



Symposium

26 JULY 2017 | IIT BOMBAY

“SCIENCE AND ENGINEERING
FOR SUSTAINABLE DEVELOPMENT”

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One Day Symposium on

“Science and Engineering for Sustainable Development”

26 July 2017 | IIT Bombay

Sustainability has emerged as the key necessary attribute of future development. Doing well while doing good is the foundation of sustainability. Doing well in economic activity (profit) is the starting point for developing capability of being able to do good to the planet and people. Being greedy about profit, ignoring planet and people is not sustainable. It is very important that while leveraging natural resources for economic growth, enhancing access to energy and increasing prosperity for alleviating poverty, we need to be respectful and responsive to preserve the nature and natural setting to be sustainable. It is also important to draw resources from the nature in accordance with the principle of nature and natural setting. Sustainable development requires striking a balance between resource exploitation and conservation. This balance would differ on the basis of geography, society, resource type, industry, as well as the type and size of business. The emerging field of Sustainability Science and Engineering is responding to this challenge.

To help the key stakeholder's of society reflect on this topic, Indian Institute of Technology Bombay (IITB), The Ohio State University (OSU), and Techstain Technologies are starting a joint one day symposium titled “Science and Engineering of Sustainable Development” to be organized on an annual basis. The inaugural symposium will be held on **26th July, 2017 at IIT Bombay** with focus area of “**Sustainability of Earth and Water Resources from Ecological Perspective**”.

The daylong symposium will focus on identifying the cross-linkages between the concepts and practice of sustainable engineering. It will bring together thought leaders and practitioners across multiple sectors to deliberate upon the critical challenges facing India's sustainable development and brainstorm about the direction needed for exploring potential solutions.

This will be achieved through talks and presentations given by industry experts invited from various domains such as environmental engineering, chemical engineering, agriculture, green chemistry, and water resource studies, as well as representatives from prominent NGOs and regulatory bodies. The symposium will also include a panel discussion to deliberate on the challenges and potential solutions for industries in practicing sustainability.

Broad Objectives

1. To create awareness and necessary linkages for bringing sustainability and resiliency studies from periphery to centre of all engineering R&D initiatives.
2. To provide a platform for sustainable thinkers from corporate, academia, Government and NGOs for framing relevant and implementable policies for a clean environment.
3. To evolve sustainability governance framework at the global level with special attention to the emerging economies like India.
4. To identify key research projects those need to be incubated.
5. To build and maintain linkages between academic research, immediate industry needs, corporate governance tools and governmental planning to support such initiatives.

Who may benefit

This symposium will be of interest to leaders and practitioners in industry, government, academia and anyone wishing to contribute to the nation's sustainable development.

About Organizers



IIT Bombay (IITB), apart from being one of the top most technology institutions in India, is fast emerging as a centre of excellence for research work in the area the area of sustainable technologies.



The Ohio State University, one of United States' largest Universities, is known for pioneering work on Sustainable and Resilient Economy studies.



Techstain Technologies is an early stage start-up floated by IITB alumni which is completely focussed on sustainability based application of technologies. The company is committed to develop and disseminate cutting edge sustainable technologies by collaborating with academia, governments and NGOs.

Organizers and hosts

Dr. Biplab Pattanaik
Techstain Technologies, Mumbai , INDIA

Prof. Yogendra Shastri
IIT Bombay, Mumbai, INDIA

Prof. Bhavik Bakshi
The Ohio State University, Columbus, Ohio, USA

REGISTRATION FORM

One Day Symposium on “SCIENCE AND ENGINEERING FOR SUSTAINABLE DEVELOPMENT”



NAME (BLOCK LETTERS): *First Name* *Middle Name* *Family Name* **GENDER:** *M / F*

DESIGNATION: *Name of the organization you represent*

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BANK NAME: ICICI Bank; BRANCH: NARIMAN BHAVAN, MUMBAI

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Registration fee

- Rs. 5,000/- for industry participants &
- Rs. 3,000/- for participants from academic and non-profit institutions and students

The registration procedure will be announced soon at www.techstain.in

Contact details

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