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## **ICTS Seminar**

Title : Symmetries and Hierarchies of the Standard Model

Speaker : Diptimoy Ghosh, Weizmann Institute of Science, Israel

Date : Friday, 21 July 2017

Time : 3:30 PM

Venue : Emmy Noether Seminar Room, ICTS Campus, Bangalore

Abstract : The Standard Model (SM) of particle physics has been one of the most precisely tested theories in physics. However, the SM has various non-generic features, which are tightly related to the fact that it has a number of accidental symmetries, approximately symmetries and large hierarchy among the dimensionless parameters. In this talk, I will discuss these symmetries and hierarchies of the SM and point out whether and how they might tell us about the nature of short distance physics.