



INVITATION



Indian Institute of Science Education and Research Pune
cordially invites you for the

12th Foundation Day Lecture *Geometric phase transitions*

to be delivered by

Prof. Deepak Dhar

NASI Senior Scientist and
Distinguished Emeritus Professor, IISER Pune

On

Saturday, April 9, 2022 at 11 am

Venue

C. V. Raman Auditorium
Lecture Hall Complex, IISER Pune

RSVP : 020-25908009





Prof. Deepak Dhar

Deepak Dhar was born on October 30, 1951 at Pratapgarh, Uttar Pradesh. He obtained his Bachelor of Science degree from the University of Allahabad in 1970, and received his Master's degree in Physics from Indian Institute of Technology, Kanpur in 1972.

For his Ph.D., he went to California Institute of Technology, Pasadena. During his graduate student years at Caltech, he was once a teaching assistant for a graduate course on advanced quantum mechanics taught by R.P. Feynman, which he describes as an unforgettable experience. For his Ph.D. thesis, he worked under the supervision of Professor Jon Mathews. He proposed a model of melting of solids, and studied the critical behaviour on fractals using exact renormalization group equations. He was the first to define the spectral dimension of fractals.

After finishing his Ph.D., he returned to India, and joined Tata Institute of Fundamental Research in Mumbai as a post-doc in 1978, and became a regular faculty member in 1980. After his retirement from TIFR in 2016, he is currently NASI-Senior Scientist and Distinguished Emeritus Professor at IISER Pune.

Dhar's research work has been in the area of statistical physics. He is known for his work on the abelian sandpile model of self-organized criticality, fractals, slow relaxation in magnets, percolation and animal problems, and growth models.

Dhar is a Fellow of the Indian Academy of Sciences, Indian National Science Academy, and of the National Academy of Sciences. He is the recipient of the Young Scientist Award (1983), Shanti Swarup Bhatnagar Prize in Physics (1991), the J.R. Schrieffer Prize of the I.C.T.P. (1993), the S.N. Bose Medal of the Indian National Science Academy (2001), and the T.W.A.S. Award in Physics (2003), and the Boltzmann Medal (2022).

Programme

1100 hrs	Welcome of Dignitaries
1105 hrs	Director's Report
1115 hrs	Introduction of the Keynote Speaker
1120 hrs	Foundation Day Lecture by Prof. Deepak Dhar
1200 hrs	Foundation Day Awards to Students, Faculty and Staff
1220 hrs	Vote of Thanks by Registrar, IISER Pune

Kindly be seated by 1050 hrs.
Please switch off your mobile before entering the venue.

