

## TIFR Centre for Interdisciplinary Sciences, Narsingi, Hyderabad 500075

## **Seminar**

## Chiral magnetism at oxide interfaces and skyrmions

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The electronic properties of the polar interface between insulating oxides is a topic of great interest. I will present a theory for the observed magnetism at the interface of two non-magnetic materials LaAlO3 (LAO) and SrTiO3 (STO) and discuss the role of spin-orbit coupling. I will also discuss, in a broader context, the possibility of realizing topological spin-textures, namely skyrmions, in this kind of systems and in other 2D chiral magnets.

Monday, Dec 9th 2013

4:00 PM (Tea/Coffee at 3:30 PM)

Seminar Hall, TCIS