

# UNIVERSITY of HOUSTON

## Position Description

There is one **postdoctoral research associate opening** available under the supervision of Dr. Zhijie (Sasha) Dong at the University of Houston. This appointee will focus on research in the area of the plastics supply chain, sponsored by Shell. For more information about Dr. Dong and her research work, please visit <https://sites.google.com/view/sashadong>.

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; and 3) co-supervising student projects and basic administrative support. The appointee will also have the chance to be involved in projects with the National Science Foundation, DOE, Texas Department of Transportation, Japan Science and Technology Agency, etc.

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 immediate.** Preferences will be given to candidates who are already in the United States.

## Required Qualifications

- Ph.D. in Operations Research, 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

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

## Application Procedures

Please email a 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@central.uh.edu](mailto:sasha@central.uh.edu)

## About University of Houston

The Carnegie Foundation for the Advancement of Teaching has recognized the University of Houston as a research university with very high research activity. The University of Houston is a public research university that is located on a park-like campus a few minutes from the Houston city center. Houston is an international and multicultural city, and the University reflects this diversity. It is a designated Hispanic Serving Institution, and it has been recognized as the one of the most racially and ethnically diverse research institution in the nation. In addition, the University is an ADVANCE institution, one of a select group of universities to receive National Science Foundation funds in support of our commitment to increase diversity and the participation and advancement of women faculty STEM disciplines.