

Research Description 2008-2009 for R.N. Compton Group

The Compton Group is funded to perform research in four areas: (1) Studies of Linear and Non-linear Optical Activity (NSF), (2) Environmental Effects of NanoMaterials (EPA), (3). Negative Ions, and (4) Hydrogen Storage in NanoMaterials (NSF IGERT). We have immediate openings for graduate students in all of these areas. The studies in (1) and (2) may involve part time studies in Denmark or Holland. These studies span the disciplines of physical, organic, analytical and inorganic chemistry. Chemistry and Physics graduate students work shoulder-to-shoulder on research projects leading to mutual benefits for all. The experimental research in all of these areas are augmented by calculations at a level commensurate with the students interests and abilities. We enjoy strong collaborations with many research groups around the world.