



# International Seminar



**Prof. Dr. habil. Hans-Jürgen Wollersheim, Senior Scientist**  
**GSI Helmholtzzentrum für Schwerionenforschung, Planckstrasse 1, D-64291**  
**Darmstadt, Germany**

## International accelerator facility FAIR – the Universe in the Lab

### Abstract

FAIR is a new, unique international accelerator facility for the research with antiprotons and ions which will be erected at GSI. Various teams of finest engineers and scientists are working with a thrust to understand the evolution of the Universe 13.8 billion years ago. The Republic of India signed the FAIR convention on 4 October 2010, and declared its contribution to the FAIR accelerator facility. All internship, traineeship, sandwich Ph.D. and postdoc projects are integrated into work packages for FAIR. That means that you will literally get involved with FAIR, one of the most exciting research projects on the globe. GSI Helmholtzzentrum für Schwerionenforschung GmbH operates a unique large-scale accelerator for heavy ions. Researchers from around the world use this facility for experiments that help them make fascinating discoveries in basic research. In addition, they continually develop new and impressive applications. GSI is the birthplace of a new form of cancer treatment that selectively damages tumor tissues while sparing the surrounding healthy tissues. An overview of the experimental technique will be given and outstanding results will be discussed.

by

**Lumen Society**

**Department of Physics and Electronics**

**Hansraj College, University of Delhi**

**under the aegis of Research and Development Cell and IQAC**

**Date & Time: December 09, 2022 12Noon**

**Venue: Old Seminar Hall, Hansraj College**

**Dr Amit Sehgal**  
**Convener**

**Dr Pradeep Kumar**  
**Co-Convener**

**Dr Jnaneswari Gellanki**  
**Coordinator**

**Ms Alka Kacker**  
**Director, RDC**

**Dr Mona Bhatnagar**  
**Director, IQAC**

**Prof Rama**  
**Principal**