

ICTS - Physics Colloquium

- Title** : Our Place in the Universe
- Speaker** : Tarun Souradeep, IISER-Pune
- Date** : Monday, November 11, 2019
- Time** : 3:30 PM
- Venue** : Emmy Noether Seminar Room, ICTS Campus, Bangalore
- Abstract** : From the vantage point of a tiny speck of cosmic dust, Earth, humanity has made commendably robust deductions about our place in the universe. We have also started discovering similar potential habitats of intelligence that may be doing so. Over the past decade and half, it has been becoming increasingly clear that cosmological observations are homing on to a concordance model of the Universe — something that can even be referred to as a standard model of Cosmology. The precision of the ESA Planck measurements of the Cosmic Microwave Background (with its final data release in 2018), now set up the stage for heralding an observational verification of the Standard model of cosmology. Presumably, that would be one of the reasons, the Nobel prize committee decided to award Jim Peebles for first proposing the essential elements of the current standard model of cosmology. My talk reviews this amazing story of human intellect behind this road of discoveries.