



INTERNATIONAL WEBINAR

ON

RENDEZVOUS WITH QUANTUM PHYSICS

ORGANIZED BY

A.K.P.C. Mahavidyalaya

(DEPARTMENT OF PHYSICS IN COLLABORATION WITH IQAC)

TIME: 10.00-13:00 IST 12-13 JUNE, 2021

Register* online at <https://forms.gle/WQPXtY5UKDeagATx8> (seats limited)

DAY-1: 12th June

KEYNOTE SPEAKER-1, Time: 10:20 am to 11:00 am, IST.



Dr. Soham Ghosh, Postdoctoral Fellow,
Lawrence Berkeley National Laboratory, USA.

Topic: Stability and electronic structure of oxide surfaces and interfaces.

KEYNOTE SPEAKER-2, Time: 11:15 am to 11:55 am, IST.



Dr. Arijit Saha, Reader, Institute of Physics,
Bhubaneswar, India.

Topic: Topological Insulators and Topological Superconductors: a new Paradigm of modern Condensed Matter Physics.

Short Presentation-1, Time: 12:10 pm to 12:20 pm, IST.

Mr. Anupam Saha, J.R.F. under DST-SERB scheme, AKPCM.

Topic: Fermi level fluctuation, Magnetization and Zeeman splitting during quantum oscillation in Nodal Line Semimetals.

Short Presentation-2, Time: 12:30 pm to 12:40 pm, IST.

Dr. Pampa Pal Goswami, Assistant Teacher & Student at Bijoy Krishna Girls' College, Howrah.

Topic: Preparation and characterization of magnetic Nanoparticles for industrial and medical applications.

DAY-2: 13th June

KEYNOTE SPEAKER-3 , Time: 10:05 am to 10:45 am, IST.



**Dr. Ananda Dasgupta, Professor,
IISER Kolkata, India**

Topic: Sherlock Holmes meets Schrodinger's Cat.

CONTRIBUTORY SPEAKER-1, Time: 11:00 am to 11:20 am, IST



**Dr. Somenath Jalal, Asst. Prof, Netaji
Mahavidyalaya, Hooghly, India**

Topic: Duality between 2D Classical Ising model and 1D Quantum Ising model: Story of topological phase transition.

CONTRIBUTORY SPEAKER-2, Time: 11:30 am to 11:50 am, IST



**Dr. Amit Dey, Asst. Prof, Ramananda
College, Bankura, India**

Topic: Cavity-QED based stimulated Raman adiabatic passage

Short Presentation-3, Time: 12:00 pm to 12:10 pm, IST.

Mr. Rajdip Banerjee, B.Sc.(H) Student, AKPCM.
Topic: Quantum Tunnelling – A World of possibilities.

Short Presentation-4, Time: 12:20 pm to 12:30 pm, IST.

Dr. Shampa Mondal, Asst. Prof., AKPCM.
Topic: Thin Film as Supercapacitor.

***Online Platform: Google meet. E-Certificates to be provided to the attendees.**

Organizing Committee

- ❖ **Chairperson:** Dr. Paramartha Ghosh, Principal, AKPCM.
- ❖ **Co-Chairperson:** Dr. Ashis Kar, IQAC coordinator, AKPCM.
- ❖ **Convener:** Dr. Satyaki Kar, Asst. Prof., Dept of Physics, AKPCM.
- ❖ **Secretary:** Mr. Rajib Kumar Mandal, Asst. Prof., Dept of Physics, AKPCM.
- ❖ **Joint Secretary:** Dr. Shampa Mondal, Asst. Prof., Dept of Physics, AKPCM.
- ❖ **Coordinators:** Mr. Surajit Guin, SACT, Dept of Physics, AKPCM.
Mr. Ashis Mondal, SACT, Dept of Physics, AKPCM.
- ❖ **Technical Support:** Dr. Sourav Halder, Asst. Prof., Dept. of Mathematics, AKPCM.