

SEMINAR

B. B. ROY MEMORIAL LECTURE

Speaker: **Jogesh C. Pati (Maryland U.)**

Title: **Unity in Diversity: Towards a
Fulfillment of Einstein's Dream**

Date and Time: **28/9/2011 (Wednesday) 2-30 pm,
C.V. Raman Lecture Theatre,
1st floor**

Abstract

The concept of unity in diversity -- that is seeing oneness behind many -- has had exciting applications over the last four decades in the field probing into the nature of elementary particles (the microscopic constituents of all matter) and their forces. Following a brief survey of our current knowledge of the fundamental particles and their forces. The talk will emphasize recent attempts to unify the apparently diverse particles and their forces, and the worldwide efforts to test some of the predictions of such a unification. It will also present the implications of such unification for the evolution of the early universe whereby the very small and the very large get intimately linked.