



Science Academies' Refresher Course in Statistical Mechanics

at

Post-Graduate and Research Department of Physics, Bishop Moore College, Mavelikara 690 110
2–16 May 2018

Sponsored by

Indian Academy of Sciences, Bengaluru
Indian National Science Academy, New Delhi
The National Academy of Sciences, India, Allahabad

A Refresher Course in 'Statistical Mechanics' for College/University teachers/research scholars will be held at the Post-Graduate and Research Department of Physics, Bishop Moore College, Mavelikara, Kerala, during 2–16 May 2018. The Course is primarily aimed at teachers involved in teaching Statistical Mechanics at the UG/PG level although a few seats will be available for research scholars/post-docs in physics. The Course will cover the basic and advanced topics of Statistical Mechanics, through lectures and tutorials. College/University teachers having at least a Master's degree in Physics are particularly encouraged to apply. Topics to be covered include Thermodynamics, Probability theory, Basic postulates and ensembles of statistical mechanics, Bosons, Fermi gas, Classical interacting systems, Phase transitions and critical phenomena, and Different types of problems studied using statistical mechanical methods.

UGC has approved two-week Refresher Courses of good standing for promotion, vide notification. F3-1/2009 dated 30 June 2010.

Resource persons: Indrani Bose (Kolkata), K. P. N. Murthy (Manipal), Neelima Gupte (Chennai), Parongama Sen (Kolkata), Somendra M. Bhattacharjee (Bhubaneswar), Varsha Banerjee (Delhi).

Applications are invited from teachers with experience in teaching undergraduate and postgraduate courses in Physics. Maximum 40 applications will be considered. Teachers/Post-docs/Research Scholars who wish to participate in the Refresher Course should apply online by clicking the following link:

<http://web-japps.ias.ac.in:8080/Refreshcourse/MECR.jsp>

A printed copy of the application approved by the Head of the institution (or competent authority) should be sent by speed post to the Coordinator:

Dr Lija K. Joy, Department of Physics, Bishop Moore College, Mavelikara 690 110. Scanned copies may be sent by e-mail to rcstatbmc@gmail.com.

Last date for receipt of applications: **27 February 2018**.

Outstation candidates will be provided local hospitality and round trip bus/train (three-tier AC) fare by the shortest route. Please note that participants must arrive on 1 May and leave on 16 May.

Course Director: Somendra Mohan Bhattacharjee, Institute of Physics, Bhubaneswar 751 005.

Course Coordinator: Dr Lija K. Joy and **Prof. Merin George**, Department of Physics, Bishop Moore College, Mavelikara 690 110, e-mail: lijakjoy@gmail.com, merin85@gmail.com.
Contact number: 094950 43765