



Special Colloquium 20-01

- Speaker:** Prof. Aditi Sen De
Professor H, Harish-Chandra Research Institute, Allahabad
- Title:** “Quantum Communication Network”
- Time:** Tuesday, 11 February 2020, 16.00 hrs.
- Venue:** K.R. Ramanathan Auditorium, PRL

Abstract

The quantum theory of nature, formalized in the first few decades of the 20th century, contains elements that are fundamentally different from those required in the classical description of nature. Based on the laws of quantum mechanics, in recent years, several discoveries have been reported, which can revolutionize the way we think about modern technologies. I will talk about such inventions in the field of communication and some of our recent results towards building a communication network.

The Speaker

Prof. Aditi Sen De had started the quantum information and computation group (QIC) at HRI in 2009. Currently, the group consists of three faculty members, around 10-12 Ph.D. students and five postdoctoral fellows. She did her doctoral work in the University of Gdansk under Prof. Marek Zukowski and subsequently was an Alexander von Humboldt postdoctoral fellow with Prof. Maciej Lewenstein in Hannover, a Ramon y Cajal fellow in ICFO- The Institute of Photonic Sciences, Barcelona, and an Assistant Professor in the Jawaharlal Nehru University, Delhi. She is a recipient of many awards, including the Shanti Swarup Bhatnagar Prize in 2018. She is the first woman to receive this prize in Physics.

Tea at 15:30 hrs

ALL ARE WELCOME

This colloquium is arranged jointly with women's cell, PRL.

