Missouri University of Science and Technology  
SIGNATURE AREA: ADVANCED MATERIALS FOR SUSTAINABLE INFRASTRUCTURE

Missouri University of Science and Technology is seeking highly qualified, motivated faculty members in the interdisciplinary signature area of Advanced Materials for Sustainable Infrastructure. As part of a focused hiring campaign in this signature area, Missouri S&T invites applications for three full-time, tenure-track faculty positions. The openings are anticipated to be filled at the assistant professor level, however, appointment at the associate professor level will also be considered. The appointment is anticipated to begin Fall 2015.

The priority hiring areas are:

- **Novel Sustainable Materials** — Disciplines of particular interest include: design of novel construction and rehabilitation materials, including those made with alternative binders and self-healing materials; cement chemistry and microstructure; and durability and deterioration of construction materials.
- **Advanced Construction Chemicals** — Areas of particular interest include the synthesis and development of polymeric admixtures and coatings with respect to the chemistry of construction materials, including binder-admixture interaction.
- **Composite Design** — Disciplines of interest include: multi-scale/multi-physics computational models for novel construction materials, including polymers, metals, ceramics, cementitious systems and fiber-reinforced polymer composites; and modeling of cracking and failure of metals, cementitious systems and hybrid structures under static, thermal, dynamic, high strain rate and fatigue loading.

Depending on the area of focus, candidates are expected to have a strong background in a number of the following areas: construction materials science and engineering, cement-admixture interaction, microstructure evaluation, nanotechnology, physical-polymer chemistry, multi-scale constitutive modeling, and sustainability of construction materials and operations.

Specific information regarding the three faculty positions is available at: [signature.mst.edu](http://signature.mst.edu) under the link for **Advanced Materials for Sustainable Infrastructure**. Review of applications will begin on Nov. 1, 2014 and applications will be accepted and reviewed until the positions are filled.

*Missouri S&T is an AA/EEO employer and does not discriminate based on race, color, religion, sex, sexual orientation, national origin, age, disability, or status as a Vietnam-era veteran. Females, minorities, and persons with disabilities are encouraged to apply.*