



Project: Square Kilometre Array (SKA)

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New Science with the SKA: A giant leap in exploring the magical world



Abstract:

- From the first detection of radio wave of astrophysical origin in 1930s, Radio astronomy has walked a long way, and has helped in our quest to understand the universe. Now, scientists and engineers from all over the globe join hands to build the Square Kilometre Array (SKA), the next generation radio telescope with unprecedented capabilities enabled by advanced technologies. From "Cosmic Dawn" to "Cradle of Life", this talk is an overview of the plethora of transformational science that will be done with the SKA, and how the Indian science community is involved in some of the key SKA science drivers.

About the Speaker:

- Nirupam Roy did his Ph.D. from the National Center for Radio Astrophysics (NCRA-TIFR). He is currently an Assistant Professor and Convener of the Joint Astronomy Programme at the Indian Institute of Science. He is also one of the Ambassador Scientist of the Alexander von Humboldt Foundation in India. He was a Jansky Fellow at the National Radio Astronomy Observatory, USA, and then a Humboldt Fellow at MPIfR (Bonn) In Germany. Nirupam was awarded the INSA Medal for Young Scientists (2013) of the Indian National Science Academy. His main research interests include observational cosmology, study of Galactic novae and interstellar medium.

