

Sustainable Transportation Postdoctoral Position Opening

Position Description

A postdoctoral research associate position is opening for the National Center for Sustainable Transportation (NCST) at Texas Southern University (TSU), which is co-directed by Dr. Lei Yu and Dr. Fengxiang Qiao of the TSU Innovative Transportation Research Institute (ITRI).

The appointee will have the chance to participate in research projects sponsored by the United States Department of Transportation, Texas Department of Transportation, National Science Foundation, etc. The appointee will be responsible for (1) conducting research on sustainable transportation studies, including publishing relevant research papers and reports and preparing proposals, (2) collaborating with other team members, institutional partners, public agencies, and industries, and (3) co-advising graduate and undergraduate students on their research projects with essential administrative support.

Required Qualifications:

- Ph.D. in Transportation, Environmental Science, or related fields
- Knowledgeable in sustainable transportation studies, statistics, machine learning, and operations research
- Strong computer programming skills (e.g., Python and Matlab)
- Experience in basic transportation environmental software
- Excellent writing and presentation skills

Application Procedure

Submitting a CV with the complete list of publications, a one-page personal statement, and the contact information of two references via email at fengxiang.qiao@tsu.edu. Contact number: (713) 313-1915.

About Us

The Texas Southern University (TSU) Innovative Transportation Research Institute (ITRI) aims to develop, evaluate, optimize, and recommend comprehensive strategies for traffic congestion mitigation, mobile source emission reduction, fuel consumption saving, reduced public health impacts, urban transportation planning, and ITS development, through the smart utilization of advanced technologies, large scale computer simulation methods, complex modeling systems, and state-of-the-art lab equipment.

ITRI receives support from various federal and state-level agencies and administrates the TSU portion of the National Center for Sustainable Transportation (NCST), a United States Department of Transportation (DOT) national-level University Transportation Center (UTC). NCST provides national leadership in advancing environmentally sustainable transportation through cutting-edge research, direct policy engagement, and education of our future leaders. NCST is led by the University of California at Davis and partnered with California State University, Long Beach; the University of California, Riverside; the University of Southern California; Georgia Institute of Technology; and the University of Vermont.