

Science Day Celebration

Department of Physics, IIT Guwahati

27th February, 2021

FUTURE OF SCIENCE TECHNOLOGY AND INNOVATION : IMPACTS ON EDUCATION, SKILLS AND WORK



Session I

Opening session

10:00: Inaugural address by HOD

10:05: Keynote lecture: **Prof. Shobhana Narsimhan**, JNCASR, Bangalore

The Role of Science and Scientists in Shaping India's Future

Session II

Breakthrough & innovations at IIT Guwahati

11:00: **Prof. Bosanta Ranjan Boruah**, IIT Guwahati

Robust free space optical communication using orthogonal aberration modes

11:30: **Dr. Sovan Chakraborty**, IIT Guwahati

Supernovae neutrinos: A Flavor-full Test

Session III

Students achievements

12:05: **Dr. Joydeep Ghosh**, IIT Guwahati

Solid-State Synthesis of Color Tunable Cesium Lead Halide Perovskite Nanocrystals and Mechanism of High-Performance Photodetection in a Monolayer MoS₂/CsPbBr₃ Vertical Heterojunction

12:20: **Mr. Jyotirmoi Borah**, IIT Guwahati

Search for rare decay processes using the Belle Detector

12:40 **Concluding remarks**