

## **Seminar**

# **Chiral nanoribbons and Confined nanoreactors**

**Ashok Keerthi**

**University of Manchester, UK**

Helical twisting of a  $\pi$ -conjugated back-bone can often quite dramatically alter the electronic properties, or even lead to new unexpected features. The overall idea of the research proposal is represented through two topics, namely Chiral nanoribbons – Bottom-up synthesis of ribbons where chirality is induced either by helical structure or by the edge structures in nanographenes; and Confined Reactors – Synthesis of conducting polymers, molecular ribbons and planarisation of strained molecules to heteroatom doped PAHs inside the atomically smooth channels.

***Tuesday, Apr 24<sup>th</sup> 2018***

***10:00 AM (Tea/Coffee at 9:30 AM)***

***Seminar Hall, TIFR-H***