



GUJARAT TECHNOLOGICAL UNIVERSITY

(Established under Gujarat Act No. 20 of 2007)

GRADUATE SCHOOL OF SMART CITIES DEVELOPMENT

organises

Expert talk on

“CLIMATE CHANGE & SUSTAINABLE ENERGY”

Date : 15th December, 2016

Time: 9:30 to 11:30 AM

Venue:

**A-2 Conference Hall, Second Floor, A-Wing, Gujarat Technological University,
Nr. Vishwakarma Government Engineering College, Nr. Visat Three Roads,
Visat-Gandhinagar Highway, Chandkheda, Ahmedabad**

Experts: Nobel Laureate Dr. Jayant Sathaye & Dr. T Harinarayana

Online Registration

Interested participants may register online at following link:

<https://goo.gl/L1RR2x>

About GTU GSSCD:

Gujarat Technological University (GTU) is the largest government university in Gujarat, catering to the fields of Engineering, Business Management, Computer Science, Pharmacy and Architecture. GTU has initiated a number of innovative policies and it has put in place systems to develop GTU into a great university. Today GTU is considered to be the benchmark among the technological universities of India.

GTU has set up the Graduate School of Smart Cities Development (GSSCD) so as to create a resource centre for the nation which understands the requirement of the cities and citizens and helps in the smart development by producing required human resource, relevant research and by encouraging and welcoming projects in smart technologies in its incubator space. The Graduate School will contribute by imparting education, related to smart cities development. The Graduate School will also be involved in the research, consultancy and capacity building activities to support the governments at all levels.

The Graduate School seeks to involve industries and the society to ensure that its studies and research have a relevance to the needs of the society and the industries.

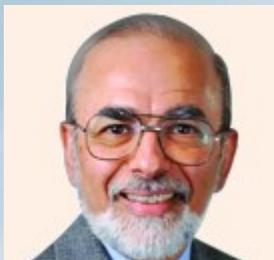
Climate Change Phenomenon:

Climate change is the long-term change in average weather conditions, including temperature, precipitation and wind. 2016 is shaping up as the hottest year on record. The first six months of the year were the hottest since records began in 1880, while the Arctic has seen record low sea ice levels. As a result of the growing impacts of climate change, millions of people experiencing higher temperatures and extreme weather events such as droughts, heat waves, floods and storm surges, putting food and water security at risk, and threatening agricultural supply chains and many coastal cities.

Climate Change is a phenomena which is now affecting all countries of the world. The Paris Agreement which entered in to force on Nov 04, 2016, aims to keep a global temperature rise this century below 2 degrees Celsius above pre-industrial levels and to pursue efforts to limit the temperature increase even further to 1.5 degrees Celsius.

Climate Change mitigation is also one of the goals in the Sustainable Development Goals of United Nations. The aim of this lecture is not only to create awareness amongst young generation about the climate change but also it is an attempt to put young minds at work to innovate for the climate change mitigation.

About The Speakers



Dr. Jayant Sathaye

Dr. Jayant Sathaye was Senior Scientist and Strategic Advisor and Founder of the International Energy Studies Group at the Law-

rence Berkeley National Laboratory where he had worked since 1974. He was an Adjunct Professor at the University of San Francisco and Stanford University and is currently a Visiting Professor at University of California, Berkeley. Dr. Sathaye holds a Ph.D. degree from University of California, Irvine, and a B.Tech. (Hons.) Mechanical Engineering degree from IIT Bombay. He also received a Distinguished Alumnus Award from IIT Bombay in 2011.

Dr. Sathaye is a globally recognized scientist in the field of climate change, land-use and forestry and energy sector in developing countries. He contributed to the reports of the IPCC (Intergovernmental Panel on Climate Change), which was awarded the Nobel Peace Prize in 2007. He has been a Convening Lead Author, Section Leader and Principal Lead Author of eleven publications of the IPCC since 1990. He was the Review Editor of the Fifth Assessment Report for the Chapter on Sustainable Development.

Dr. Sathaye's current interests focuses on research, modelling and policy analysis of climate change mitigation, energy efficiency standards, building energy use including cool roofs, power and forest sector analysis, and development of global and country-specific models for the evaluation of costs and climate mitigation potential options in California, US, India, China, Brazil and 50 other major developing countries.



Dr. T. Harinarayana

Dr. T. Harinarayana is the Director of the Gujarat Energy Research and Management Institute, Research Innovation and Incubation

Centre, Gandhinagar, Gujarat. He also holds the position of an Independent Director, Gujarat State Petroleum Corporation Limited. He served earlier as Dy. Director (Sct. G) at the National Geophysical Research Institute, Hyderabad for more than three decades. He is a leading scientist, well recognized for his excellence in deep EM Technique- Magnetotellurics among the national and international scientists.

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Prof. T. Harinarayana holds two doctoral degrees in the field of Electromagnetics-one from Edinburgh University, UK & the other from Indian School of Mines, Dhanbad. His academic and research excellence created opportunities for him to serve as a visiting professor and scientist at the University of Tokyo, Japan and the University of Texas at Austin, USA respectively. He has also organized and chaired a large number of conference / seminars and technical sessions.

Dr. T. Harinarayana is a member of the Russian Academy of Natural Sciences, Moscow. He has received the National Mineral Award-1991, the Andhra Pradesh Scientist Award-2008. While serving as Scientist and Head of the magnetotelluric Division, NGRI, Hyderabad he became a fellow and a member of national (IGU, AEG, APAS etc.) and international (IAGA, EMSEV etc.) scientific societies, academic forums and editorial boards of various techno-scientific journals of global importance.

Tentative Schedule:

Time	Details
09:15 to 9:45	Registration & Breakfast
09:45 to 09:50	Welcome Address
09:50 to 10:00	Context Setting
10:00 to 10:45	Talk on “Climate Change” by Dr. Jayant Sathaye
10:45 to 10:55	Question Answer Session
10:55 to 11:15	Talk on “Sustainable Energy” by Dr. T. Harinaranaya
11:10 to 11:20	Question Answer Session
11:20 to 11:30	Vote of Thanks



Patron:

Dr. Rajul K.Gajjar, I/C Vice-Chancellor, GTU

Convener:

Dr. J. C. Lilani, I/C Registrar, GTU

Co-Ordinators:

Mr. Vimal Sharma, Research Associate, GTU

Mr. Margam Suthar, Assistant Professor, GTU

Mr. Vikrant Vala, Research Associate, GTU

Ms Nidhi Patel, Research Assistant, GTU

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