

Colloquium

Magnetic and magnetoelectric coupling anomalies in spin-chain insulators

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Magnetism arising from spin-chains continues to attract the attention of materials physicists. In this talk, I will bring out interesting magnetic properties of Haldane spin-chain systems and also of spin-chains which are arranged in a triangular fashion leading to geometrically frustrated magnetism. We have studied such materials from a completely different angle (that is, magnetic electric coupling) and the novel results bear significance relevance to the currently active field of 'multiferroics'. Unexpected properties due to (magnetic and crystallographic) disorder in such spin-chain systems would also be brought out.

Thursday, Nov 17th 2016

11:30 AM (Tea/Coffee at 11:15 AM)

Seminar Hall, TCIS