

14th APCTP-IACS-ACADEMY-JNCASR Joint Activity on Novel Phases in Oxide Materials and Low Dimensional Systems

30th Nov (Thu) - 2nd Dec (Sat), 2023

Venue :

Evolve Back Resort Coorg
Karadigodu Post, Siddepur
Coorg - 571253 Karnataka

Overview

Novel and emergent materials have attracted significant interest in condensed matter research because of their wide-ranging physical properties that are important for basic research and various applications. The primary purpose of this conference is to present and discuss cutting-edge theoretical and experimental works on quantum materials and to promote the exchange of ideas and collaboration among researchers from India, Korea, and APCTP member countries. The major topics will include transition metal oxides, topological insulators, novel superconductors, two-dimensional materials, etc.

Topics Covered

- Frustrated magnetism including spin-orbit induced magnetism and spin liquids
- 2D systems including 2D magnetism
- Emergent materials (Dirac materials, Thermoelectric materials, Novel superconductors etc.)

Invited Speakers

- Prof. Yunkyu Bang (APCTP) ykbang@apctp.org
- Prof. Kanishka Biswas (JNCASR) kanishka@jncasr.ac.in
- Prof. Young Jun Chang (UOS) yjchang@uos.ac.kr
- Prof. Debraj Choudhury (IIT Kgp) debraj@phy.iitkgp.ac.in
- Prof. Suvankar Chakraverty (INST) suvankar.chakraverty@inst.ac.in
- Prof. Anindya Das (IISc) anindya@iisc.ac.in
- Prof. Myung Joon Han (KAIST) mj.han@kaist.ac.kr
- Prof. Darshan Joshi (TIFR Hyd) djoshi@tifrh.res.in
- Prof. Olof Karis (MAX IV, Uppsala) olof.karis@maxiv.lu.se
- Prof. Kee Hoon Kim (SNU) optopia@snu.ac.kr
- Prof. G. U. Kulkarni (JNCASR) kulkarni@jncasr.ac.in
- Prof. Jun Hee Lee (UNIST) junhee@unist.ac.kr
- Prof. Urmimala Maitra (IACS) urmimala.maitra@iacs.res.in
- Prof. Jae-Hoon Park (POSTECH) jhp@postech.ac.kr
- Prof. Kwon Park (KIAS) kpark@kias.re.kr
- Prof. Tuson Park (SKKU) tp8701@skku.edu
- Prof. Tanusri Saha Dasgupta (SNBNCBS) tanusri@bose.res.in
- Prof. A. Sundaresan (JNCASR) sundaresan@jncasr.ac.in
- Prof. Ranjani Viswanatha (JNCASR) rv@jncasr.ac.in
- Prof. Jaejun Yu (SNU) jyu@snu.ac.kr

Organizers

- Indra Dasgupta (IACS, India, Chair)
- Kanishka Biswas (JNCASR, Co-Chair)
- Jaejun Yu (SNU, Korea, Co-Chair)
- D. D. Sarma (IISc, India)
- Yunkyu Bang (APCTP)

Host

- APCTP (Asia Pacific Center for Theoretical Physics)
- IACS (Indian Association for the Cultivation of Science)
- Indian Academy of Sciences (Bengaluru)
- JNCASR (Jawaharlal Nehru Centre for Advanced Scientific Research)

