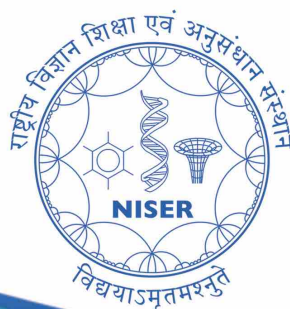


ADVANCED INSTRUCTIONAL SCHOOL ON STOCHASTIC PROCESSES

Level I & II, 2019



17th June -
12th July 2019

AIMS & OBJECTIVES

Most Indian Universities however do not have a rigorous study on probability. The aim of this school is to give a comprehensive training to students in a undergraduate/PhD programme on probability and stochastic processes. Also to give them a chance to interact with researchers in these topics.

► For Level I, 1) Basic probability theory, 2) Measure free Markov chain, 3) Modules of linear algebra and real analysis will be discussed. There will be around 40 hours of lectures including tutorials per topic over a 4 weeks period.

► For Level II, 1) Measure theoretic probability, 2) Conditional probability and Martingale, 3) Brownian motion will be discussed. There will be around 30 hours of lectures including tutorials per topic over a 3 weeks period.

ELIGIBILITY

- Level I: 3rd year of B.Sc.; 1st year of M.Sc. or 3rd & 4th year of Integrated M. Sc. students in Mathematics or Physics, 4th Year B.Tech. students in Electrical Engineering.
- Level II: Participants of Advanced Instructional School on stochastic processes 2018 will be given preference

FACILITIES

Travel, local conveniences and course materials.

It is mandatory to attend all lectures and stay for the whole duration !

SPEAKERS & TUTORS

Alok Goswami, ISI, Kolkata
Anil Kumar Karn, NISER, Bhubaneswar
Anish Sarkar, ISI, Delhi
Antar Bandyopadhyay, ISI, Delhi
Arijit Chakrabarty, ISI, Kolkata
B V Rao, CMI, Chennai
Krishanu Maulik, ISI, Kolkata
Manjunath Krishnapur, IISc, Bangalore
Nabin Kumar Jana, NISER, Bhubaneswar
Parthanil Roy, ISI, Bangalore
Probal Choudhuri, ISI, Kolkata
Rahul Roy, ISI, Delhi
Srikanth Iyar, IISc, Bangalore

ORGANISERS

Nabin Kumar Jana, NISER, Bhubaneswar
Rahul Roy, ISI, Delhi

Email: aissp@niser.ac.in

For details:

Level I: <http://www.niser.ac.in/sms/news/ais-stochastic-processes-level-i>
Level II: <http://www.niser.ac.in/sms/news/ais-stochastic-processes-level-ii>

APPLICATION

Application can be made online through either of the websites given below on/before **10 May (L1)** and **19 May 2019 (L2)**.

- 1 <https://www.atmschools.org/school/2019/AIS/spl1/application-form>
- 2 <https://forms.gle/KHr4WYjxbk9gHT569>

Venue:

National Institute of Science Education and Research Bhubaneswar,
Jatni, Khurda, Odisha-752050



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