

This file has three pages: a 2-page brochure with application format and a poster; please scroll down to see all these.

COURSE OBJECTIVE

The objective is to motivate participants towards higher studies and research in Physics through interaction of the participants with the course faculty at the level of class-room discussions, rigorous laboratory sessions and special lectures on current research topics. This will help the participants to orient towards the pursuit of research in Physics.

The specific objective is to impart:

- analytic skills in problem solving
- insights into concepts and applications of principles of Physics
- experimental skills and interest through lab sessions and demonstrations.
- exposure to current research frontiers

COURSE FACULTY

The teaching faculty consists mainly of experts from IIT Madras.

ELIGIBILITY

The course is open to teachers and students of Physics programs in colleges in and around Chennai. The maximum age limit for the teachers is 50. Students presently in their FINAL year of B. Sc. are preferred.

Interested candidates are required to apply with a brief write-up of about half-a-page in their own handwriting explaining their career interests in Physics. Selected candidates are required pay **Rs. 250/-** in cash at the time of registration, towards incidental expenditure. The applications should be supported by reference letters from the heads of the Departments. Students should also send copies of mark sheets of all semesters upto the current semester. A maximum of 30 candidates will be selected after screening.

The last date to receive the applications is **6th December 2013**. The list of selected candidates will be put up in the Department website by 10th Dec 2013.

ACCOMMODATION

Free boarding and lodging will be provided at IITM hostels for those who require.

WINPHYS 2013

Winter Workshop in Physics

December 16 - 20, 2013

Coordinators

G. Markandeyulu

C. Vijayan



Organized by

**Centre for Continuing Education
and
Department of Physics**

**Indian Institute of Technology, Madras
Chennai – 600 036**

COURSE CONTENTS

CLASS-ROOM DISCUSSIONS

- Analytic and problem solving methods
- Topics in Mathematical Physics
- Electricity and Magnetism, Maxwell equations and applications.
- Basics of Quantum Mechanics etc.

LABORATORY PROGRAMME

Afternoons sessions devoted developing experimental skills will be held in a 'hands-on' mode. Demonstration experiments in major areas of Physics will be arranged.

GUEST LECTURES

A few guest lectures will be arranged on topics from frontier research areas.

VENUE FOR THE COURSE

The program will be held in the lecture classes and the laboratories of Department of Physics, IIT Madras

Contact Details:

Prof. G. Markandeyulu,
Dept. of Physics,
Indian Institute of technology, Madras
Chennai, 600036

Email: mark@iitm.ac.in
Phone: 044-22574870

Prof. C. Vijayan

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Please scroll down to see the poster

WINPHYS 2013

Winter Workshop in Physics

December 16 - 20, 2013

Copy this format in a separate full sheet, fill up and send to the contact address to reach on or before **6th December 2013**.

APPLICATION FORM

(copy and fill in a separate sheet)

- Name:
- Designation:
- Qualification:
- Experience/class:
- College:
- Mailing Address:
- Email and phone no.
- Details, if any, of such workshops attended earlier.
- What I look forward to in this program
- Is hostel accommodation required?
- Signature with date

Applications MUST be sent along with:

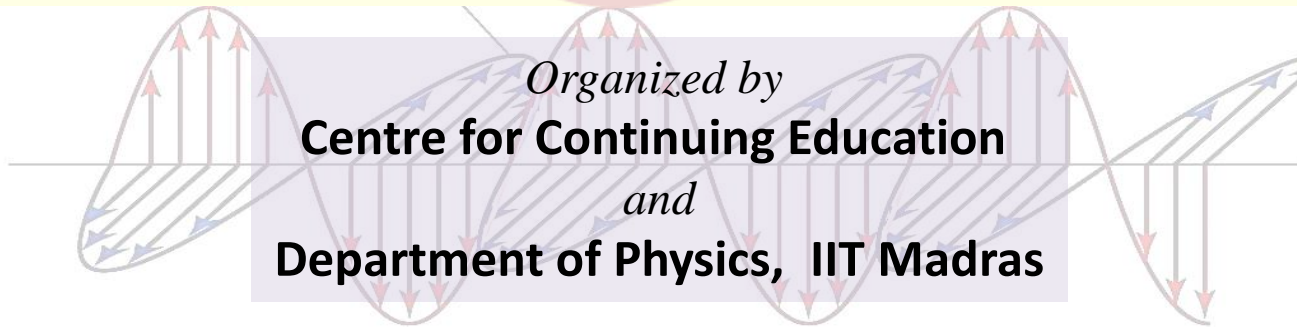
- A letter of recommendation from the respective Head of the Department
- A half-page write-up in your own handwriting.
- Copies of mark sheets of semesters so far (in the case of student applicants).

WINPHYS 2013

WINTER WORKSHOP IN PHYSICS

DECEMBER 16-20, 2013

at Indian Institute of Technology Madras



Organized by
Centre for Continuing Education
and
Department of Physics, IIT Madras

CLASSROOM SESSIONS

Conceptual understanding
and problem solving

Mathematical Physics
Electricity and Magnetism
Quantum Mechanics etc.

LABORATORY SESSIONS

Rigorous experimental
sessions and interesting
demonstrations

SPECIAL LECTURES

on current topics in physics

LAST DATE FOR APPLYING: 6th DECEMBER, 2013

Registration fee : ₹ 250/=

Venue : DEPT. OF PHYSICS, IIT MADRAS

Eligibility : TEACHERS AND STUDENTS (preferably III B. Sc)
of Physics in and around Chennai

Accommodation in hostels at IITM will be provided (no lodging charges), on request

Prof. G. Markandeyulu
Email: mark@iitm.ac.in

Prof. C. Vijayan
Email: cvijayan@iitm.ac.in