

Colloquium # 236

Institute for Plasma Research

Title : Coupling chemo-mechanical oscillators
Speaker : Prof. P. Punit
Physics Department, IIT Bombay, Powai
Date : 9th September 2014 (Tuesday)
Time : 03:30 PM
Venue : Seminar Hall, IPR

Abstract:

The dynamics of a chemo-mechanical Mercury Beating Heart (MBH) system is analyzed experimentally. It is observed that different shapes of the mercury drop could be obtained. The redox potential timeseries for this MBH system, corresponding to these different shapes were also recorded. Subsequently, two such oscillators were coupled and the resultant synchronization phenomena studied.
