

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE

2A & 2B, Raja S.C. Mullick Road, Jadavpur, Kolkata-700032, India

Seminar Notice

Org. by

School of Physical Sciences

Title:	First Passage Under Restart
Speaker:	Arnab Pal, The Center for Physics and Chemistry of Living Systems, Tel Aviv University, Israel
Date:	November 28, 2019 (Thursday)
Time:	14:00 Hours
Venue:	Physics Seminar Room (C-406), 3rd Floor, Centenary Building, IACS
Abstract:	Stopping a process in its midst—only to start it all over again—may prolong, leave unchanged, or even shorten the time taken for its completion. Among these three possibilities the latter is particularly interesting as it suggests that restart can be used to expedite the completion of complex processes which otherwise would hinder. I will introduce the problem of first passage under restart using the example of simple diffusion, but will then explain why many unknowns compel us to generalize to arbitrary first passage processes and restart mechanisms. Finally, I will demonstrate how the framework developed herein can serve as a platform to understand generic search processes and bio-chemical reactions.

All are cordially invited to attend the seminar