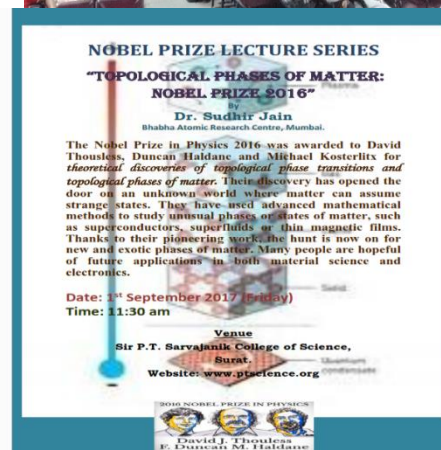


Seminar on “Topological Phases of Matter”

Date: 01-09-2017

Participants: 257

Prof. Sudhir Jain, Bhabha Atomic Research Center, Mumbai



Brief Report:

Nobel Prize in Physics 2016 was awarded with one half to David J. Thouless, University of Washington, Seattle, and the other half to F. Duncan M. Haldane, Princeton University, and J. Michael Kosterlitz, Brown University, Providence for *theoretical discoveries of topological phase transitions and topological phases of matter*. Their discoveries have brought about breakthroughs in the theoretical understanding of matter's mysteries and created new perspectives on the development of innovative materials. In his unique and lucid style Dr Jain presented the underlying mathematical formulation which led to the crucial understanding of different phases of matter. To elaborate Prof Jain's no of day to day examples where in the ideas of topology are used. The talk was well received and in the end it was followed by a long Q & A session.