

Drone Delivery Systems for Logistics Operations American University of Sharjah

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Posted Jun. 25, 2024, set to expire Oct. 25, 2024

Job Title	Drone Delivery Systems for Logistics Operations
Department	Industrial Engineering Department https://www.aus.edu/cen/department-of-industrial-engineering
Institution	American University of Sharjah Sharjah, , United Arab Emirates
Date Posted	Jun. 25, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Post-Doc
Academic Field(s)	Industrial & Systems Engineering
Apply By Email	mndiaye@aus.edu
Job Description	

Over the last decade, the logistics industry has seen significant growth as well as a fair share of technological disruption. Consumer demand for instant delivery has surged, particularly in urban areas, and businesses have started to struggle to meet it without incurring significant last-mile delivery (LMD) costs. Drone technology advancements have opened the way for a variety of logistics applications. However, constraints such as battery capacity, maximum take-off weight, range limits, and most importantly legal laws have limited drones' effective operational range in many practical applications.

This research aims to develop a sustainable operational framework from the critical aspects of drone operations

Person specification:

- Ph.D. degree in Industrial Engineering, Operations Research, Computer Science or an equivalent

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combination of education and experience;

- Proven competence in developing Heuristics and Metaheuristics Solutions (for Vehicle Routing Problems preferred);
- Proven competence in developing machine learning algorithms for data analysis
- Demonstrated proficiency in writing technical research papers;
- Ability to work independently.

Application submission details:

The position has a competitive salary. Interested candidates should email the following information, as a single pdf, to mndiaye@aus.edu :

- CV, including a summary of educational background and grades.
- Names and email addresses of at least 3 references.

Contact Information

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

Contact Prof. Malick M. Ndiaye
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