



DEPARTMENT OF PHYSICS
INDIAN INSTITUTE OF TECHNOLOGY KANPUR

OUTREACH TALK

CHAOTIC LIFE IS A GAME

Our Speaker:

Prof. Sagar Chakraborty

IIT Kanpur

About The Speaker

Sagar Chakraborty is a Professor at the Department of Physics, IITK. His current main research interests are in Game Theory and Nonlinear Dynamics.

About The Talk

Although difficult to define, it is clear that life may be seen as a thermodynamics or chemical system. Interestingly, life is an order arisen from the randomness present in nature and many processes of life are random. Some of these randomnesses owe their origin to chaos—a counter-intuitively deterministic phenomenon. Furthermore, a crucial defining feature of life is evolution in which the competition for survival can be understood through evolutionary games. In the higher forms of life, situations get even more complex: The conscious individuals can take strategic decisions and their behaviours in competitions are normatively modelled using the theory of games—a historical precursor of the evolutionary game theory. This talk will try to expose the beginners to the fascinating concepts of chaos and games, and their interconnectedness.



26 September, 2024
5:15 PM, L19 (LHC)
High Tea: 5:00 PM