

TEMPLE UNIVERSITY

TENURE TRACK POSITIONS IN REMOTE SENSING AND GEOMATERIALS

The Department of Earth and Environmental Science is entering a period of growth with a newly launched Ph.D. program. To achieve this growth, the department seeks to fill two tenure-track faculty positions to begin in August 2015. One of the positions will be in the area of REMOTE SENSING. A second position will be in the area of GEOMATERIALS. Exceptional candidates holding a Ph.D. are encouraged to apply at any level (assistant, associate, or full professor). Mentoring of undergraduate and graduate students and securing external funding are expected. Applicants must have a Ph.D. in a relevant science discipline.

REMOTE SENSING: We especially encourage applicants with a focus on the analysis of Earth using airborne or satellite remote sensing platforms, expertise in digital signal processing for geoscience applications, and the use satellite data for understanding climate change. This appointment will complement existing expertise in geophysics, hydrogeology, structural geology, geomorphology, and planetary geology, and make use of the new high-performance computing cluster. Applicants should be able to teach undergraduate and graduate courses including Remote Sensing and Physical Geology.

GEOMATERIALS: Of particular interest are applicants with a focus on energy as well as earth science, and with expertise in mineralogy and petrology that crossover to material science. The candidate should investigate crystalline, glassy, or melt geomaterials with a goal of understanding the atomic-scale characteristics that lead to macroscopic properties in earth sciences. The individual is expected to use a combination of field or experimental based data collection and modeling approaches. This appointment will complement existing expertise on the properties of nano-minerals and geochemistry within EES as well as materials research conducted through super-computing, engineering, chemistry, and physics utilizing a variety of in place instrumentation and the newly formed Temple University Energy Frontier Research Center. Applicants should be able to teach undergraduate and graduate courses including Mineralogy and Petrology.

Applications should first email a letter of intent to the appropriate Search Committee Chair. REMOTE SENSING applicants should send a letter of intention to apply and any inquiries to **Alexandra Davatzes, Chair, Search Committee, alix@temple.edu**, whereas GEOMATERIALS applicants should email **Nick Davatzes, Chair, Search Committee, davatzes@temple.edu**. Applicants should upload a CV, statement of teaching goals, a research plan, names and addresses of at least three references, and selected reprints via the following website: <http://ees.cst.temple.edu/>. We request application material be submitted by **December 1, 2014**. Temple University is a state-related research-intensive institution with an undergraduate enrollment of more than 27,000 and nearly 10,000 graduate and professional students. More information about our department is available at <http://www.temple.edu/geology/>. Temple University is an equal opportunity, equal access, affirmative action employer committed to achieving a diverse community (AA, EOE, M/F/D/V). The department specifically encourages applications from women and minorities.