Brief bio (July 2013)

Professor Arindam Ghosh is an Associate Professor at the Department of Physics, Indian Institute of Science. He did his PhD at the Indian Institute of Science on probing metal-insulator transition and Coulomb interaction effect in doped semiconductors in 2000, following which he worked in Cambridge University, UK, as a post doctoral researcher. His current research interests include the transport properties of two-dimensional electronic systems in semiconductors, carbon-based low-dimensional systems, optoelectronic properties of atomically-thin semiconductor membranes, magnetic nanostructures, and structural stability of nanoscale systems such as metallic nanowires and nanoparticles. The technical expertise of his research group lies in detection and measurement of ultra-low level electrical signals, and wideband “noise” measurements down to milliKelvin temperatures. Professor Ghosh has published more than hundred papers in International journals and conferences, including the Physical Review Letters, and Nature Physics. He is a member of the American Physical Society, Indian Physics Association, Programme Review Committee of the International Center for Theoretical Sciences, and Advisory Committee of IOP Publishing Asia Pacific. He is also a reviewer for various journals including those from the American Chemical Society, American Physical Society, and the American Institute of Physics. He has received numerous awards including Indian Institute of Science Alumni Association scholarship (1992), The UK-India Education and Research Initiative award (2006), IBM-IUSSTF visiting fellowship in Nanotechnology (2008), SwarnaJayanti Fellowship, Government of India (2008), the Material Research Society of India Medal (2012) and the Shanti Swarup Bhatnagar Prize in 2012.