

Curriculum Vitae

Ramesh Chandra Gupta

Senior Scientist and Head Magnet Science Group
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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.
- 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 with copper coils and permanent magnets.
- Principal Investigator of many magnets R&D programs in collaborations 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