

**Postdoctoral Research Associate  
Texas A&M University-Corpus Christi**

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Downloaded On: May. 8, 2024 2:35pm

Posted Mar. 14, 2024, set to expire Jul. 13, 2024

<b>Job Title</b>	Postdoctoral Research Associate
<b>Department</b>	College of Engineering
<b>Institution</b>	Texas A&M University-Corpus Christi Corpus Christi, Texas
<b>Date Posted</b>	Mar. 14, 2024
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Sep. 1, 2024
<b>Job Categories</b>	Post-Doc
<b>Academic Field(s)</b>	Production/Operations Management
<b>Apply Online Here</b>	<a href="https://tamus.wd1.myworkdayjobs.com/en-US/TAMUCC_External/job/Corpus-Christi-TX/Postdoctoral-Research-Associate_R-071392">https://tamus.wd1.myworkdayjobs.com/en-US/TAMUCC_External/job/Corpus-Christi-TX/Postdoctoral-Research-Associate_R-071392</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

## **PURPOSE**

Fostering advanced research, innovation, and collaboration for sustainable manufacturing using operations research and machine learning. Facilitating the preparation of proposals for new grants and ensuring compliance with the requirements of granted projects.

## **DESCRIPTION**

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**Functional Area 1: Research**

**Percent Effort: 70%**

**Job Duties**

- Developing decision support tools using system modeling, optimization, and machine learning (especially reinforcement learning) for applications of smart and sustainable manufacturing.
- Prepare research papers for journals and conferences.
- Data organization and management
- Data analyses
- Data dissemination
- Pursue research in the lab and field.
- Keep up with current and appropriate literature.

**Functional Area 2: Proposal Preparing and Program Management**

**Percent Effort: 30%**

**Job Duties**

- Working closely with Dr. Yun and assisting in preparing grant proposals.
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Writing reports for funding agencies.

## QUALIFICATIONS

- Ph.D. (or expected completion by Fall 2024) in Operations Research, Industrial Engineering, Computer Science, or a related field.
- Strong mathematical background, including expertise in optimization, probability, statistics, and machine learning (especially reinforcement learning).
- Prior experience working with data and system modeling, familiarity with at least one programming environment (e.g., MATLAB, Python, R)

## Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

## Contact

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