



Einstein lectures

PUBLIC LECTURE SERIES CELEBRATING THE CENTENARY OF
ALBERT EINSTEIN'S GENERAL THEORY OF RELATIVITY

Einstein lecture by

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Black Holes and Holography

This talk will be a basic introduction to the physics of black holes and one theme in modern theoretical physics - holography - which was inspired by their study. We will explore how, from initially being considered unphysical solutions of Einstein's theory of gravity, black holes were eventually recognized as truly remarkable astrophysical objects.

We will see how black holes provide a fascinating theoretical laboratory of quantum gravity and are, rather uniquely, at the intersection of quantum, relativistic, gravitational and statistical physics. We will also try and highlight how several contemporary themes in gravitational physics - both theoretical and experimental - centre around these unique objects. The prerequisite will be a basic undergraduate level physics education.

22 October 2019 (Tuesday) at 11:30 am

I-view studio, Department of Civil
Engineering, First Floor, NIT Jalandhar,
Punjab -144011.



Amin is a theoretical physicist working on various aspects of quantum field theory and specialises in the study of conformal field theories. He is also interested in the physics of quantum information, black holes and several topics in statistical mechanics.

He obtained a BSc (Hons.) in physics from AMU, Aligarh and went on to do his Masters and PhD in Theoretical Physics from the University of Cambridge, UK. After postdoctoral research work at ICTS-TIFR, Bengaluru for a few years, he took up his current position as assistant professor in Ashoka University.

