

Short Profile of Dr. Santanu K. Maiti



Santanu K. Maiti is an Assistant Professor of Physics at Indian Statistical Institute, Kolkata, India. He has received his Master's degree in Physics from the University of Calcutta, India, in 2000 and then in 2001 he joined to Saha Institute of Nuclear Physics (SINP), India. After completion of one year Associateship course at SINP, he started his PhD work at the Theoretical Condensed Matter Physics Division of SINP and awarded PhD degree in 2008. His research interests mainly focus on Quantum Transport in Meso-scale and Nano-scale Systems. He has published several papers in peer-reviewed International Journals, out of which more than sixty five papers he published independently and did almost over hundred presentations in National and International Conferences. He has also published many Reviews, co-edited a Book in Springer Series and contributed a chapter to a Book. He has also been working as Associate Editor, Section Editor as well as Editorial Board Member in several International Journals over the past many years.

Research Interests

Quantum transport in closed loops, Quantum transport in molecular bridge systems, Spin transport in magnetic systems, Multi-terminal conductance formulation, Mean Field Calculation, NEGF technique: Keldysh formalism, Density matrix renormalization group (DMRG), Thermoelectric effects in nanoscale junctions.

Contact Details

Physics and Applied Mathematics Unit, Indian Statistical Institute, 203 Barrackpore Trunk Road, Kolkata-700 108, West Bengal, India

E-mail: santanu.maiti@isical.ac.in

Voice: + 91-33-2575-3023

Fax: + 91-33-2577-3026