



Radio Astronomy Winter School for College & University Faculty and Students

December 16–24, 2019



The 12th Radio Astronomy Winter School for College & University Faculty and Students (RAWSC-2019), a joint initiative of **National Centre for Radio Astrophysics (NCRA)** of **Tata Institute of Fundamental Research (TIFR)** and **Inter-University Centre for Astronomy and Astrophysics (IUCAA)**, will be organized by the Teaching Learning Centre (TLC - IUCAA) along with the Radio Physics Laboratory (RPL) at both IUCAA and NCRA, during **December 16–24, 2019** at IUCAA, Pune. The TLC at IUCAA works towards promoting astronomy education in the country in both experimental and theoretical domains with an emphasis on higher education. The RPLs provides facilities for teaching Radio Physics and Radio Astronomy techniques using simple hands-on radio physics experiments. The facilities include small radio telescopes equipped with 21-cm radio receivers, which can be used to observe Sun, cold Hydrogen gas in our galaxy and other radio sources.

PARTICIPATION AND PROGRAM

The winter school is largely meant for 3rd year undergraduate and 1st year postgraduate students in Science or the students in the 3rd or 4th year of Engineering (B.E./B.Tech.). Students in the 2nd year of M.Sc. are not eligible to apply.

Students will work under the mentorship of faculty members. Faculty members participating in the program may nominate a maximum of 2 students from their institutions. Other students will be assigned to one of the groups with a faculty member.

The selected participants will get introduced to radio astronomy through a series of lectures with emphasis on hands-on way of doing radio astronomy. They will also carry out simple radio astronomy experiments and learn about operation of radio telescopes. They will also take part in a small radio telescope assembling workshop and a quiz. A visit to Giant Metrewave Radio Telescope (GMRT) operated by NCRA will also be organized during the programme.

HOW TO APPLY

The interested students should apply electronically by duly filling up a web-based application form available at the following website (please note that postal or email application from students will not be accepted):

<https://rawsc.iucaa.in/RAWSC2019>

Interested faculty members may write email to: ace_info@iucaa.in

LAST DATE FOR RECEIVING APPLICATIONS

The completed application form and **recommendations** should reach us by **14th and 19th October 2019 respectively**.

Travel support (second class sleeper train/bus fare) and free hospitality will be provided to all student participants. Travel support and hospitality to faculty members will be provided as per the norms.

Contact via email: ace_info@iucaa.in

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