

The Virginia Tech Physics Department presents the following colloquium:

Prof. Sumit Das
(University of Kentucky)

“Holograms, Black Holes and Big Bangs”

Abstract:

Recent advances in String Theory indicate that theories of quantum gravity have equivalent holographic descriptions in terms of non-gravitational theories which live in lower number of dimensions. In this approach, space and time are not fundamental entities, but emergent concepts valid at low energies. This holographic viewpoint has been successfully used to understand puzzling aspects of Hawking radiation from black holes and is beginning to provide insights into the nature of cosmological singularities. This talk will review some aspects of these developments.

Fri., April 6
210 Robeson Hall
2:30 P.M.