

Statistics Job Openings
in the
Smart Living: Mathematics & Statistics Cluster
Missouri University of Science and Technology

We're looking for individuals to help us make our mark in this area of Smart Living which is critical to economic development in Missouri and the Nation.

General Information

Missouri University of Science and Technology (Missouri S&T) is seeking candidates for a tenure track faculty position at the assistant professor, associate professor, or professor level who excel in interdisciplinary research to advance our campus signature area of **Smart Living**. Smart Living seeks to improve the human living condition by enhancing the integrated system of people, technology, and the environment. Smart Living requires an interdisciplinary effort in numerous fields among the business, computing, economics, engineering, humanities, mathematics and statistics, policy, science, and social science disciplines to advance a sustainable, usable, and healthy society. The Smart Living signature area is one of four signature areas that are part of S&T's aggressive strategic plan to hire 100 faculty, adding more breadth and depth to our world-class programs. New hires may start in Fall 2018, Spring 2019, or Fall 2019.

A highly qualified, motivated faculty member from a potentially any discipline would join the university at a pivotal moment in its 147 year history to assist us in raising our visibility. The university has an ambitious strategic plan strongly supported by the University of Missouri System, and a decade of growth in its enrollments, research expenditures, scholarly activity and overall academic quality. In rising to the challenge, the university is halfway through a plan to hire 100 new faculty members by 2020 — growing the faculty by 20 percent. **Part of this bold, ambitious plan includes employing transformative and focused hiring in four interdisciplinary signature areas, including Smart Living.**

New faculty member will build upon and add new dimensions to the existing strengths at Missouri S&T. The position is broadly defined. The new hire must be able to contribute to the Smart Living vision from one of a variety perspectives, including secure and private decision-making, smart technologies for business, smart grid, smart buildings, smart transportation, smart environment, leadership, usability, and governance and policy issues. A Ph.D. is required.

Interested applicants should submit an electronic application to Missouri S&T Human Resources at <http://hr.mst.edu/careers/academic/>. Applications must include:

1. A cover letter (please include Job ID 24645 and reference number 67782).
2. A current curriculum vitae.
3. A one-page statement of research interests and experience.
4. A one-page statement of teaching interests and experience.

5. A one-page statement detailing plans to creating an interdisciplinary research program around smart living. This plan should describe interactions with existing campus groups and include an explanation of fit with one or more of the clusters: Engineering and Computing, Mathematics and Statistics, Humanities, Economics and Business/Information Technology, Psychological Science, Biological and Environmental Sciences. Details about these clusters are available at <http://hr.mst.edu/careers/signature/smartliving/>.
6. The three statements should collectively demonstrate that the applicant is cognizant of challenges related to diversity, equity, and inclusion in academic environments, and has plans for addressing these challenges.
7. Complete contact information for five references.

All reference materials must include **reference number 67782**. Application materials that do not include the position reference number will not be processed. Hard copy applications are not accepted. Acceptable electronic formats include PDF and Word. **Review of applications will begin on November 30, 2017 and applications will be accepted and reviewed until the position is filled.**

Information Specific to the Mathematics and Statistics Cluster

Candidates interested in Mathematics and Statistics as their home department should have a Ph.D. with doctoral research in statistics or applied dynamical systems with a strong emphasis on stochastic modeling and data analysis. The candidate must show evidence of a strong interests in, and a demonstrated capability of, developing cutting-edge methodology and computational tools for solving high-dimensional and complex data intensive problems with underlying stochasticity. The ideal candidate must have experience in collaborative research with scientists in other disciplines on a substantive research project. Those with skills and experience in the application of mathematics or statistics in the modeling of complex systems and/or extracting knowledge and providing insights into mechanisms underlying noisy high-dimensional data will be highly desirable. Training and experience in the use of data visualization tools for high-dimensional data will be a plus. While establishing a successful collaboration with interdisciplinary teams of engineers as well as behavioral, biological, computer, and social scientists, the ideal candidate should be able develop mathematically/statistically optimal yet practical solutions to the challenges posed by the smart living research initiative.

Missouri University of Science and Technology is one of the nation's leading research universities. Located about 100 miles west of St. Louis in the community of Rolla, Missouri S&T is an accessible, safe and friendly campus surrounded by Ozarks scenery. Missouri S&T offers degrees in engineering, the sciences, liberal arts, humanities, and business, with master's and Ph.D. programs available in many of the science and engineering programs and master's degrees in biological sciences, business administration, industrial and organizational psychology, and technical communication. With nearly 9,000 students enrolled online and on campus, Missouri S&T is big enough to accommodate a diverse population, but small enough for individuals to stand out. More information about the campus can be found at <http://www.mst.edu/>. Missouri S&T seeks to meet the needs of dual-career couples.