Ph.D. Graduate Research Assistantship Available
Ferrihydrite nanoparticles structure and environmental reactivity.
Georgia State University, Department of Geosciences

Research: The Kabengi Research Group is seeking a highly motivated PhD student to work on an NSF-funded project investigating the role ferrihydrite nanoparticles structure plays on its reactivity in the environment. The study will combine advanced analytical techniques (e.g. flow microcalorimetry, computational chemistry and spectroscopy), with classical chemical and physical methods (e.g. pH-edges, surface characterization, electron microscopy). The candidate will work with a collaborative and supportive team of scientists and will focus on studying the energetics of chemical reactions at the surface of ferrihydrite nanoparticles.

Qualifications: The ideal candidate will have a degree and/or experience in a geochemistry related field (geosciences, soil chemistry, chemistry, chemical engineering, etc.). He/she will have strong quantitative, communication and organizational skills. The candidate will complete coursework necessary for a Ph.D. degree in Chemistry with a Geochemistry specialization, although all coursework and research activities will be in Geosciences (geosciences.gsu.edu).

Location: Georgia State University is a research-intensive public university with an enrollment of approximately 32,000 students. Located in the dynamic heart of downtown Atlanta, GSU is easily accessible by public transportation as well as by car, and our campus is convenient to a wealth of affordable housing, rich diverse entertainment, and employment options in business, research, academia and non-profit sectors.

Application: Deadline is August 15, 2016 but will remain open until a suitable candidate is identified for either Fall 16 or Spring 17. The assistantship includes a competitive generous annual stipend and a full tuition waiver. Interested candidates should send their CV, GRE and TOEFL (international students) scores, and transcripts (unofficial copy OK) via email to:

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