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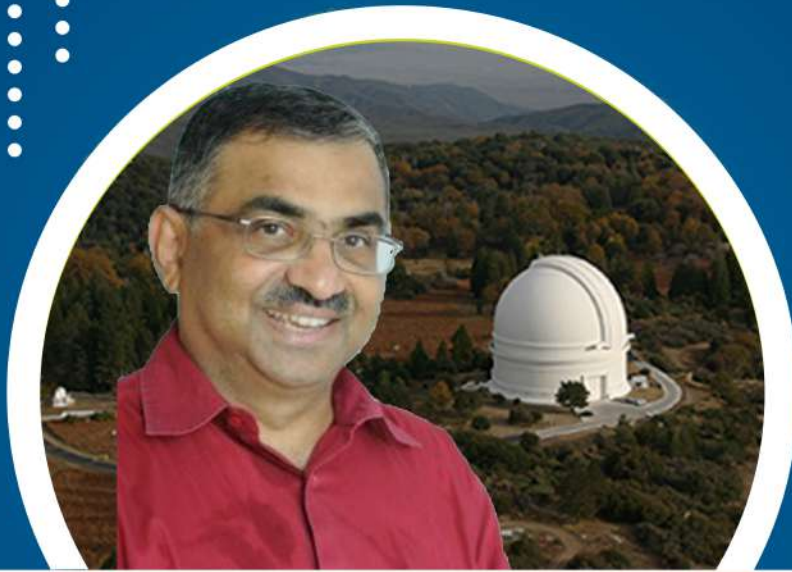
The Zwicky Transient Facility: Concepts to Results The Automated Discovery of the Universe

SPEAKER:

Prof. Shrinivas R. Kulkarni

George Hale Professor of Astronomy
and Planetary Sciences

California Institute of Technology,
Pasadena, California, USA



The Zwicky Transient Facility (ZTF) is at present undertaking an ambitious survey of the dynamic optical night sky. It searches systemically for exploding stars, burping quasars, variable stars and moving objects. ZTF is considered to be the pre-cursor of the Rubin Observatory's Legacy Survey of Space & Time (LSST), the flagship enterprise of the US astronomical community. The speaker will walk through the engineering innovations and computer science tools that went into ZTF.

Professor Shrinivas R. Kulkarni, FRS, is the George Hale Professor of Astronomy and Planetary Sciences at California Institute of Technology (Caltech). He was the Director of Caltech Optical Observatories (2006-18). He is the Chair, Physical Science Panel, Infosys Science Foundation. He is a Fellow of American Society of Arts & Science, the Royal Society of London, US National Academy of Sciences, Indian Academy of Sciences and the Royal Netherlands Academy of Arts and Sciences. He is the JRD Tata Chair Professor at TIFR, Mumbai. Professor Kulkarni was born in Kurundwad, Maharashtra and grew up in Hubballi, dist. dhArwAD places not far from us.

Day & Date: Thursday, 18th January, 2024

Time: 2:00 pm to 3:00 pm

Venue: F300, CLT

Hosted By: Department of Physics, Indian Institute of Technology dhArwAD

Attendees are requested to occupy seats by 1:55 pm.