



INTEGRATING A CULTURE OF SAFETY & SUSTAINABILITY IN LABORATORY DESIGN & OPERATIONS

COURSE OVERVIEW

Laboratories consume 4 to 10 times more energy and resources when compared with office spaces. Safety is also a top priority and there numerous opportunities to enhance energy efficiency and sustainability in laboratories without compromising safety. Along with sustainable design aspects, the safe and efficient operations of laboratories require a holistic approach that includes the lab users and operators.

COURSE OBJECTIVES

Through this seminar, attendees will learn how to:

- How to conserve on energy and utilities in labs
- Reduction in use and generation of hazardous materials
- Increase in reuse and recycling materials
- Practice of green chemistry and engineering
- Enhancement to safety in laboratory
- Developing and implementing a recognition program to enhance laboratory sustainability

TARGET AUDIENCE

PMEs (i.e. Facility Managers, Academics, M&E consultants & Researchers) who are currently employed in Construction, Real Estate Management & Maintenance and Laboratories industries, and whose work focuses on design, installation, test, commission, inspection and maintenance of laboratory systems.

**PDU's AWARDED FOR
SCEM & PROFESSIONAL
ENGINEERS.**

**APPLICABLE FOR
PRODUCTIVITY AND
INNOVATION CREDIT (PIC)
VISIT IRAS.GOV.SG FOR
MORE INFORMATION.**

10 DECEMBER 2015

9:00AM - 5:00PM

SEAS Training Centre
9 Penang Road, #08-02 Park Mall, Singapore 238459



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PROGRAMME OUTLINE

The University of Michigan has implemented the Sustainability Laboratory Recognition program and the Green Chemistry and Waste Reduction program. These programmes have achieved energy and cost savings and a safer working condition for laboratory users. This course will cover a detailed account of the programme as well as other aspects.

Session 1:

Sustainable Initiatives at University of Michigan

Session 2:

Safety in the Laboratories: How University of Michigan Established and Practicing?

Session 3:

Achievements and Sustainable Laboratory Recognition Program at the University of Michigan

RATES

EARLY BIRD (before 16 November)	NORMAL FEE	GROUP FEE
S\$250.00 (SEAS Member)	S\$350.00 (SEAS Member)	S\$300.00 (4+ delegates from 1 organization)
S\$350.00 (Non Member)	S\$500.00 (Non Member)	

* **Important:** Walk-in delegates will only be admitted on the basis of space availability and with full payment made on site.

* **Fees inclusive of GST**

* **Payment to SEAS & Address:** Please send a crossed cheque to:
Sustainable Energy Association of Singapore

9 Penang Road, #08-02 Park Mall, Singapore 238459

ABOUT THE TRAINER



Dr. Sudhakar Reddy obtained his Ph.D. in Analytical Chemistry in 1980 from National Chemical Lab, India and migrated to USA as a NASA Post-doctoral Fellow. His research produced many publications on the kinetics of amino acid racemization. He also performed some research in developing analytical methods to measure cancer treating drugs in body fluids by chromatography.

After holding various positions in private companies he joined the University of Michigan in 1994. Dr. Reddy has developed many green methods in analytical chemistry to measure target chemicals. Based on a green method developed by Dr. Reddy's group, Dionex has re-designed their Accelerated Solvent Extractor to measure PCBs in air. As the Sustainability Coordinator he has developed several programs to benefit the University of Michigan community.

Sustainable Lab Certification Program is one among them that received great attention across the campus and also in the state of Michigan. He received Governor Award in 2013, I²SL Go Beyond Award in 2014 and S-Lab Award in 2015. His passion is to green lab operations through sustainability and behavioral change. Dr. Reddy is currently sitting on many professional and charitable boards and committees including Governor appointed Michigan Green Chemistry Round Table. He has published about 30 papers, conducted seminars and workshops, moderated sessions at the national and international conferences. Dr. Reddy delivered many invited lectures on varied topics related to Lab Safety and Sustainability.

CALL US AT 6337 9886 TO ENQUIRE

REGISTRATION FORM

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