



PONDICHERRY UNIVERSITY
School of Physical, Chemical & Applied Sciences
Department of Physics

Invited Lecture

On

Magnetoelectric Multiferroics

By

A.Sundaresan

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Date : 08.08.2014
Time : 3.30 p.m to 4.30 p.m.
Venue : Raman Seminar Hall, Department of Physics
Pondicherry University
Puducherry – 605014

ALL ARE WELCOME


Dr. K.V.P. Lata

(Guest lecture Co-ordinator)



Dr. G. Chandrasekaran
(H.O.D Physics)

Dr.G.CHANDRASEKARAN
PROFESSOR & HEAD
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MagnetoelectricMultiferroics

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Magnetoelectric multiferroics are materials that exhibit coupled magnetism and ferroelectricity. Such materials received much attention in recent years because of their potential in broad spectrum of device applications. In my talk, I will talk about our results on multiferroic properties of polycrystalline orthorhombic TbMnO_3 . Considering the difficulties in establishing a true ferroelectricity in materials with significant leakage component, I will talk about various methods available to find out the intrinsic electric polarization using the well known magnetoelectric multiferroic TbMnO_3 . I will also discuss about our recent results on a spiral magnet $\text{BiMnFe}_2\text{O}_6$.