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2. Higher Education

Degree	Institution	Awarded	Subjects/Major
Ph. D	Physics Department, Indian Institute of Science, Bangalore, India	03/1998	<u>Condensed Mater Physics (Experiment)</u> (on Amorphous and nano-carbon)
M Sc.	Science College, Calcutta University	02/ 1993	Pure <u>Physics</u> (special in High Energy)

3. Employment history

YEAR	Position held/ Organization	Main Research interest(s)
2007-08	Senior Lecturer, Physics, Witwatersrand	Transport properties and nano-electronics
2003-07	Research Fellow, ATI, University of Surrey	Nano-Carbon based quantum devices
2001	Assistant Professor IIT Kanpur, India	Optical properties of Silicon Nanowires, transport in nano-diamond + Teaching
2000	Research Associate, Materials Science Division, Argonne National Laboratory, USA	Ultrananocrystalline diamond, Field Emission, Low-T Transport properties, ESR, HRTEM
1998-99	Alexander Humboldt Fellow, Institute of Physics, Technical University of Chemnitz, Germany	Nanostructure of N-doped carbon by HRTEM, EELS, STM/STS and transport measurements

4. Awards and Grants (Major)

- National Nanotechnology Flagship Program by NRF (SA) in 2008 (over 2.2 million Rand)
 - National Nanotechnology Equipment Program by NRF (SA) in 2008 (over 2.1 million Rand)
 - The Alexander von Humboldt Scholarship, 1998 in Germany
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- Research interest
Nanomaterials, Nanoelectronics and Carbon-based electronic devices

Publication

Over Forty Journal papers, three book chapters.