

2024 URSI Regional Conference on Radio Science (URSI-RCRS 2024)

Organized by ARIES & GEHU, Venue, GEHU, Bhimtal

October 22 - 25, 2022

Website: (<https://www.aries.res.in/ursi.rcrs2024/>)



**Announcement of
Workshop on Ionospheric Measurement
Techniques and Instrumentation**

(22nd October, 2024)

Joint Conveners

**S. Gurubaran, IIG, Navi Mumbai,
Duggirala Pallamraju, PRL, Ahmedabad**

This one-day workshop will focus on the latest measurement techniques and state-of-the-art instrumentation adopted for ionospheric studies. The ionosphere, a critical layer of the Earth's atmosphere, plays a significant role in radio communication, satellite navigation, and space weather phenomena. Understanding its complex dynamics requires precise measurement techniques and advanced instruments. This workshop will provide a platform for researchers, scientists, and students to gain comprehensive knowledge about various ionospheric measurement techniques, including ground-based and space-based methods. It will cover both passive and active techniques that include spaced receiver experiments, differential GNSS technique, ionosondes, coherent scatter radars and in-situ probing using satellite-based techniques. This workshop will also explore the latest advancements in instrumentation used for ionospheric studies. Participants will have the opportunity to interact with experts in the field, discuss challenges and explore future prospects. The workshop aims to foster collaboration and inspire innovative ideas for future research in ionospheric studies.

**All delegates registered for URSI-RCRS 2024 are free to attend
the workshop**