



1-Day Online Conference on Emerging Trends in High Energy Astrophysics (ETHEAP)

organized by

Department of Applied Sciences, Tezpur University

in collaboration with

Indian Association of Physics Teachers (RC -17)

As a part of Prof. D.P. Khandelwal Birth Centenary Celebrations



Conference Date: March 16, 2022

**Online Mode: Google meet, YouTube
Live streaming**

Theme:

This online conference intends to bring researchers, academicians, research scholars and students together to exchange and share their knowledge and experiences, new ideas, and the research outcome of all possible aspects of High Energy Astrophysics. The B. Tech, B.Sc. & M.Sc. students will especially find it very useful, as some popular talks by well known experts are also a part of this conference. During the conference, students can interact and establish contact with the experts and enhance their knowledge about the recent trends and advances in all aspects of High Energy Astrophysics.

The Conference is aimed to focus on the following topics
(Not limited to):

(a) An Introduction to X-ray Astronomy

(b) Introduction to Active Galactic Nuclei

(c) Astrophysical flows around compact objects

(d) Observational evidence for black holes in the Universe

(e) AstroSat observations of X-ray binaries and AGN

One Keynote Lecture:

Dr. Aru Beri

IISER Mohali, Mohali, Punjab

One Plenary Talk & Three Invited Talks

For registration,
Fill the Google form,
<https://forms.gle/GeUSHMKJuH3MouPZ8>

There will be limited number of participants in Google meet.

For others, the conference will be streamed live on YouTube.

Last Date of Registration:
14th March, 2022.

No registration fee is required.

About the Department of Applied Sciences:

The Department of Applied Sciences is one of the newest departments of Tezpur University. It was established in 2019 and aims to provide high-quality teaching of basic science subjects to engineering students. At the same time, the department aspires to establish its name in research with world-class and high-impact outputs in the frontiers of applied sciences in interdisciplinary areas. The research interests of the faculty members encompass diverse areas of applied as well as fundamental sciences, spanning fields like astrophysics, condensed matter physics, materials chemistry, pure and applied mathematics.

Organizing team:

- I. Dr. Biplob Sarkar, Convenor, Department of Applied Sciences
- II. Dr. Pralay Kumar Karmakar, Joint Convenor, Department of Physics
- III. Dr. Rupjyoti Gogoi, Joint Convenor, Department of Physics
- IV. Dr. Rajib Haloi, Member, Department of Applied Sciences
- V. Dr. Bijoy Krishna Debnath, Member, Department of Applied Sciences
- VI. Dr. Somnath Paul, Member, Department of Applied Sciences
- VII. Dr. Saona Seth, Member, Department of Applied Sciences
- VIII. Dr. Pranjal Kumar Gogoi, Member, Department of Applied Sciences
- IX. Dr. Ranjita Deka, Former Vice Principal Pragjyotish College (Vice President, IAPT EAST ZONE)
- X. Manab Deka, Associate Professor, Pragjyotish College (Secretary, IAPT RC 17)

The link of the online conference will be sent through email on **15th March, 2022** to only the registered participants.

For any queries, please contact:
etheap2022@gmail.com

Who can apply:

1. Any interested UG/ PG Students with proper motivation
2. Research Scholars
3. Faculties / Post doctoral fellows.

E-certificates shall be issued for the registered participants