

Post-Doc/Visiting Scientist - IDA/Alabama Mobility and Power Center - 516532

Tuscaloosa, Alabama, United States

CBA

Research/Scientific

Regular Full-time (Benefits eligible)

Closing at: Jun 10 2022 at 22:55 CDT

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Pay Grade/Pay Range: Non Classified - Grade NA

Department/Organization: 206205 - Business Analytics Institute

Normal Work Schedule: Monday - Friday 8:00am - 4:45pm

Job Summary: Under the direction of a senior faculty member who serves as a mentor for the postdoctoral appointee, The Postdoctoral Fellow provides for an internship and continuation of scholarly activity and research after achieving the Ph.D. or other doctoral degree.

Additional Department Summary: The University of Alabama seeks applications for a postdoctoral researcher position. The position is available to individuals with research interests in electric vehicle analytics (EVA). The successful candidate will conduct research under the supervision of Dr. Mesut Yavuz and Dr. Matthew Hudnall and will have the opportunity to collaborate with other researchers affiliated with the Institute of Data and Analytics (IDA), Alabama Mobility and Power (AMP) center and Alabama Transportation Institute (ATI).

This position will lead and support in the development and publishing research on various topics relating to the EVA initiative to help transition to the future of transportation with electric vehicles in the state of Alabama and beyond. The successful candidate will apply tools including (but not limited to) Data Acquisitions, Data Mining, Data Visualization, Machine Learning, Statistics, Optimization and Simulation in various interdisciplinary projects spanning engineering, business, policy and public health fields. The postdoctoral scholar will at times need to concurrently complete research goals involving peer review publications and task-driven analytic projects as detailed by extramurally funded projects. Opportunities will also be available for the scholar to assist with the development and submission of applications for externally funded contracts and grants.

The College and or hiring department will establish a series of structured merit-based evaluations. Initial appointments are for one year, with renewal contingent upon demonstration of research productivity and funding.

Required Department Minimum Qualifications: Ph.D. in Operations Research, Operations Management, Industrial Engineering, Electrical Engineering, Computer Science, or a closely related field. Experience in the area of transportation and/or energy operations. Experience with data acquisition (web scraping and API usage) and data visualization and other analytics tools including machine learning, optimization and simulation. Computer programming expertise in at least one of the C++, C# and Python languages.

Ph.D. expected by August 2022 or earned no earlier than August 2019.

Background Investigation Statement: Prior to hiring, the final candidate(s) must successfully pass a pre-employment background investigation and information obtained from social media and other internet sources. A prior conviction reported as a result of the background investigation DOES NOT automatically disqualify a candidate from consideration for this position. A candidate with a prior conviction or negative behavioral red flags will receive an individualized review of the prior conviction or negative behavioral red flags before a hiring decision is made.

Equal Employment Opportunity: The University of Alabama is an Equal Employment/Equal Educational Opportunity Institution. All qualified applicants will receive consideration for employment or volunteer status without regard to race, color, religion, national origin, sex, sexual orientation, gender identity, gender expression, pregnancy, age, genetic or family medical history information, disability, protected veteran status, or any other legally protected basis, and will not be discriminated against because of their protected status. Applicants and employees of this institution are protected under Federal law from discrimination on several bases. Follow the link below to find out more. "EEO is the Law" [**Poster**](#)