UCLA **Mani L. Bhaumik Institute for Theoretical Physics**

Location: **California NanoSystems Institute (CNSI)**

Date: **Tuesday, March 17, 2020**

Time: **4:00PM**

Daniel Z. Freedman

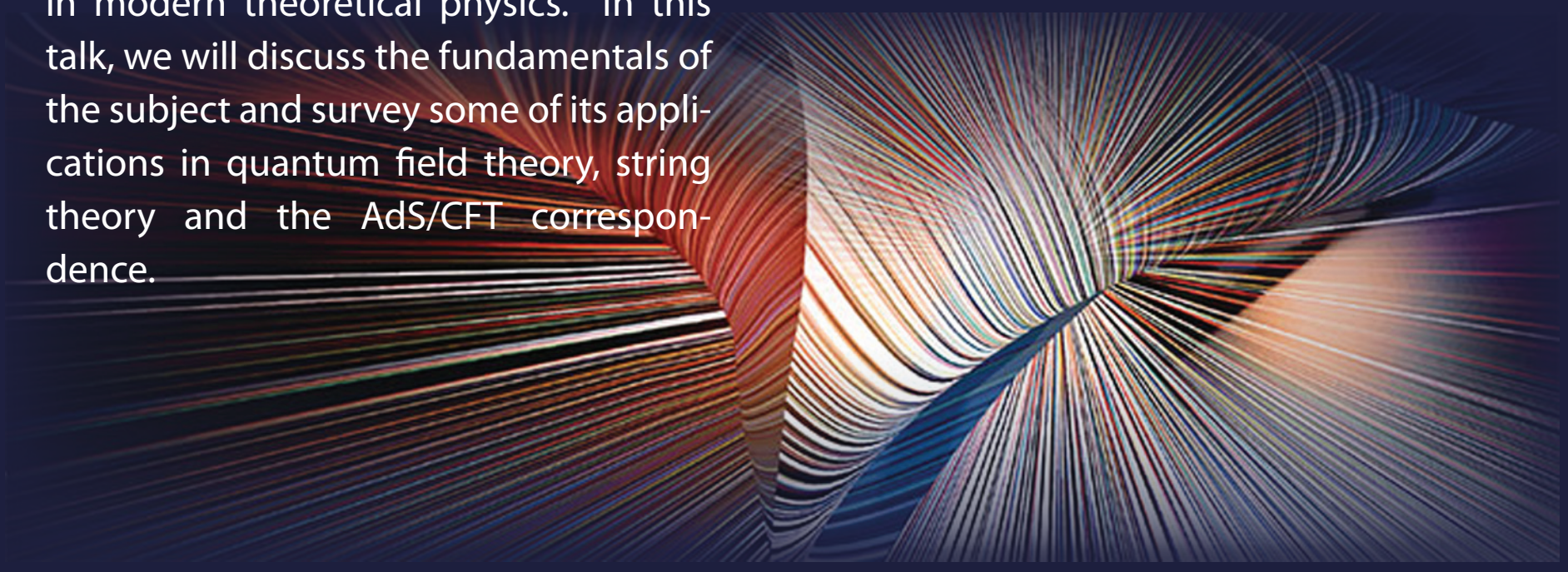
Emeritus Professor of Physics and Applied Mathematics
Massachusetts Institute of Technology (MIT)

Visiting professor at Stanford University.

Co-recipient of 2019 Special Breakthrough Prize for Discovery of Supergravity

SUPERGRAVITY, WHAT IT IS (AND WHAT IT ISN'T)

The N=1 supergravity theory in D=4 dimensional spacetime was formulated in 1976. The basic theory and its extensions have had many, many applications in modern theoretical physics. In this talk, we will discuss the fundamentals of the subject and survey some of its applications in quantum field theory, string theory and the AdS/CFT correspondence.



Bhaumik Tea refreshments will start at 3:30pm in the CNSI lobby.