



PUSHING THE FRONTIERS OF SCIENCE

## Project: Facility for Antiproton and Ion Research (FAIR)

Mr. Jörg Blaurock, Technical Managing Director of GSI and FAIR  
FAIR – Universe in the Lab



### Abstract:

- The particle accelerator facility FAIR (Facility for Antiproton and Ion Research) in Darmstadt, Germany, is one of the world's largest and most complex construction projects for cutting-edge international research. At FAIR, matter that usually only exists in the depth of space will be produced in the laboratory. In outstanding experiments scientists from all over the world will gain new insights into the structure of matter and the evolution of the universe from the Big Bang to the present.
- Construction began in the summer of 2017. Unique building structures are being erected on a 20-hectare site to house and operate high-tech research equipment. Cutting-edge technologies and innovative measuring methods and techniques are being developed for FAIR. In order to create the acceleration and experimental facilities, high-level scientists, engineers, and other experts are working in international partnership to advance new technological developments.
- FAIR is a multinational project with an investment volume of well over one billion euros, which is financed by the partner countries. India is one of the shareholders of the FAIR GmbH and participates in the FAIR project through numerous in-kind contributions for the accelerators and several experiments. It is one of the founding members of FAIR and carries a fundamental role in the project.

### About the Speaker:

- Jörg Blaurock is the first joint Technical Managing Director of the GSI Helmholtzzentrum für Schwerionenforschung GmbH (GSI Helmholtz Centre for Heavy Ion Research) and the Facility for Antiproton and Ion Research in Europe GmbH (FAIR GmbH). Prior to this he has been working in international large-scale plant construction for over 20 years, overseeing full planning, delivery, assembly and commissioning of large technical facilities worldwide. Jörg Blaurock, born in 1964, studied mechanical engineering at the Helmut Schmidt University in Hamburg during his career as an officer in the Bundeswehr, where he worked until 1994. He went on to work for large scale plant construction firms Uhde GmbH and Lurgi GmbH in the turnkey production of petrochemical industrial plants at various international locations. In 2007 he joined Alstom, today General Electric, where he worked in a number of positions – most recently for General Electric Deutschland GmbH in Stuttgart. There, as Managing Director he was responsible for the turnkey delivery of utility steam generators for electricity-generating fossil-fuel power stations.

