

विविध प्रकार के प्लाज़्मा और उनके अनुप्रयोगों पर पाठशाला

SCHOOL ON "VARIOUS TYPES OF PLASMA AND THEIR APPLICATIONS"

Organized by

INTER UNIVERSITY ACCELERATOR CENTRE, NEW DELHI, INDIA

25-26 OCTOBER, 2023

About

A plasma consists of positive ions, negative electrons, neutral molecules, UV light and excited molecules, which can possess a massive amount of internal energy. In a plasma treatment process, any or all of these ingredients may interact with a surface. By selecting the gas mixture, amount of energy, atmospheric pressure and other factors, the effects of a plasma can be adjusted as desired. Nowadays, plasma is very common in everyday life - from ubiquitous discharge lamps to plasma TVs. In technology, plasma is used in areas as diverse as gas and water purification, charge particle accelerators, production of new chemical compounds, seed germination in agriculture, clean energy production, surface treatment of advanced materials, coatings, synthesis of nanoparticles, and deactivation of bacteria, viruses, and cancer cells, etc. This school will provide an opportunity to young minds to interact with experts to know more about innovations in plasma based advanced technologies.

Important dates:

Registration start date:

15 Sept 2023

Registration End date:

10 Oct 2023

Topics to be covered

- Various types of Plasma
- Plasma Studies/Diagnostics
- Plasma based Ion Sources
- Plasma Applications
- Plasma Fusion Devices

Registration Fee: Rs. 500/-

Please click this link to register:

<https://forms.gle/DEYBbP54oyewjywT7>

Note

- ❑ Accommodation in IUAC guest house will be provided on 'first come first serve' basis.
- ❑ Travel support (only by train with eligible class) will be provided to limited participants.

Contact Person

Mrs. P. S. Lakshmy (Scientist-E)
Inter University Accelerator Centre,
New Delhi-110067.

Contact number:

011 24126024/9650815979

Email: plasmaschool2023@gmail.com