



UNIVERSITY OF SOUTH CAROLINA

COLUMBIA, S.C. 29208

February 11, 1991

DEPARTMENT OF PHYSICS AND ASTRONOMY

Officer in Charge
U. S. Immigration and Naturalization Service
Southern Regional Service Center
Dallas, Texas

Dear Immigration Official:

This letter is submitted in support of our H1 petition on behalf of Animesh Chakraborty. Dr. Chakraborty is a citizen of India, presently residing in Columbia, South Carolina. Dr. Chakraborty was educated at the Ohio State University and received a Ph.D. in physics on August 30, 1990.

Since that time Dr. Chakraborty has concentrated on the thermodynamic properties of magnetic systems with particular emphasis on oxide materials. As part of his research program he designed, built, and implemented a specific heat apparatus for measuring the specific heat using a drift technique over a temperature range of 2K to 12K and in magnetic fields from ambient field through to 7T. He was very successful and has achieved state-of-the-art data using this technique. Dr. Chakraborty has also become expert in susceptibility measurements requiring expertise in cryogenics, vacuum technology, electronics, data acquisition, and reduction. He was active with several research experiments that were underway at the High Flux Beam at Brookhaven National Laboratory. Most of his work has appeared in scientific journals and conference presentations.

The University of South Carolina presently requires the temporary services of an individual to assist in an experimental research program on magnetic and thermodynamic properties of oxide-based metals currently in progress in this department. In addition, this position requires teaching responsibilities at the undergraduate physics and engineering major level. A prerequisite for this position is a Ph.D. degree in physics and practical experience in susceptometry.

Dr. Chakraborty's exceptional qualifications demonstrate that he is a professional in his field and an excellent candidate for this position. The University of South Carolina would like to employ Dr. Chakraborty as a Research Assistant Professor for a period of one year.