



# Invited Faculty Seminar

21 October 2016

4:00 p.m.

Fermion

**Speaker:**

**Dr. Rajib Kumar Mitra**  
*CBMS, SBNBCBS*

**Title:**

**Exploring the sub-mm wavelength region  
in the electromagnetic spectrum**

**Abstract:**

The sub-mm region is one of the most exciting and, at the same time, most frustrating sectors of the electromagnetic spectrum. Exciting because of the wealth of knowledge that can be gained from research at these frequencies, frustrating because, until recently, techniques have lagged behind. In recent years there has been an avalanche of both experimental and theoretical investigations in this frequency region which includes its application in material properties, device fabrication, ultrafast dynamics in various physical and chemical processes, protein dynamics, medical applications etc. In this talk I will discuss on some of the present advancement that has been made in this field.

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