



Online Lecture Series on Advances in Physical Sciences

9th – 13th August 2021

Organized by

**Department of Physics, Central University of Jharkhand,
Cheri-Manatu, Kamre, Kanke, Ranchi, Jharkhand-835222**

Pursuit of physics remains one of the fundamental practices in basic science research. The endeavors undertaken therein aspire to understand the behavior of systems ranging from those existing in the femto-scale, such as the nuclei, to entities as macro as those in the cosmos. The progress of knowledge in these diverse domains has been phenomenal over the last century. These many accomplishments have been chaperoned by the development of experimental facilities and techniques as well as breakthroughs in the computational capabilities. Currently we are the privileged witnesses of a surge underway in the frontiers of physics research where the physical laws, known for decades, are actually being put to test and new understanding, on the varied manifestations of physical systems, are emergent. It is exhilarating to realize that the impact of these feats are not limited to intellectual advancement of humankind but can go a long way to engineer our lives and being in time to come. Such attainment, however, requires that the impetus to take up basic science research remains enkindled in the young and blooming minds across the academia.

The Department of Physics at the Central University of Jharkhand is hosting a lecture series on Advances in Physical Sciences, as a modest effort towards building up the interest. The lectures are intended to commence with the fundamentals of the respective subject and lead the audience through its advances. The different areas to be talked about include Nuclear Physics, Condensed Matter Physics, Optics and Nanophotonics, Electronics etc. The target audience of the event, primarily, would be Post-Graduate Students of Physics, along with Research Scholars, Post-Doctoral Researchers and Faculty Members working in the field. There is no registration fee. It is envisaged to have two lectures (around 45 minutes duration) per day. The lectures are expected to commence at 15:00 hours. Please register before 7th August 2021 using the Google form link given below.

<https://forms.gle/891pQFGjHFAjEbD69>

The exact platform for hosting the lectures and the resources along with other details shall be eventually communicated to the registered participants via email.

The Central University of Jharkhand, started with a vision to specially focus on relevant present age educational drives with an emphasis on research in cutting edge technologies. It offers M.Sc. in Physics, Post graduate and Ph.D. programmes in almost all its Schools/ Centres of studies. The University is open to new ideas in course curricula and research proposals, collaboration, interaction and capacity building programmes. The University aims to nurture and promote multi-disciplinary research spanning across the domains of science.

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Prof. Kshiti Bhusan Das, Hon'ble Vice-Chancellor, CUJ, Ranchi

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