



# Radio Astronomy School - 2019

19<sup>th</sup> – 30<sup>th</sup> August, 2019



The National Centre for Radio Astrophysics of the Tata Institute of Fundamental Research (NCRA-TIFR) invites applications for a Radio Astronomy School (RAS-2019) to be held from 19<sup>th</sup> - 30<sup>th</sup> August, 2019, at NCRA-TIFR, Pune.

**Objective:** To provide the upcoming generation of astronomers exposure to the techniques and excitement of radio astronomy, especially in the context of the Giant Metre-wave Radio Telescope (GMRT) which has recently undergone a major upgrade. The RAS-2019 will consist of lectures on radio interferometry theory and techniques and hands-on tutorials demonstrating the analysis of GMRT data.

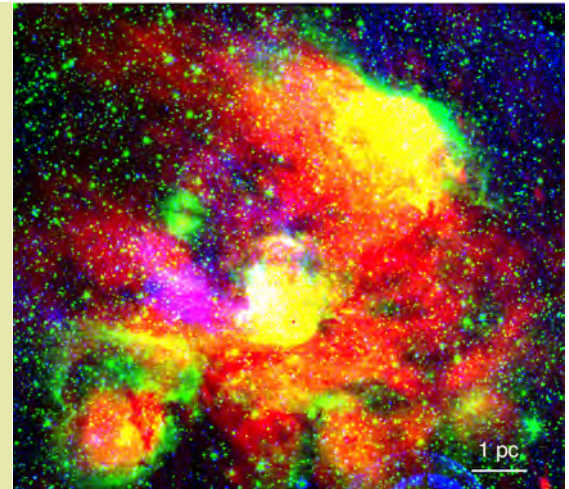
**Who can apply:** The school is aimed at doctoral students, post-doctoral researchers and faculty members who have a keen interest in using the GMRT for their research. We will also consider applications from masters students with sufficient background in radio astronomy. Candidates from outside India may also apply. If selected, their participation in the RAS-2019 would be subject to their obtaining an Indian visa and any necessary clearances from the appropriate government authorities.

**How to apply:** Prospective participants should apply online by visiting <http://www.ncra.tifr.res.in/ncra/ras-2019>. Students will need to arrange for a reference letter from their supervisor to be sent by email directly to [ras@ncra.tifr.res.in](mailto:ras@ncra.tifr.res.in).

Accommodation for the period of the RAS-2019 will be provided to outstation participants. Financial assistance for local expenses and travel within the country may be given to selected participants, if they are unable to obtain support from their parent institution. Please fill the part on financial assistance in the online form to be considered for obtaining support. For queries contact [ras@ncra.tifr.res.in](mailto:ras@ncra.tifr.res.in).

For registration and more information please visit <http://www.ncra.tifr.res.in/ncra/ras-2019>

Last date for accepting applications and reference letters is **16 June 2019**  
Candidate selection deadline: 10 July 2019



Upgraded GMRT band-3 image shown in red of a star forming complex along with optical emission in blue and infra-red in green. Veena, V. S. et al 2019, MNRAS, 482, 4630.

uGMRT image of the XMM-LSS field  
Ishwara-Chandra, I. Heywood, C. Tasse