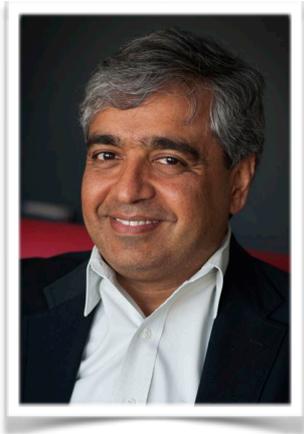


Dirac Medal to Subir Sachdev



Prof. Subir Sachdev of Harvard University, who holds the Homi Bhabha Chair at the TIFR, has been awarded the prestigious ICTP Dirac Medal for the year 2018 along with two other prominent theoretical physicists, Dam Thanh Son of the University of Chicago, and Xiao-Gang Wen of the Massachusetts Institute of Technology.

Prof. Sachdev has been honoured by International Centre for Theoretical Physics, Trieste, for his contributions to several of the most exciting developments in condensed matter theory over the last three decades. These include the development of the theory of quantum critical phenomena in insulators, superconductors and metals; the theory of spin-liquid states of quantum antiferromagnets and the theory of fractionalized phases of matter; the study of novel deconfinement phase transitions; the theory of quantum matter without quasiparticles; and the application of many of these ideas to a priori unrelated problems in black hole physics, including a concrete model of non-Fermi liquids.

Prof. Sachdev, whose early education was at Bengaluru and IIT Delhi, has a distinguished career, studded with many awards and honours. A graduate of MIT and a Ph.D. in theoretical physics from Harvard University, he was on the faculty of Yale University for 18 years before joining Harvard University as a Professor in 2005. His research interests lie mainly in the field of statistical and condensed matter physics, especially phase transitions and their relation to quantum entanglement. He has been a pioneer in establishing links between the theory of phase transitions, and that of the quantum states of black hole. His bold ideas and insights have been recognized by the award of several professorial chairs, including the Herchel Smith Professorship at Harvard, which he now holds, the Cenovus James Clerk Maxwell Chair in Theoretical Physics at the Perimeter Institute, and the Dr. Homi J. Bhabha Chair at TIFR. He was a recipient of the Dirac Medal of Australian Institute of Physics in 2015, and the Lars Onsager Award in 2018. He was elected a Fellow of the U. S. National Academy of Sciences in 2014. Professor Sachdev has always been in close

academic contact with TIFR and TIFR scientists, including serving on the International Advisory Board of ICTS-TIFR, and he has visited TIFR several times.

The Dirac medal, awarded in honour of the great physicist P. A. M. Dirac, is the highest honour of the Abdus Salam International Center for Theoretical Physics. It is awarded annually on Dirac's birthday (August 8) for groundbreaking contributions to theoretical physics. Many past Dirac medallists have proceeded to go on and win prestigious awards like the Nobel Prize, the Wolf Prize and the Fields Medal (by tradition the Dirac medal is never awarded to previous recipients of these prizes).