

A brief report on

One Day Symposium

on

RECENT TRENDS IN PHYSICAL SCIENCES

March 16, 2018

An outreach program organized by S.N.Bose National Centre for Basic Sciences, Kolkata in collaboration with Department of Physics, Tripura University, Tripura

To mark the celebration of 125th Birth Anniversary of Prof. Satyendra Nath Bose



The program is aimed at Undergraduate and Masters' students. There will be three lectures on general aspects on the state of the art advancement of Science. A documentary film on the life and works of Prof. S. N. Bose will be screened.



ONE DAY SYMPOSIUM on "RECENT TRENDS IN PHYSICAL SCIENCES"

March 16, 2018

Venue : Seminar Hall, Department of Physics Tripura University, Suryamaninagar

SPEAKERS:

Prof. Biswajit Chakraborty (SNBNCBS, Kolkata) Prof. Kalyan Mandal (SNBNCBS, Kolkata) Dr. Ratan Das (TU, Tripura)

> Interested participants are requested to reach the venue on 16th March, 2018 by 10:00 AM for registration.

A] Total number of participating institutions : 04

MBB college, Agartalar Ramthakur College, Agartala Women's College, Agartala Tripura University, Tripura

B] Total number of participants : 117

MBB college, Agartalar: 24 Ramthakur College, Agartala: 13 Women's College, Agartala: 6 Tripura University, Tripura: 74 (Including a few Research Scholars)

C] Total number of Speakers : 03

Prof Biswajit Chakraborty Title of the talk: Bosons, Fermions and Geomery Prof Kalyan Mandal Title of the talk: Magnetism: Bulk to Nanostructured Materials

Dr. RATAN Das

Title of the talk: Nanoscience and Nanotechnology

PROGRAM

- 10:00-10.45 : Registration
- 10:45-11:00 : Inauguration
- 11:00-11:30 : Tea break (Sweet Packets Distributed)
- 11:30 13.00 : Lecture I (Speaker: Prof Biswajit Chakraborty)
- 13:00-14:00: Lunch Break
- 14:00-15:00 : Lecture II (Speaker : Prof Kalyan Mandal)
- 15:00 15:30: Lecture III (Speaker : Dr Ratan Das)
- 15:30-16:00 : Documentary film show on Prof S N Bose
- 16:00-16:30: Student Interaction
- 16:30-16:45 : Concluding Remarks

SUMMARY of THE TALKS

Bosons, Fermions and Geomery Biswajit Chakraborty S.N. Bose National Centre for Basic Sciences, Salt Lake, Kolkata

`Prof. Chakraborty discussed about the brief history of the struggle with Euclid's fifth postulate to the eventual formulation of Non-Euclidean geometry and the vital role played by it in the formulation of General Theory of Relativity by Albert Einstein. Later, He touched upon the formulation of relativistic quantum mechanics and quantum field theory. Finally, He mentioned about the difficulties in merging General Relativity and quantum mechanics, which remains an unsolved problem till now.

Magnetism: Bulk to Nanostructured Materials

Kalyan Mandal

S.N. Bose National Centre for Basic Sciences, Salt Lake, Kolkata

Prof. Mandal discussed about the different aspects and properties of different types of magnetic nanomaterials and their important applications in branches of science.

Nanoscience and Nanotechnology

Ratan Das

Dr. Das presented a brief chronological development of Nanotechnology and present day status as well as different applications of nanomaterials.

Few Moments from the day

















CERTIFICATE ISSUED TO THE STUDENTS

