



## International Graduate School under the Elitenetzwerk Bayern *Structure, Reactivity, and Properties of Oxide Materials*

We have obtained funding for an International Graduate School from the State of Bavaria, under its newly initiated elite network program. In this Graduate School we will perform interdisciplinary research on oxide materials in the Earth Sciences (e.g. mineral physics), Inorganic Chemistry, and Materials Research. We will investigate relationships between crystal chemistry and structure, microstructure, reaction kinetics, and physical-chemical properties. Research projects will involve material synthesis through unconventional paths, characterization with a wide array of analytical tools, and simulation techniques.

Students in the School will be based at the University of Bayreuth (Bayerisches Geoinstitut or Institute for Inorganic Chemistry) or at the Fraunhofer Institute for Silicate Research in Würzburg. The Graduate School offers:

- Excellent research facilities
- Complementary expertise in basic and applied materials research.
- International contacts to leading research institutes all over the world.
  - A specially designed training program.
- A supportive international environment at the Institutes.
  - Competitive salaries.

We are seeking applications from excellent students with a Masters degree (or equivalent) who have a strong quantitative background in material sciences, physics, chemistry, the Earth Sciences or related fields. Students should demonstrate prior research experience. Starting dates for studentships are flexible, through to the end of 2005.

### **PhD studentships available!**

More information on the Graduate School can be found on the Graduate School's website:  
**[www.elite.uni-bayreuth.de/oxides](http://www.elite.uni-bayreuth.de/oxides)**

