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REGISTRATION FORM

Department of Physics
Dr B R Ambedkar
National Institute of Technology
Jalandhar - 144011, Punjab

Short Term Course
on
Current Trends in Condensed Matter Physics

(17^{th} -21^{st} April 2020)
(One Week Duration)

TEQIP-III Sponsored

Apply here

www.sites.google.com/view/ctcmp2020

For any queries contact:

ctcmp2020@gmail.com

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Organized by
Department of Physics
Dr B R Ambedkar
National Institute of Technology
Jalandhar – 144 011, Punjab
http://www.nitj.ac.in/

ABOUT NIT JALANDHAR

Dr. B. R. Ambedkar National Institute of Technology, Jalandhar was established in the year 1987 as Regional Engineering College and attained the status of National Institute of Technology on October 17, 2002. As National Institute of Technology, the Institute has a responsibility of providing high quality technical education in Engineering and Technology to produce competent technical manpower for the country. The Institute offers B. Tech. courses in twelve disciplines of Engineering and Technology along with the Research Programmes leading to M.Sc., M. Tech. and Ph.D. degrees. The Institute has signed Memorandum of Understanding (MoU) with many prestigious Institutes such as Ecole Centrale de Lille, France, University of Johannesburg, South Africa, along with other Universities abroad including UK, USA and Canada for the mutual academic exchange program and further strengthening of the academics and research.

ABOUT THE DEPARTMENT

The Department of Physics NIT- Jalandhar is one of the sixteen Departments of the Institute. Within a span of thirteen years of commencement of post graduate classes and Doctoral programs, the Department has achieved results which reflect upon the growth pattern of the Department. The vision of Department is to build a rich intellectual potential embedded with inter-disciplinary knowledge, human values and professional ethics among the youth, aspirant of becoming Scientists, Engineers and Technologists, so that they contribute to society and create a niche for a successful career.

GENERAL INFORMATION

The Resource person for the course will be highly experienced faculty members from reputed institutes like IITs, NITs, Central/State Universities, Research Laboratories, etc. Students and faculty members from government and private organizations are eligible to attend the course. The programme is of interdisciplinary nature. Only limited numbers of seats are available. The interested person needs to apply on the website of **CTCMP-2020** by **5th April 2020** through proper channel. The registration fee for participants is **Rs 1500** for faculty and **Rs 1000** for students to be submitted in the form of **NEFT/RTGS/UPI** transaction of required amount to:

Account Holder Name: STC CTCMP

Account No.: 2945101004644

IFSC Code: CNRB0002945

No TA/DA will be paid to participants for attending the course. Hostel accommodation to the outside participants will be provided in the institute hostels subject to availability on nominal chargeable basis.

OBJECTIVE OF THE COURSE

This short-term course on "Current Trends in Condensed Matter Physics" is being organized to give a detailed introduction to research areas of current interest in the field of theoretical condensed matter physics. The course is devised in such a way that participants are first introduced to basics of theoretical approached adopted by researchers for research problems in Condensed Matter Physics, their present status and future perspectives and connection to different experimental facilities will be discussed. This will provide the participants with the opportunity of learning the fundamentals and then applying those fundamentals to the research problems. The workshop main themes are quantum liquids (Fermions and Bosons), strongly correlated electron systems, and electron correlation effects in low dimensions. The main objective of the course is to disseminate the importance of the recent advances in the field of theoretical condensed matter physics. The course is devised in such a way that participants are first introduced to basics of theoretical approaches adopted by researchers for research problems in condensed matter physics, their present status and future perspectives and connection to different experimental observations will be discussed. This will provide the participants with the opportunity of learning the fundamentals and then applying those fundamentals to the current research problems.

IMPORTANT DATES:

Last Date of Registration: 05 April 2020

Intimation Regarding Acceptance: 11 April 2020

Date of short term course: 17-21 April 2020

VENUE: IT Park, NIT Jalandhar

CONTACT PERSONS:

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