3rd Young Astrophysicists of Today's India (YATI3)

Organized by

Indian Centre for Space Physics, Kolkata, India

07 - 09 October, 2025 | **Venue : JNC Auditorium, ICSP**

3rd YATI rises from the ashes in ICSP's own new integrated campus in Kolkata. This meeting is primarily to celebrate the opening up of the curiosity, passion, and innovation of the next generation of astrophysicists, astronomers and space scientists. From undergraduate students to postdoctoral fellows, this platform invites young minds to share their work, exchange ideas, and build lasting collaborations. Apart from the talks of the Scholars and post-docs, review talks and panel discussions will make the meeting very informative.

UG/PG students who are not currently involved in research but have a keen interest in astronomy and astrophysics are especially encouraged to attend the conference.



Group photo of first YATI conference in 1999
(Taken from the Proceedings of 1st YATI)



Panel discussion during the 2nd YATI conference in 2001
on "Do Blackholes exist?"

Registration Details

Deadlines

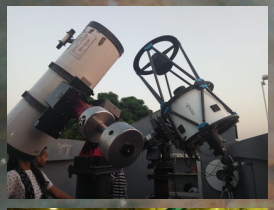
Registration :
20th September 2025

Abstract submission :
10th September 2025

Fees

Rs. 1500 for PhD & PDF &
Rs. 1000 for UG & PG
(include local hospitality)
Rs. 500 for local participants only
(lunch included, without accommodation)
Rs 1000 (additional) for optional Sitapur Observatory visit and sky watching session
****Accommodation support is primarily intended for outstation participants and is available on a limited basis. Allocation will be granted based on early registration and subject to availability.**







Confirmed Speakers

Sandip K. Chakrabarti, ICSP, Kolkata
Arikkala Raghurama Rao, TIFR, Mumbai
Chelliah Subramonian Stalin, IIA Bengaluru
Archan S. Majumdar, SNBNCBS, Kolkata
Banibrata Mukhopadhyay, IISc Bangalore
Bhaswati Mookerjea, TIFR, Mumbai
Gulab Chand Dewangan, IUCAA, Pune
Sarita Vig, IIST, Tiruvananthapuram
Kinsuk Acharyya, PRL, Ahmedabad
Sourav Chatterjee, TIFR, Mumbai
Liton Majumdar, NISER, Bhubaneswar
Narendranath Patra, IIT Indore

Special Attractions

+ **Complimentary visit to the ICSP Space and Astronomy Museum**
+ **Optional visit to the ICSP Sitapur Observatory, home to the largest optical telescope in eastern India and one night sky watching session**
+ **Interactive Panel Discussion on Career opportunities in Astronomy, Astrophysics, and Space Sciences**

Links

Register at
https://forms.gle/ue86XSFxH6sAY87B9

Submit abstract at
https://forms.gle/HSyrZJpEQo1qn3vg9

For further information contact

Indian Centre for Space Physics
Website - https://csp.res.in/yati3
Email - icspconf24@gmail.com

Mob - +919051639237
+918910973554

Scientific Organizing Committee (SOC)

S. K. Chakrabarti (Chair) (ICSP)
Arikkala Raghurama Rao (TIFR)
Archan S. Majumdar (SNBNCBS)
Banibrata Mukhopadhyay (IISC)
Santosh Vadawale (PRL)
Indranil Chattopadhyay (ARIES)
Santabrata Das (IITG)

Local Organizing Committee (LOC)

Sourav Palit (Convenor)
Tamal Basak (Co-convenor)
Devendra Bisht
Rupnath Sikdar
Debashish Bhowmick

On the Prestigious Occasion of celebrating 27th Foundation Day

Indian Centre for Space Physics, Kolkata (ICSP)

organizes

Four Half-Day Workshops on the Frontier Topics of

Astronomy, Astrophysics and Space Science

Date: 06 – 08 December, 2025 **Venue : JNC Auditorium, ICSP**

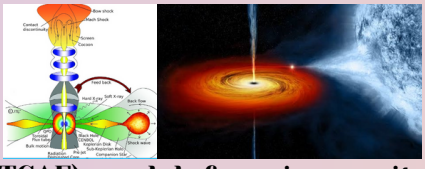
WS1: Optical Astronomy Software and Data Analysis



06 December 2025, 2pm - 6pm

In this workshop, students will learn basic CCD data reduction using IRAF and practice photometric measurements. They will also explore variability detection and light curve plotting from observational data, gaining essential skills in optical data analysis.

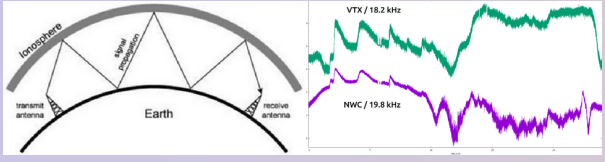
WS2: Observation and Model Fitting of Stellar and Supermassive Black holes



07 December 2025, 9am - 1pm

This workshop explores the Two Component Advective Flow (TCAF) model, focusing on its application in fitting observational data from both stellar-mass and supermassive black holes. Participants will learn the fitting procedure and examine key results that highlight the model's effectiveness in interpreting black hole accretion phenomena.

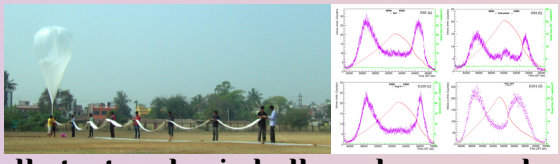
WS3: Simulation of Radio Signal Propagation: Ionosphere as a Space Detector



07 December 2025, 2pm - 6pm

This workshop offers a hands-on introduction to using Radio Signal Propagation simulations to study variations in the lower ionospheric D-region during solar flares. Participants will learn accessible techniques and gain insights into ionospheric behavior through simplified models and remote sensing, and how to use ionosphere as a space monitor.

WS4: Balloon Borne Astronomy and Monte Carlo Simulation with GEANT4



08 December 2025, 9am - 1pm

This workshop introduces students to the use of small stratospheric balloon-borne payloads for research in high-energy astronomy and other scientific fields. It will also cover the application of the GEANT4 Monte Carlo simulation toolkit for modeling background noise and evaluating instrument performance.

08 December 2025, 2pm - 5pm - Special Program on Foundation Day

Eligibility : UG, PG, PhD, PDF and other early career researchers are welcome to apply

Registration link : *https://forms.gle/4nfh2nmvkow74M5i9*
Registration deadline : 25 November 2025
Registration Fee: INR 500 per Workshop (*includes food and visit to Museum of Astronomy and Space Science*)
Accommodation fee (*on double sharing basis at Chandra Guest House, ICSP*): INR 500 per night (if required)

For further information contact
Ph. - 9773708357 (WS1), 9836616686 (WS2)
9477365958 (WS3), 9051639237 (WS4)
Website - https://csp.res.in
Email - *icspconf24@gmail.com*