



AstraX'22

With astronomy facing a paradigm shift, let's check out the new techniques for the vast data analysis, and how we can use our technological prowess to better know the universe!

CONVENORS ADDRESS

Greetings from IIT Mandi!

It is with great pleasure, that I put forth AstraX'22, the fourth edition of AstraX. It is the annual astro-fest of STAC, IIT Mandi and also the biggest astro-fest in India. Bringing together astronomy experts, curious amateurs, and everyone in between, AstraX stands to be the only one of its kind in India. Therefore, we gladly invite you to be a part of this Astro-technical fiesta.

With edifying workshops and talks by keynote speakers from across the globe, all of who are well known figures in this field, AstraX brings to you a cosmic sea's worth of knowledge and astronomical fun, all wrapped up in a four day long festival. AstraX aims to provide and promote knowledge in various aspects of astronomy and astrophysics for those who are passionate about the world beyond the sky and appreciate its visible as well as latent beauty.

Let's all dive into this cosmic together!

Eagerly looking forward to having you here with us in AstraX!

Convenors
AstraX'22

GREETINGS

We are delighted to present before you, the fourth edition of AstraX. The one of its kind inter college Astro Meet of Indian Institute of Technology Mandi. Combining space science and technology , AstraX is a hub for astronomy enthusiastic hosting a plethora of competitive, nail-biting events and proficient talks by prominent speakers in their fields. it will be a pleasure for us to have you here with us in AstraX.

We thus gladly invite you to be a part of this marvelous fest !

HIGHLIGHTS

Being the largest astro-fest in India,AstraX has covered a wide range of colleges and schools throughout the country.

Along with exciting events with brainstorming problem statements, AstraX includes workshops and talks of revered personalities. Astro enthusiasts pan India have been joining us at AstraX since the last 3 editions , and this year we have a lot more for you here at AstraX.

KEYNOTES

AKSHAT MOHITE

He was merely 17 years old when NASA invited him for the 2018 International Space Developmental Conference in the US. He is a scientist astronaut candidate trainee project PoSSUM. He is currently the Project of an American chapter of National Space Society (USA) - Mumbai, India.



DR. KUNAL MOOLEY

He is currently a Postdoctoral Researcher at the California Institute of Technology (Caltech). He obtained his M. Sc. Ph. D. in Astrophysics from Caltech in 2015 and is the co-chair of the VLA Sky Survey and co-lead of the JAGWAR program. He specializes in the study of gravitational-wave multi-messenger astronomy, astrophysical jets, and compact star astronomy.





GABE GABRIELLE

Former Director of Engineering for the US Air Force Special Operations Command; Former Contractor/Engineer for NASA at Kennedy Space Center; Member of NASA Speaker Bureau for 11 Years; International Speaker, Presented in 15 countries; Sighted Guide for a Triathlete who is Blind

RAJESH GOPAKUMAR

Rajesh Gopakumar is a theoretical physicist and the director of the International Centre for Theoretical Sciences (ICTS-TIFR) in Bangalore, India. He was previously a professor at Harish-Chandra Research Institute in Prayagraj, India. He is known for his work on topological string theory.



GURTINA BESLA

Associate Professor in the University of Arizona. She did her Ph.D. in 2011 from Harvard University. She, along with her team, The Besla Group, created detailed simulations of galaxies like the Milky Way and its neighbors and utilize large volume cosmological simulations in order to understand the nature of dark matter and the physics of galaxy evolution.



EVENTS

SHOOTING STAR

Astrophotography

Let's dive in for this mind numbing experience of clicking cosmos with your lens in peace through this astrophotography event "shooting star".



ESTRELLA

Blog Writing

'The sky's the limit'. Let's come together to top this quote by bringing dynamic ideas from the universe-like mind of yours on the table and make it through with the blog writing event 'Estrella'.



MISSION X

Case Study

Research is the first step towards innovation. Show your research and presentation skills to prove your problem solving capability at Mission X, the case study event.



ENIGMA

Hackathon

Astronomy seems even more interesting when it meets extensive datasets. Let's brainstorm in Enigma, the astro-hackathon where you can process and analyze large astro-datasets.



GALACTIC

Treasure Hunt

Go step by step to finish your quest for the astro-treasure, everyone is looking for. Take a chance to test your out-of-the-box thinking at Galactic, the treasure hunt event of AstraX



GORDIAN KNOT

Astro-Quiz

Sky is not the limit for there are footprints on the moon. Exhibit your proficiency in the cosmos as you compete against other paragons of astronomy through this quiz.

WORKSHOPS

LIGO-India

LIGO-India is a multi-institutional mega-science enterprise that will join the international network of Gravitational Wave observatories. They are working to pique the interest of scientific and engineering students in gravitational wave science , maintain ongoing interest in the project and raise public awareness about it.

WHY JOIN US?

AstraX hosts a variety of copacetic events ranging from an astroquiz, a hackathon to an astrophotography contest, providing you a platform to showcase your genius in the field that suits you best.

Prodigious talks by some of the most prominent personalities in the field of theoretical and computational feature sure to leave you spellbound with a gust of having experienced something new.

AstraX organizes amazing workshops on various aspects of astronomy to detailed presentations and interactive sessions.

A vast variety of participants largely from other IITs and IISERs serves as an opportunity to compete among some of the brightest young minds of the country.

CONTACT US

Website : <https://astrax.in>

Intsa-Id : astrax.in

Discord: <https://discord.gg/nNeaEnVD6p>

Mail: convenor@astrax.in

Hospitality Team:
Laxman (96502 47286)
Nihal Singh (70676 04846)



AstraX'22