Webinar Series on

Advances in Condensed Matter Physics and Materials Science

29-30th September, 2021

Organized by: School of Physical and Applied Sciences, Goa University

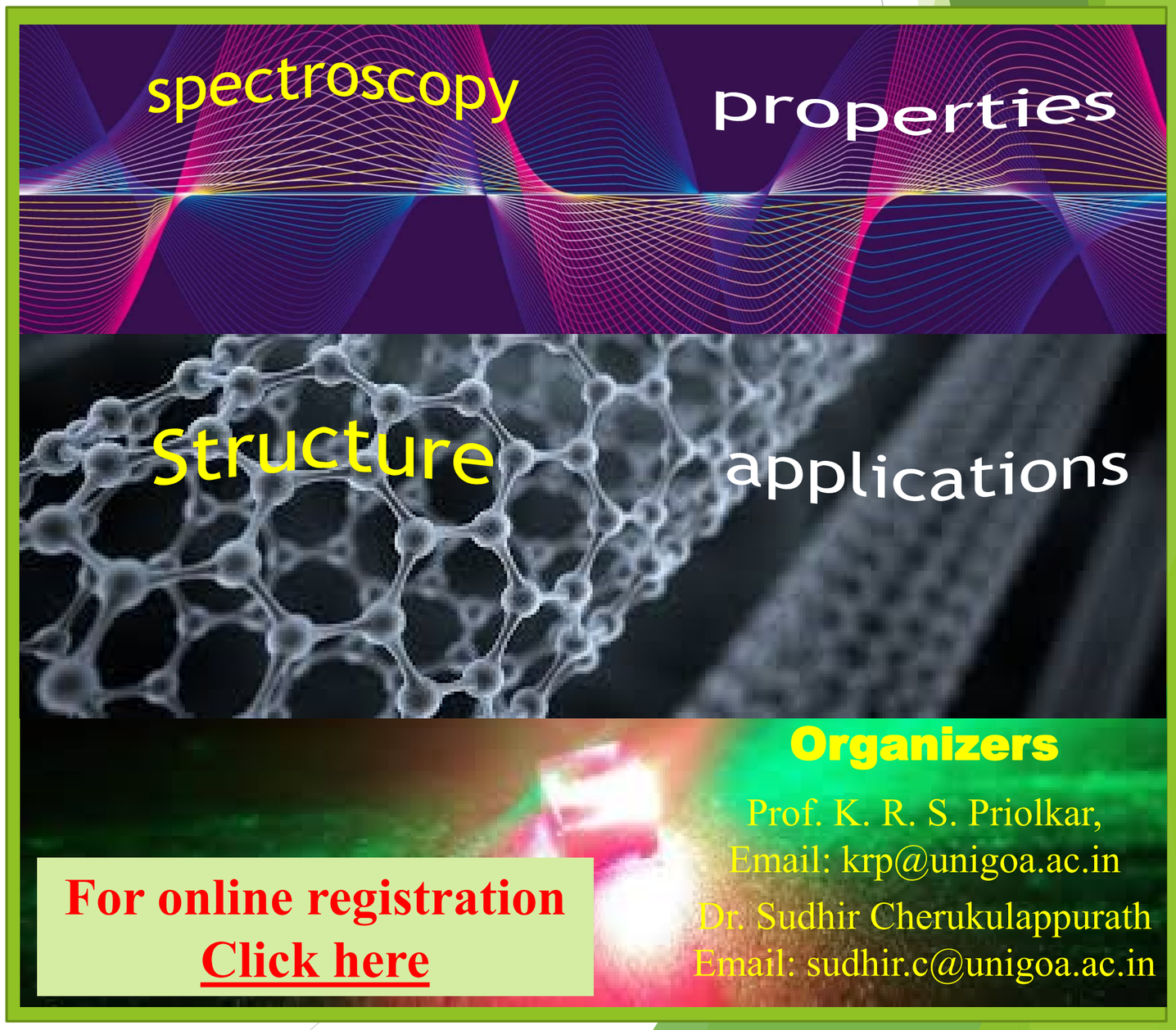
The Scientific deliberations at the webinar series will cover a wide range of topics in Condensed Matter Physics and Materials Science in the form of invited talks. The webinar series is expected to be a platform for young researchers to hear from experts in various research domains of condensed matter physics and to widen their knowledge in the latest research advancements. This will also serve as an opportunity for exploring new collaborations.

Topics Covered

- Shape memory alloys
- Quantum Magnetism
- Strongly correlated system
- Metal Chalcogenides
- Light-matter interaction @ nanoscale
- Neutron Scattering
- Topological Phases of Matter
- Energy Materials
- 1-D & 2-D materials
- Spintronic & Devices
- Amorphous Systems

List of Speakers

Ibrahim Karaman, Texas A&M University, USA
Avinash Mahajan, IIT Bombay, India
Sugata Roy, IACS, Kolkata, India
Kanishka Biswas, JNCASR, Bangaluru, India
Eiji Nishibori, University of Tsukuba, Japan
Nonappa, Tampere University, Finland
Xavier Moya, University of Cambridge, UK
Romain Quidant, ETH Zurich, Switzerland
Mattias Eden, Stockholm University, Sweden
Riccardo Sapienza, Imperial College London, UK
Sunil Kumar, IIT, Delhi, India
G. V. Pavan Kumar, IISER, Pune, India
Vinod Aswal, BARC, Mumbai, India
Mukul Gupta, UGC DAE CSR, Indore, India
Anup K. Bera, BARC, Mumbai, India
Abhimanyu Rana, BML Munjal University, India
Kashinath Bogle, SRTM University, India



For online registration
Click here

Organizers

Prof. K. R. S. Priolkar,
Email: krp@unigoa.ac.in
Dr. Sudhir Cherukulappurath
Email: sudhir.c@unigoa.ac.in

Webinar Series on

Advances in Condensed Matter Physics and Materials Science

29-30th September, 2021

Organized by: School of Physical and Applied Sciences, Goa University

September 29, 2021		
9:40 am – 10:20 am	Avinash Mahajan	Unusual spin dynamics in the low-temperature magnetically ordered state of the honeycomb system Ag3LiIr2O6
10:20 am – 11:00 am	Sugata Ray	Mixed Anion Physics in Flourinatedvacancy ordered Brownmillerite: A possible route to Multiferrocity
11:00 am – 11:40 am	Kanishka Biswas	Enhanced atomic ordering leads to ultra-high thermoelectric performance
11:40 am – 12:20 pm	Eiji Nishibori	In-situ and charge density studies by synchrotron X-ray diffraction
Lunch Break		
2:00 pm – 2:40 pm	Kashinath Bogle	Metal oxide/sulfide nano-materials for electrical devices and waste-water treatment
2:40 pm – 3:20 pm	Nonappa	3D electron microscopy for structural nanotechnology
3:20 pm – 4:00 pm	Xavier Moya	Barocaloric effects near structural phase transitions
Tea Break		
4:10 pm – 4:50 pm	Romain Quidant	Nanophotonics for biosensing and reconfigurable planar optics
4:50 pm – 5:30 pm	Mattias Eden	Solid-State NMR and molecular dynamics simulation studies of phosphoserine-doped calcium phosphate cements with bone-adhesive properties
September 30, 2021		
9:00 am – 9:40 am	Ibrahim Karaman	Unusual Functionalities in MartensiticallyTransforming Materials
9:40 am – 10:20 am	G. V. Pavan kumar	Surface-enhanced Raman scattering in plasmonic tweezers
10:20 am – 11:00 am	Vinod Aswal	Probing structure and interaction in soft matter using small angle scattering
11:00 am – 11:40 am	Mukul Gupta	Synthesis of fcc-Co from isostructural Co_4N
11:40 am – 12:20 pm	Anup Kumar Bera	Neutron scattering investigation of quantum phenomena in 1D magnets
Lunch Break		
2:30 pm – 3:10 pm	Abhimanyu Rana	Smart materials for sensors and transparent neuromorphic devices
3:10 pm – 3:50 pm	Sunil Kumar	Ultrafast spectroscopy of spintronic heterostructures
Tea Break		
4:00 pm – 4:40 pm	Riccardo Sapienza	Nanophotonic and electro-chemical control of individual quantum dot emission