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:	**L-series, wavelets and modular forms**
Speaker:	**Debashis Ghoshal, School of Physical Sciences, JNU**
Date:	**January 3, 2020 (Friday)**
Time:	**12:00 Hours**
Venue:	**Physics Seminar Room (C406), 3rd Floor, Centenary Building, IACS**
Abstract:	The series defining the famous Riemann zeta function is an example of an L-series. Physicists have attempted to realise these as the partition functions of statistical systems. We show that many L-series can be written as trace of pseudo-differential operators acting on a space of complex functions on the p-adic numbers. This further leads to deconstruction of modular forms associated with many L-series.

All are cordially invited to attend the seminar