



Gujarat Technological University

CENTRE FOR ENVIRONMENTAL & GREEN TECHNOLOGIES

AND

INDO – GERMAN STUDY CENTRE

organize

One Day Seminar on **Sustainable Energy**

Date: 20/11/2013

GTU Chandkheda Campus

A Cordial Invitation

GTU's Centre for Environment and Green Technology and Indo - German Study Centre organize a one day seminar on "Sustainable Energy" on 20th November 2013 at GTU Chandkheda Campus.

The Theme:

Sustainability is the capacity to endure. Sustainable energy is, therefore, the sustainable provision of the energy that meets the need of the present generation without compromising the need of the future generations.

India is largely energy deficit with a 9 to 11 % demand-supply gap leaving 300 million people in darkness today. The demand of energy is increasing by leaps and bounds due to rapid industrialization and tremendous population growth. There is a risk as the conventional sources may reach to extinct soon. The conventional sources also cause pollution and deteriorate the quality of the environment.

Thus, the issue of the energy security haunts power sector of India. India has to depend upon renewable energy sources such as solar energy, wind energy, geo-thermal energy, bio energy, wave power and tidal power. The excessive use of fossil fuel requires to be avoided by harnessing the alternative energy sources. Technologies designed to improve energy efficiency are all known as sustainable energy.

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Further the global warming manifestation also is forcing the global community to initiate actions for sustainable energy. Sustainable energy is therefore called as 'Energy of the Era of Today and Tomorrow'. The power sector of India, therefore, deserves special concern to sustain the energy and prevent depletion of natural resources.

The economic growth of any country is highly dependent upon its energy sector. India realized the importance of non-conventional energy sources and Government of India has initiated actions from March, 1981 by establishing Commission of Additional Source of Energy (CASE) in the department of Science and Technology. In 1982, CASE was incorporated into new department designated as Department of Non-conventional Energy Sources (DNES) under the Ministry of Energy.

In 1987, Indian Renewable Energy Development Agencies (IRDA) Ltd. was established with a basic purpose of promoting the non-conventional sources in India. The DNES in the year 1992 was given an independent status as Ministry of Non-conventional Energy Sources. Recently in the year 2006, the MNES has been committed as full fledged ministry for developing new and renewable energy sources and has been redesigned as Ministry of New and Renewable Energy with a purpose of developing and deploying new and renewable energy for supplementing the energy requirements of the country.

In order to create a talent pool of energy professionals, it is proposed by the Gujarat Technological University to organize a seminar whereby the experts get platform for sharing the knowledge on sustainable energy and conservation of conventional energy sources.

Speakers of the Seminar:

1. **Shri Deepak Gadhia:** MS Environmental Engineering (Berlin, Germany), Director, MSA Renewtech Foundation
2. **Shri Rajnikant Patel:** P.E., MS in Mechanical Engineering – USA, MBA – USA, Advisor – Research and Consultancy Services Cell, GTU
3. **Shri V. K. Desai:** B.E. Mechanical, LLB, Founder of Tiny Tech Plants and Aadhunik Global Energy - Rajkot
4. **Wing Commander (Retd.) Shri Chandranshu Pandya:** Honorary Director of Center for Environmental and Green Technologies

Who should attend?

- Research Scholars
- Academicians from schools and colleges especially Faculty members of Mechanical, Civil and Electrical Engineering, etc.
- Industrial professionals

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Call for Paper Presentation

The Interested participants are invited to present paper/article on the given theme.

→ Submission of Papers/Articles:

1. The Paper/Article should be sent by email to **research.gbs@gtu.edu.in** with cc to **siem.director@gmail.com**
2. **The participants presenting papers must submit the same in advance by 18/11/2013 | 4.00 PM**
3. Research paper/article should be submitted in IEEE format and number of pages should not exceed 10.

Registration Details:

All the participants are requested to register themselves **as on before 19/11/2013, 4.00 PM** by the link given below.

<https://docs.google.com/a/gtu.edu.in/forms/d/1Uh9GECpRA2Um5d5azvj0LuDt1kkfk81uUZ1WcgWsB6Q/viewform>

Important features:

- **No registration fees** for the participants.
- No travelling expense will be paid to the participants.
- At the end of the day, certificates for participation will be issued to the participants.
- Each participants of Session- IV Research paper/Article presentation will be issued separate certificate of presentation.
- Maximum number of participants is limited to 150.
- Registration is on the basis of first come first served and the list of the participants will be displayed on 19th instant evening by 6.30 pm on GTU website.

Organizing Committee:

- Prof. Dr. K. N. Sheth, Dean, GTU (siem.director@gmail.com)
- Mr. Keyur Darji (research.gbs@gtu.edu.in) (Ph: 07923267525)
- Dr. Kaushal Bhatt (AP1_CGBS@gtu.edu.in) (Ph: 07923267590)
- Dr. Sarika Shrivastava (AP2_CGBS@gtu.edu.in) (Ph: 07923267585)
- Ms. Neha Mehta (siem.pstodirector@gmail.com) (Ph: 9662505149)

Thank You.

Enc.: Schedule of the program.

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Schedule of Program:

20 th November, 2013	
Inaugural Session	
Timings	Events
09.00 AM to 09.30 AM	Registration with Tea and Snacks
09.30 AM to 09.40 AM	Felicitation of Guests and Saraswati Vandana
09.40 AM to 10.00 AM	Welcome address by Prof. Dr. K. N. Sheth, Dean-GTU
10.00 AM to 10.20 AM	Address by Dr. Akshai Aggarwal, Vice Chancellor, GTU
10.20 AM to 11.30 AM	Keynote speech by Shri Deepak Gadhia
11.15 AM to 11.30 AM	Tea break
Technical Session: I	
11.30 AM to 12.15 PM	Issues and challenges in Sustainable Energy by Shri Rajnikant Patel
12.15 PM to 01.15 PM	Lunch
Technical Session: II	
01.15 PM to 01.30 PM	Demonstration on as how to make solar cooker by Shri. V. K. Desai
01.30 PM to 02.45 PM	Creating "Happy India" through Swadeshi energy industries
02.45 PM to 03.00 PM	Tea break
Technical Session: III	
03.00 PM to 04.00 PM	Wind Energy: by (Retd) Wing Cimmmander Shri C. G. Pandya
Technical Session: IV	
04.00 PM to 05.00 PM	Research Paper/Article presentation
05.00 PM to 05.15 PM	Valedictory function followed by Certificate distribution

Venue:

Conference Hall (B - 0),

GTU Chandkheda Campus, Ahmedabad.

Nr. Vishwakarma Government Engineering College

Nr. Visat Three Roads, Visat - Gandhinagar Highway

Chandkheda, Ahmedabad – 382424 - Gujarat