

Biography

Ranjan Chaudhury did his PhD from Tata Institute of Fundamental Research, Mumbai, India in 1988. He did his Post-Doctoral work at ICTP (Trieste, Italy), McMaster University (Hamilton, Canada), University of Minnesota (Minneapolis, USA) and CNRS (Grenoble, France). He was also a Visiting Scientist at BLTP, JINR (Dubna, Russia) and a Visiting Professor at AUST (Abuja) under NMI (Washington DC, USA). He is at present a Professor (Associate) at SNBNCBS, Kolkata, India. He has published about 40 papers in internationally reputed journals and in addition has about 20 scientific publications of other types. Besides, he is about to complete writing an advanced reference text book on condensed matter physics and related interdisciplinary problems. He is a theoretical condensed matter physicist with research contributions in the areas of magnetism, superconductivity, strongly correlated electronic systems, quantum many-body physics, quantum field theory-condensed matter physics interface and molecular bio-physics with condensed matter physics based modelling. The notable amongst these are microscopic theories for high temperature superconductivity, mechanism for superconducting pairing in various low dimensional superconductors, spin dynamics of magnetic systems, field theoretical and phenomenological characterization of topological excitations in low dimensional quantum spin models, understanding of the strongly correlated doped quantum anti-ferromagnets in low dimensions along with anomalous normal phases of cuprate superconductors and quantum modelling of various bio-physical processes like DNA mutation. He has been a recipient of many awards and honours which include NSTS scholarship (NCERT, New Delhi, India in 1976), biography published by Marquis Who's Who in the World (New Jersey, USA in 1999 (16th Edition) and 2011(28th Edition)), Marquis Who's Who in the Asia (New Jersey, USA in 2007 (1st Edition)), Bharat Gaurav Award (IIFS, New Delhi, India in 2014) and International Scientist of the Year 2007 (IBC, Cambridge, UK in 2007). He has also been a member of various scientific academies and societies such as American Chemical Society, Physics Division (USA) since 2010, New York Academy of Sciences (USA) during 1996-1997, Rayonnement du CNRS (France) since 1995 and a research fellow of Minnesota Supercomputer Institute (USA) since 1992.