

Kodaikanal Winter School - 2025

18-22 March 2025

Kodaikanal Solar Observatory
Indian Institute of Astrophysics

Tuesday, 18 March 2025

08:00 – 09:00 Breakfast

09:15 – 09:25 Welcome address - [Director, IIA](#)

09:25 – 09:30 Local Information - [Mr. Kumaravel, KSO](#)

09:30 – 11:00 Overview of Solar Astronomy - [Prof. B. Ravindra](#)

11:00 – 11:30 Tea/Coffee break

11:30 – 13:00 Solar Interior and Helioseismology - [Prof. S. P. Rajaguru](#)

13:00 – 14:30 Lunch break

14:30 – 15:30 Solar Atmosphere I: Photosphere and Chromosphere - [Dr. Jayant Joshi](#)

15:30 – 16:00 Tea/Coffee break

16:00 – 17:30 Solar Atmosphere II: Transition Region and Corona - [Dr. Tanmoy Samanta](#)

19:30 – 20:30 Dinner

Wednesday, 19 March 2025

07:00 – 08:15 **Facility visit**

08:15 – 09:15 Breakfast

09:30 – 11:00 Magnetohydrodynamics - [Prof. S. P. Rajaguru](#)

11:00 – 11:30 Tea/Coffee break

11:30 – 13:00 Solar Telescopes and Observations - [Prof. B. Ravindra](#)

13:00 – 14:30 Lunch break

14:30 – 15:30 Spectropolarimetry and Magnetic fields - [Dr. K. Nagaraju](#)

15:30 – 16:00 Tea/Coffee break

16:00 – 17:30 Hands-on Session (Spectropolarimetric observations) - [Ms. M.S. Savita](#), [Dr. Jayant Joshi](#)

19:30 – 20:30 Dinner

Thursday, 20 March 2025

07:00 – 08:15 **Facility visit**

08:15 – 09:15 Breakfast

09:30 – 11:00 Solar Dynamo and Solar Cycles - [Dr. Prantika Bhowmik](#)

11:00 – 11:30 Tea/Coffee break

11:30 – 13:00 Flares and CMEs - [Dr. Tanmoy Samanta](#)

13:00 – 14:30 Lunch break

14:30 – 16:00 Hands-on session (Solar Observations) - [Dr. Manjunath Hegde](#)

16:00 - 16:30 Tea/Coffee break

16:30 – 19:00 Free time.

19:30 – 20:30 Dinner

Friday, 21 March 2025

08:00 – 09:00 Breakfast

09:30 – 11:00 Aditya-L1 mission - [Dr. K. Sasikumar Raja](#)

- 11:00 – 11:30 Tea/Coffee break
- 11:30 – 13:00 Solar Radio Astronomy - [Dr. C. Kathiravan](#)
- 13:00 – 14:30 Lunch break
- 14:30 – 15:30 Solar Wind: Techniques and Insights - [Dr. K. Sasikumar Raja](#)
- 15:30 – 16:00 Tea/Coffee break
- 16:00 – 17:30 Hands-on session (on Aditya-L1 data) - [Dr. K. Nagaraju](#), [Dr. K. Sasikumar Raja](#)
- 19:30 – 20:30 Dinner

Saturday, 22 March 2025

- 08:00 – 09:00 Breakfast
- 09:30 – 11:00 CMEs, CIRs and In-situ Observations - [Dr. Wageesh Mishra](#)
- 11:00 – 11:30 Tea/Coffee break
- 11:30 – 13:00 Hands-on session - [Mr. Soumyaranjan Khuntia](#), [Ms. Anjali Agarwal](#), [Dr. Wageesh Mishra](#)
- 13:00 – 14:30 Lunch break
- 14:30 – 15:30 Comparing the Sun to other Stars in the Milky Way - [Dr. Ravinder K. Banyal](#)
- 15:30 – 16:00 Tea/Coffee break
- 16:00 – 17:00 Sun-Earth Connection, and Space Weather - [Dr. Wageesh Mishra](#)
- 17:00 – 17:20 Interaction and feedback
- 17:20 – 17:30 Concluding remarks - [Dean, IIA](#)
- 19:30 – 20:30 Dinner