



ICTS COLLOQUIUM

- Title : ASTROSAT: India's first multiwave length astronomy satellite
- Speaker : P. Sreekumar, ISRO Satellite Centre, Bangalore, India
- Date : Wednesday, July 3, 2013
- Time : 4:00 p.m.
- Venue : ICTS Lecture Hall, IISc Campus, Bangalore
- Abstract : ASTROSAT, India's first dedicated astronomy satellite is scheduled for launch in mid-2014. This space observatory is designed to observe the sky from optical to hard X-rays using 5 different instruments on board. The Ultra-violet Imaging Telescope (UVIT) is designed to provide the highest angular resolution images to date in FUV and NUV. Along with the broadband coverage in soft and hard X-rays, this observatory provides a unique capability to simultaneously monitor astrophysical sources that exhibit strong variability in time and spectral distribution. Absence of such simultaneous observational data has so far limited our ability to understand the relative interplay of multiple physical processes involved in acceleration of particles in galactic and extragalactic sources. I will discuss the status of the project, lessons learned in realisation of the experiments and expected science from ASTROSAT

(This colloquium is part of the ICTS Program on Numerical Relativity and the ICTS-IISc Joint Program)