

Brief bio-sketch of Professor Tara Prasad Das

Education

Bachelor of Science (Honors) from Patna University, India (1949); Master of Science, Calcutta University, India (1951); Doctor of Philosophy (Ph.D.), from Saha Institute of Nuclear Physics, Calcutta University, India (1955) with thesis entitled "Principles and Theory of Nuclear Magnetic Resonance Experiment"

Post-Doctoral positions and short term appointments

1955-1961: One year at Chemistry Department, Cornell University, one year at Physics Department, University of California Berkeley, one year as Reader (Associate Professor) at Saha Institute of Nuclear Physics at Calcutta University, one year each as Research Assistant Professor in the Physics Department at University of Illinois at Urbana and Research Associate in the Chemistry Department at Columbia University and one year as Senior Research Officer at Bhabha Atomic Research Establishment at Bombay (Mumbai), India

Permanent positions

Associate Professor and Professor, Department of Physics, University of California, Riverside (1961-`65) and (1965-`69) respectively, Professor, Department of Physics, University of Utah, Salt Lake City (1969-`71), Professor, Department of Physics, State University of New York at Albany (1971 to 2013) and Professor Emeritus, Department of Physics, State University of New York at Albany (2013 to 2017)

Visiting positions

Sabbatical leaves and Summer positions either as Visiting Professor or Research Scientist, at Department of Physics, Université Paris Sud-Orsay, France, Atomic Energy Research Establishment, Harwell, England, Institut Laue-Langevin in Grenoble, France, Institut für Physikalische Chemie, Technische Hochschule Darmstadt, Germany, University of Florida, Gainesville, Florida, Eidgenössische Technische Hochschule, Zürich, Switzerland, Institut für Atom Physik, Universität Mainz, Germany, Institute of Physics, University of Århus, Denmark, Faculty of Science, University of Tokyo, Japan, School of Physics, Central University of Hyderabad, India, Institut für Physik, Universität Zürich, Switzerland, Muon Science Laboratory, Institute of Physical and Chemical Research (RIKEN), Japan as Eminent Scientist, Meson Science Laboratory, High Energy Accelerator Research Organization (KEK) as Monbusho Senior Visiting Scientist, and Visiting Professorship in the Physics Department, University of Central Florida, Orlando

Honors and Awards:

US Senior Scientist Award, Alexander von Humboldt Foundation, Germany (twice); Yamada Science Foundation Award, Japan; Presidential Excellence in Research Award (SUNY at Albany); Jawaharlal Nehru Visiting Professorship, Central University of Hyderabad, India; Eminent Scientist Award at Institute of Physical and Chemical Research (RIKEN) Japan; Monbusho (Ministry of Science, Education, Culture and Sports, Japan) Visiting Foreign Scientist Award

Membership in Professional Societies:

Fellow, American Physical Society; Member of New York Academy of Sciences, Biophysical Society (US), National Society of Atomic and Molecular Physics, India and Orissa Science Academy, India

Research Interests:

First-principle understanding of atomic, molecular, condensed matter (including bulk and surface properties and systems of interest in materials research) and biological systems to explain their geometric, spectroscopic (including optical, infrared, ultraviolet and X-ray), magnetic and hyperfine properties. Use of theoretical predictions of the relevant properties of systems with results of experimental measurement and in partnership with experimental groups to obtain and enhance the understanding of the mechanisms and factors contributing to the origins and natures of the properties involved.

Doctoral Students and post-doctoral associates

Mentored 52-53 Doctoral students and 18 Post-doctoral associates

Publication

More than 380 peer reviewed journal articles, 3 books, 15 book chapters and numerous published abstracts and conference proceedings