



# Workshop on Space Weather Science and Opportunities & 2<sup>nd</sup> Indian Space Weather Conference Physical Research Laboratory, Ahmedabad

17-20 October 2023



**Space weather** refers to a multitude of phenomena occurring at the sun, interplanetary medium, and atmospheric layers, which affect the performance and reliability of space-borne and ground-based technological systems and can endanger several facets of human life. The launch of Aditya-L1 mission from India on 2 Sep 2023 is a step in that direction of understanding the Sun and processes occurring from the sun to the earth.

**Workshop on Space Weather Science and Opportunities** is being organized during 17-18 October 2023, at the Physical Research Laboratory (PRL), Ahmedabad. The workshop aims to train bright and talented students, on the fundamentals of Aeronomy, space weather, its applications and opportunities. Workshop contains lectures by subject experts, interactions, and lab visits to see the ground and satellite based experiments, developed in-house at PRL

*Followed BY*

**Second Indian Space Weather Conference (ISWC-2)** during 19-20 October 2023.

- Talks on Aditya-L1 and upcoming India's Aeronomy satellite mission - DISHA.
- All students selected for the workshop can also attend the conference.

## How to apply

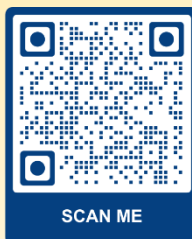
A) Visit the workshop website or scan QR code

<https://www.prl.res.in/~iswc/>

B) Fill the application and upload, 1) one page biodata, 2) expression of interest and 3) No-objection certificate. For more information, visit the link given above.

**Last Date: 20 September 2023**

**If you are selected, an email will be sent to you**



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## Support for participation in the workshop

All the selected candidates will be  
(a) reimbursed with the round trip train ticket to Ahmedabad by sleeper class; (b) provided boarding and food during the workshop and conference; (c) given participation certificate at the end of the conference.

- \* We can understand the weather on Earth. Is the space weather different from it?
- \* Sun emits harmful X-rays and energetic particles. How are we protected from these?
- \* What information will the Aditya-L1 mission provide?
- \* What is the magic behind polar bright lights-Aurora?
- \* Why did Starlink satellites burn in the space?

Are you curious to learn the science concepts behind such questions, this is the right time with a unique opportunity.



## Who can apply

Students in the **Final** year pursuing M.Sc / M.Tech / Integrated B.Tech-M.Tech/ Integrated B.Sc-M.Sc in Physics, space sciences, atmospheric sciences, Astronomy, Optics, and allied subjects. Students who have completed their degree in 2023 can also apply.

**No  
Registration  
Fee**



**Convener, ISWC**

[iswc@prl.res.in](mailto:iswc@prl.res.in)

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