



BOSE INSTITUTE COLLOQUIUM

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Main Auditorium, Unified Academic Campus
Bose Institute



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Title and Abstract :

Unlocking secrets of the Universe with Science and Technology, why should you care!

Imagine a life without the words www or http? They emerged one fine day from a scientific laboratory! The Large Hadron Collider (LHC) at CERN Geneva, Switzerland is home to thousands of high energy physicists. By exploiting large, sophisticated radiation sensors, designed and constructed over decades we are cumulatively seeking answers to questions about the origin, evolution and composition of our universe. At this forefront of scientific pursuit, working hand in hand with industries, spin off technologies have completely changed our lives. With the world wide web, medical imaging, diagnostic and treatment techniques, high-performance computing, space exploration, art restoration to name a few - the audacious, innovative cutting-edge technologies of nuclear and particle physics have entered and transformed mainstream society. In this talk I will trace the adventure of scientific knowledge and technology transfer at CERN and how we can collectively fight pandemics, unknown and some known catastrophes and silent challenges like cancer.