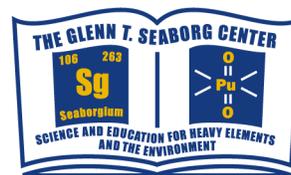




# Glenn T. Seaborg Center Seminar



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## Theoretical Approach of f-Element Chemistry

**Wednesday, May 7, 2003**

4 pm

Building 70A-3377

### **Abstract**

The theoretical approach of f-element chemistry is becoming more and more popular because it is a rather challenging problem. In particular, treatment of relativistic effects as well as chemical-size molecules made the theoretical approach difficult. We would like to present and discuss the solutions found for dealing with these problems. In particular, we would like to underline the success and limitations of this kind of approach. We will illustrate this theoretical approach by presenting some work on C-F bond activation catalyzed by organolanthanide complexes.