

Curriculum Vitae

Ramesh Chandra Gupta

Senior Scientist and Head Magnet Science Group
Building 902A, Brookhaven National Laboratory, Upton, NY 11973
Tel: (631) 344-4805/ Email: gupta@bnl.gov
<https://wpw.bnl.gov/rgupta/>

Summary of Work Experience and Research Interests

Major Areas of Current Interest:

- Lead R&D activities on High Temperature Superconducting (HTS) magnets for a variety of applications, including particle accelerators, beam lines, energy storage and fusion energy systems ([please visit website listed above](#)).
- Demonstrate viability of HTS magnets for “high field, low temperatures”, “medium, medium temperatures” and “low field and high temperatures” applications.
- Develop traditional and innovative magnet designs for dipoles, quadrupoles and solenoid magnets for a variety of applications based on low temperature and high temperature superconductors as well as copper coils and permanent magnets.
- Principal Investigator of many magnets R&D programs in collaboration with several institutions, including private industries.

Employment History

| | |
|---|---|
| Senior Scientist 2017 – Present | Brookhaven National Lab - Upton, NY 11973 |
| Scientist 1999 – 2017 | Brookhaven National Lab - Upton, NY 11973 |
| Staff Scientist 1997 – 1999 | Lawrence Berkeley Laboratory - Berkeley, CA 94720 |
| Physics Associate 1984 – 1997 | Brookhaven National Lab - Upton, NY 11973 |
| Scientific Officer 1978 - 1982 | Variable Energy Cyclotron Center – India 700064 |

Academic Background

- University of Rajasthan and Brookhaven National Laboratory, Ph.D. (Physics), 1998
- University of Manitoba, Canada – M.S. (Accelerator Physics), 1983
- University of Rajasthan, India – M.Sc. (Physics), 1977