

INTERNATIONAL
CENTRE *for*
THEORETICAL
SCIENCES

science without boundaries



Albert Einstein, H Yukawa, J Wheeler, and Homi Bhabha at Princeton, 1947

PUBLIC LECTURES | J N Tata Auditorium, IISc, Bangalore

Avi Wigderson
IAS, Princeton

"P versus NP" problem: Efficient computation and the limits of human knowledge
5:30 pm, 27 December 2009

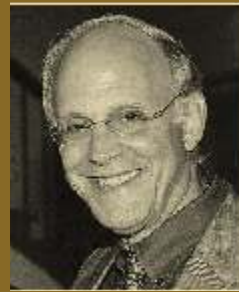


Professor Avi Wigderson is widely recognized as an authority in the diverse and evolving field of theoretical computer science. His main research work is in the

area of computational complexity theory, especially in understanding the interconnections between hardness of computation and randomness. Professor Avi Wigderson is the Herbert H. Maass Professor in the School of Mathematics, Institute for Advanced Study, Princeton. Professor Wigderson is the recipient of the Nevanlinna Prize, the Yoram Ben-Porat Presidential Prize for Outstanding Researcher, the Conant Prize, and the Godel Prize.

David Gross
KITP, Santa Barbara

The Role of Theory in Science
5:30 pm, 28 December 2009

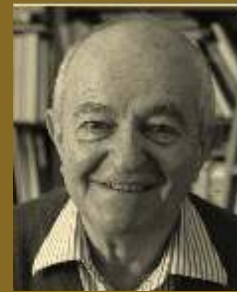


Professor David Gross, Nobel Laureate, is a co-discoverer of asymptotic freedom and one of the chief architects of the fundamental theory of the strong force

which describes the properties of strongly interacting particles and nuclear physics. He has also made fundamental contributions to string theory which is a framework for the study of quantum gravity and the fundamental laws of nature. He is currently Director and Frederick W. Gluck Professor at the Kavli Institute for Theoretical Physics, University of California at Santa Barbara. He has been a MacArthur Fellow and a recipient of the 2004 Nobel Prize for Physics.

Albert Libchaber
Rockefeller University

The Origin of Life: From Geophysics to Biology?
5:30 pm, 30 December 2009



Professor Albert Libchaber is a distinguished physicist and biologist. He has made fundamental experimental contributions to fluid dynamics and the onset

of turbulence. His current research centers on questions concerning the origin of life. He studies mathematical patterns in biology at both the organismal and the cellular and molecular levels. He is presently Detlev W. Bronk Professor in the Laboratory of Experimental Condensed Matter Physics at the Rockefeller University. He has been a MacArthur Fellow, a recipient of the Wolf Prize in 1986 and Prix des Trois Physiciens from the Foundation of France in 1999. He is a fellow of the French Academy of Sciences and the National Academy of Sciences, USA.

ALL ARE WELCOME

Buses have been arranged from select locations in the city. Please email us for details.