**Position Description**

The Ingram School of Engineering invites applications for **one highly motivated (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. The position is mainly supported by a research grant from the Department of Energy.  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 agencies, and industry partners; 3) co-supervising student projects and basic administrative support.  The appointee will have the chance to be involved in the projects with NSF, Texas Department of Transportation, and Japan Science and Technology Agency.

The initial appointment is for one year with the possibility of an extension for additional years. The expected start time for this position will be June 2022. Preferences will be given to candidates who are already in the United States. **Exceptional researchers with a master's degree could also be considered.**

**Required Qualifications**

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

**Preferred Qualifications**

- Ph.D. in OR, Industrial Engineering, Applied Mathematics, or closely related fields.
- Experience in writing proposals.
- Strong programming skills, particularly C++ or Java.
- Knowledge of stochastic programming and/or machine learning

**Application Procedures**

Please email CV (including a list of publications and contact information of two references) and a short paragraph of research interests 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.