

University of Mumbai & Department of Atomic Energy  
**CENTRE for EXCELLENCE IN BASIC SCIENCES**

**Accelerating Universes in String Theory and  
Einstein's Dream**

**By Prof. Sandip Trivedi**  
**Tata Institute of Fundamental Research**

Dramatic advances in observational cosmology have taught us that the universe is accelerating. This discovery has far reaching consequences. Quiet recently we have understood that such an accelerating universe can arise in string theory - a framework that attempts to provide an understanding of gravity based on quantum mechanics. The picture which emerges is that of a complicated landscape with many different possibilities for the acceleration and the others constants of nature. What do these developments mean for our quest for unification? And for the fulfillment of Einstein's dream? These are some of the questions that will be discussed in the colloquium.

**Tuesday, 31<sup>st</sup> August 2010 at 4.30 p.m.**  
Seminar Room PF AG-114  
Near Annabhau Sathe Bhavan  
University of Mumbai  
Vidyanagari Campus, Kalina

Prof. Sandip Trivedi is associated with the Tata Institute of Fundamental Research. He obtained his M.Sc. (Integrated) from IIT, Kanpur, and Ph.D. from California Institute of Technology, Pasadena. He is a recipient of Swarnajayanti Fellowship and the Shanti Swarup Bhatnagar Award in Physical Sciences

Tuesday Colloquium organized by

