



# Einstein lectures

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

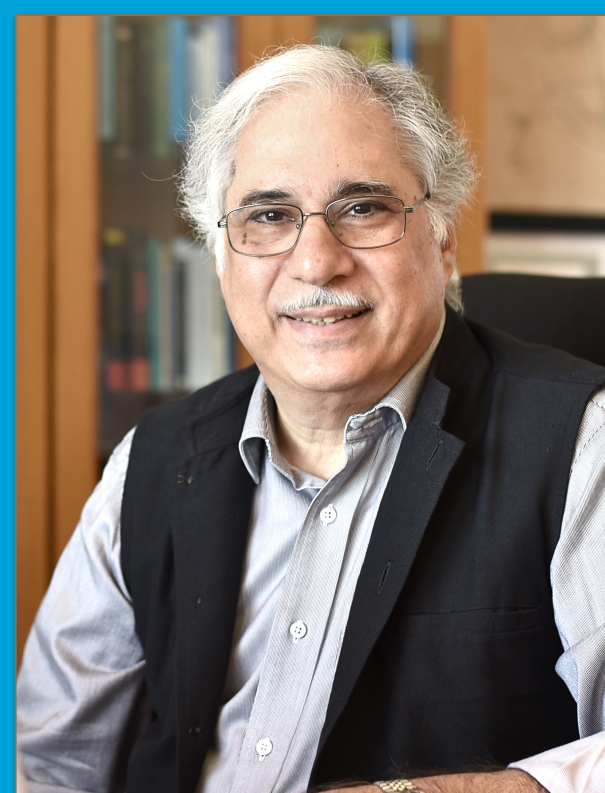
Public lecture by

## Spenta R. Wadia

*International Centre for Theoretical Sciences, Bengaluru*

## Space-time and Gravity: From Newton to Hawking and Beyond

This talk will be about the evolution of our ideas of space, time and gravity from Newtonian physics to its radical modification by Einstein in the special and general theories of relativity. Black holes are predictions of Einstein's theory and their existence leads to important paradoxes when quantum effects are taken into account. In the resolution of these paradoxes we deepen our understanding about the structure of space-time and gravitation.



Spenta R. Wadia is the Infosys Homi Bhabha Chair Professor and Founding Director of the International Centre for Theoretical Sciences (ICTS) of TIFR in Bangalore. He is an alumnus of St Xavier's College Mumbai, IIT-Kanpur, the City University of New York and the University of Chicago. He was a visiting member of IAS Princeton, USA during 1990-1992; CERN Geneva, during 1996-1997 and 2003-2004. His research interests are in elementary particle physics, string theory, and quantum gravity. His other scientific interests are in complex systems including cross-disciplinary biology. He is a recipient of the 2004 TWAS Physics Prize, the 1995 ICTP Physics Prize and the J. C. Bose Fellowship of the Govt of India. He is an elected member of TWAS, a Fellow of all the Science Academies of India, and a Distinguished Alumnus of St Xavier's College, Mumbai.

**8 October 2018 (Monday) at 11:00 am**  
Bipin Pal Seminar Hall,  
Assam University, Silchar

