Lisa Randall, PhD

Professor of Theoretical Physics (Harvard University)

Lisa Randall, PhD is Professor of Theoretical Physics at Harvard University. Her research concerns the fundamental nature of particles and forces and the relationships among matter's most basic elements. Prof. Randall has worked on a wide variety of models and theories, the most recent of which involve extra dimensions of space. She has also worked on supersymmetry, Standard Model observables, cosmological inflation, baryogenesis, grand unified theories, and aspects of string theory. She has made seminal contributions in all these areas and as of last autumn, was the most cited theoretical physicist of the past five years. Professor Randall earned her PhD from Harvard University and went onto professorships at MIT and Princeton University before returning to Harvard. She is a member of the American Academy of Arts and Sciences, a fellow of the American Physical Society, and is a past winner of an Alfred P. Sloan Foundation Research Fellowship and the Westinghouse (now Intel) Science Talent Search. Dr. Randall commented that "There are as yet unsolved problems in the nature of intermolecular interactions at the protein and nucleic acid level that pertain directly to the effectiveness of pharmaceuticals, drug-device combinations and medical nanotechnology. I am very excited about the possibility of applying the concepts and techniques of advanced physics to these very important questions." Dr. Gurel added that "the appointment of Prof. Randall will add a completely new and valuable dimension to our ability to innovatively as well as rigorously approach the challenges of the future."