

The Department of Earth Sciences at IUPUI invites applications for three positions: a tenure track position in mineralogy, a lecturer in earth sciences, and an instrumentation/academic specialist.

We seek a tenure-track faculty member at the Assistant Professor level with experience in mineralogy and/or nanoparticle sciences as applied to solid earth systems or environmental geosciences and human health. A Ph.D. in earth sciences or closely related field received prior to August 2015 is required and postdoctoral experience is desirable. Candidates should have a strong research record, an interest in multidisciplinary research, the ability to initiate and sustain an externally funded research program, and a commitment to both undergraduate and graduate mineralogy education. Field-based research and teaching programs are important and preference will be given to individuals who can interface with interdisciplinary research teams in earth sciences as well as chemistry, biology and public health. Applicants for the tenure track position should submit a letter of application, curriculum vitae, statement of research interests, statement of teaching interests, and the names and contact information of at least four references. Interested individuals are encouraged to submit their application as a single PDF file to ibsz100@iupui.edu.

We also seek a full-time, non-tenure-track lecturer who has a strong commitment to excellence in teaching and mentoring students. A M.S. degree in earth sciences is required, a Ph.D. preferred. Candidates must have a record of quality teaching in physical, environmental, or historical geology and an ability and interest in teaching upper division courses. Experience with developing curriculum and specific courses such as field trips and short courses in his/her specialty is desirable. Candidates are expected to engage in scholarship of teaching and learning as well as actively serve on both departmental and university committees. Interest and ability to mentor and coordinate graduate teaching assistants is essential. Individuals with experience in instrumentation and/or data analysis as it applies to instruction in the earth sciences are strongly encouraged to apply. Applicants for the lecturer position should submit a letter of application, curriculum vitae, a statement of teaching philosophy, summaries of recent peer and student teaching evaluations if available, and at least three letters of recommendation addressing the candidate's teaching qualifications. Any other materials that document teaching experience and effectiveness are recommended. Applicants should submit these materials, in a single PDF file, to the Lecturer Search Committee at LL3@iupui.edu.

We also have an immediate opening for a full-time position as instrumentation/academic specialist. The Instrumentation and Academic Specialist will manage research instrumentation, provide departmental laboratory safety compliance, and support teaching. The primary purpose of this position is to provide assistance to the Department and faculty through oversight of the Earth Science research infrastructure, with particular focus on managing and maintaining the efficient operation of the Department's instruments (e.g. GCs, HR-ICP-MS, GC-MS, gas-source irMS, ICP-ES, CHN analyzer, and computer interfaces). The instrumentation support provided by the specialist will include handling all of the

maintenance, training and scheduling for both a new and existing XRD shared among multiple departments. The Academic Specialist will also help to provide general laboratory research support, such as user training and overseeing sample preparation and analyses as well as troubleshooting and maintenance of other instruments. Laboratory support also includes ensuring departmental and building safety by serving as laboratory safety coordinator. In addition, this position will provide teaching support including maintaining the rock and mineral collections for course instruction as well as helping students to coordinate laboratory and field activities. Finally, the Academic specialist may be responsible for providing general departmental support by performing administrative and other miscellaneous tasks such as coordinating maintenance of vehicles, equipment and property. This is a full-time position, renewable on a 12-month basis. Analytical and instrumentation experience is required. Applicants must have an M.S. degree or higher in earth science, environmental science, chemistry, biology or a related field. Electronics, mechanical, and gas line plumbing expertise is desirable.

Applicants should include a cover letter, resume and the names and contact information of at least three people. Applicants should submit these materials, in a single PDF file, to the Academic/instrumentation specialist Search Committee at cjhouin@iupui.edu. Applications for this position may also be addressed to this committee and mailed to the Department of Earth Sciences, IUPUI, 723 West Michigan Street, Indianapolis, IN, 46202-5132. Review of applications will begin October 27th and continue until position is filled.

We are a growing department that offers undergraduate degrees in geology and environmental science, the M.S. in geology, and an interdisciplinary Ph.D. degree in Applied Earth Sciences (<http://earthsciences.iupui.edu/>). The department has 12 faculty with active research programs in aqueous, stable isotope and microbial geochemistry, biogeosciences, paleoclimatology and global change, medical geology, terrestrial surface and hard rock geology, planetary geology, glacial geology and geomorphology, hydrology, and remote sensing. State-of-the-art geochemistry labs are equipped with stable isotope ratio mass spectrometers, a cavity ring down spectrometer, GC-MS, ICP-MS, ICP-OES, electrochemical equipment, chromatographs (IC, GC, and HPLC), and a multisensor core scanner. IUPUI is home to the Integrated Nanosystems Development Institute (<http://indi.iupui.edu/>) that houses modern SEM and XRD facilities shared by Earth Sciences faculty.

Applications for either position may also be mailed to the committees at Department of Earth Sciences, IUPUI, 723 West Michigan Street, Indianapolis, IN, 46202-5132. Review of applications for the mineralogist and lecturer position will begin December 1, 2014 and continue until the positions are filled.

IUPUI is Indiana's premier urban public research university and is home to 30,000 students. IUPUI is an equal opportunity, affirmative-action employer.

