

Fast radio bursts - Past, present and future

Tuesday 3 December 2019 12:30 (30 minutes)

Fast Radio Bursts (FRBs) which are exotic millisecond duration radio bursts, are currently the hot topic in the field of transient astronomy. The discovery of FRBs has stimulated a range of theoretical investigations to understand their origin and physics as well as observational efforts around the world to search for more such bursts. In the recent decade or so, we have learned a lot about them with the discovery of repeating FRBs and localisation of FRBs to their host galaxies, which are providing essential clues to the puzzle of “what produces an FRB”. In this talk, I will give a brief overview of our current understanding of these enigmatic bursts and talk about recent results from the Australian Square Kilometre Array Pathfinder (ASKAP). There is no more exciting time to be involved in the field!

Author: BHANDARI, Shivani

Presenter: BHANDARI, Shivani

Session Classification: Plenary

Track Classification: Extragalactic sources