Position Description

The Ingram School of Engineering invites applications for one postdoctoral research associate position under the supervision of Dr. Zhijie (Sasha) Dong in the Industrial Engineering program. This appointee will focus on research in the area of emergency management and disaster response, by developing mathematical models and solution methods. For more information about Dr. Dong and her research interest please visit https://dong.wp.txstate.edu/.

The appointee will be responsible for 1) conducting research and taking leadership in writing proposals and research papers; 2) developing collaboration with other research teams, public agents and particularly industry partners; 3) co-supervising student projects and basic administrative support. The appointee will have the chance to be involved into the projects with National Science Foundation and Texas Department of Transportation.

This is a one-year appointment with a possibility of renewal based on satisfactory performance. The position is available immediately and opens until filled. Due to prevalent restrictions on international travel, preference will be given to candidates who are currently in the U.S.

Required Qualifications

- Ph.D. in OR, Industrial Engineering, Applied Mathematics or close related fields.
- Knowledge of mathematical modeling, optimization algorithms, statistics and transportation
- Familiar with programming and optimization software (e.g., CPLEX and Gurobi).
- Good writing and presentation skills.

Preferred Qualifications

- Experience in writing proposals.
- Strong programming skills, particularly C++ or Java.
- Knowledge of stochastic programming and/or machine learning
- Self-motivated

Application Procedures

Review of applicants will begin immediately and continue until position is filled. Please email CV (including a list of publications and contact info for three referees) and research interest to Dr. Sasha Dong at sasha.dong@txstate.edu

About Texas State University

Texas State University (TXST) is the largest institution in the Texas State University System and the fifth largest university in Texas. Since it has a wide range of baccalaureate and master's programs and is committed to graduate education through the doctorate in targeted areas of excellence, TXST has been classified as an Emerging Research University by the Texas Higher Education Coordinating Board. The great campus' location (adjacent to I-35 and 30-mile away from Austin) provides students the best opportunities to connect with leading industry firms and organizations for internships and work experiences.