



# OPEN TALK ANNOUNCEMENT VASP, EVLP

**6 July 2015**

**3:00 p.m.**

**Fermion**

**Speaker:**

**Subhadeep Roy**

*(Host Faculty: Prof. S.S Manna)*

**Affiliation:**

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**Title:**

**Fiber Bundle Model: A Statistical Mechanical Model In Fracture**

**Abstract:**

Disorder plays an important role in fracturing materials. This fracture process in materials occurs in avalanches with applied stress or time. There are many models in statistical mechanics that can include this avalanche pattern, Fiber bundle model is one of them. We have studied some of the features in material sciences from the point of view of this model.

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