 (Non-Member)
*IGBC (Tours are not included)		SGD\$600 (Usual price: SGD\$1,000)	

*** Applicable to participants of Sustainable Laboratories Forum ONLY**

** Fees are subjected to 7% GST

** Payment for forum and workshop: Crossed cheque payable to - Sustainable Energy Association of Singapore

Mailing address: 9 Penang Road #08-02 Park Mall Singapore 238459

** Payment for IGBC: Pay online upon registration

REGISTRATION FORM			
<input type="checkbox"/> Yes! I would like to register for this programme		<input type="checkbox"/> I am unable to attend but please put me on our mailing list	
PARTICIPANT'S DETAILS		Number of Delegates	Fees Payable
1	Name (Dr/Mr/Mrs/Ms)	NRIC / Passport	Designation
	Mobile No	Email	PEB No
2	Name (Dr/Mr/Mrs/Ms)	NRIC / Passport	Designation
	Mobile No	Email	PEB No
ORGANISATION'S DETAILS			
Company Name			
Company Address			
Contact Person		Designation	Contact No
Email			Fax No



Singapore Sustainable Laboratories Group

A committee under the Sustainable Energy Association of Singapore, partnered with the Energy Research Institute @ NTU.

How to join?

Join us as a member of SEAS and indicate on your form that you'd like to be a part of the Sustainable Laboratories group. Visit www.seas.org.sg/membership/joinseas

Benefits:

- Knowledge exchange and discussion on topics relevant to sustainable laboratories and high-tech facilities in tropical climates through regular meetings and newsletters
- Networking opportunities with local and international industry experts
- Stay connected on Singapore specific and regional topics through dialogues with government agencies
- Complimentary access to other SEAS committee meetings and member only events. Other SEAS committees include: Clean Energy, Energy Efficiency, Sustainable Mobility
- Get connected to government finance assistance schemes and private financing
- Full and Affiliate members only: Complimentary display and management of your company name, logo and profile on the Singapore Sustainable Energy Directory

Contact Us

Phone:63379886

Email:info@seas.org.sg

Web:seas.org.sg/about-seas/our-committees/sustainablelaboratories

Main Organisers

Singapore Sustainable Laboratory Group (S2Lab)



Supporting Partners



Energy Research Institute @ NTU

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