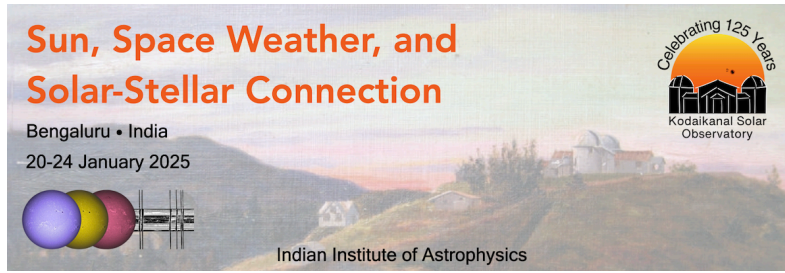


Sun, Space Weather, and Solar-Stellar Connection



Contribution ID: 211

Type: **Invited talk**

Aditya-L1: An Observatory Class Mission for Solar and Heliospheric Observations

Tuesday, January 21, 2025 5:15 PM (20 minutes)

Aditya-L1, is an observatory class mission to study the solar dynamics and its influence in the inner heliosphere especially at the first Sun-Earth Lagrangian (L1) point. Aditya-L1 conceived with four remote sensing and three in-situ payloads. The remote sensing payloads carry out observations of the source regions of the dynamical events while the in-situ payloads observe the events at L1. Remote sensing payloads observe the photosphere, chromosphere, and coronal regions of the solar atmosphere. The in-situ payloads cover the electrons, protons, heavier ions along with vector magnetic field at L1. Aditya-L1 have certain unique capabilities which allow them to carryout observations which are complementary to the other space observatories. In this presentation, Aditya-L1 capabilities will be brought out.

Contribution Type

Invited talk

Theme

Connecting Solar Corona to Heliosphere

Primary author: KASIVISWANATHAN, Sankarasubramanian (U R Rao Satellite Centre, Indian Space Research Organization)

Presenter: KASIVISWANATHAN, Sankarasubramanian (U R Rao Satellite Centre, Indian Space Research Organization)

Session Classification: Instruments/Facilities and Science: New and Upcoming