

**Missouri S&T 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 full-time, tenure-track faculty positions at the assistant and associate professor levels; however, outstanding applicants at the full professor level may be considered. The priority hiring areas for this cluster hire are:

- **Advanced Construction Polymer Materials and Chemicals** – Areas of particular interest include the synthesis and development of polymers, polymer admixtures, and coatings with respect to the chemistry of construction materials, including binder-polymer interaction.
- **Automation in Construction** – Disciplines of interest include the modeling, design, optimization, and control for developing novel construction automation methods/systems for buildings, roadways, and nuclear and electric utility infrastructure; advanced construction robotics and machine automation for civil infrastructure.
- **Composite Design for Infrastructure Applications** – Disciplines of interest comprise of multi-scale/multi-physics computational models for novel construction materials, including cementitious systems and reinforcement for civil infrastructures; fabrication and experimental testing is also of special interest.

Depending on the area of focus, candidates are expected to have a strong background in a number of the following areas: cement-admixture interaction, physical chemistry, construction materials science and engineering, automation in construction operations, automated inspection and multi-scale constitutive modeling of civil infrastructure systems.

The successful candidate is expected to collaborate on interdisciplinary research with colleagues from science and engineering departments through the Center for Infrastructure Engineering Studies (<http://cies.mst.edu>) and to develop and sustain a strong externally funded research program. Candidates should have excellent communication skills and a commitment to excellence in teaching at all levels.

The appointment is anticipated to **begin in fall 2017**.



The Advanced Materials for Sustainable Infrastructure Signature Area plays a critical role in improving the nation's existing transportation, nuclear, and utility infrastructure in an environmentally sustainable manner.

More information is available online at: [hr.mst.edu/careers/signature/advancedmaterials/](http://hr.mst.edu/careers/signature/advancedmaterials/)

**→ Submit your application**

Review of applications will begin **Dec. 1, 2016**. Applications will be accepted and reviewed until the positions are filled.

Applications **MUST** include:

- a **current curriculum vitae**
- a **statement of research plans**
- a **statement of teaching philosophy**
- **complete information for three references**

All application materials must have position reference number **00067779** for the associate professor position, or **00067780** for the assistant professor position, in order to be processed. Acceptable electronic formats include PDF and Word. Hardcopies will not be accepted.

Missouri S&T participates in E-Verify. For more information on E-Verify, please contact DHS at 1-888-464-4218.