

POSTDOCTORAL POSITION IN TRANSPORTATION ENGINEERING

Florida Atlantic University (FAU) Department of Civil, Environmental and Geomatics Engineering (CEGE) invites applications for the position of Post-Doctoral Research Associate in Transportation Engineering. FAU LATOM (Laboratory for Adaptive Traffic Operations and Management) is a state-of-the-art transportation laboratory which mimics a real-world Traffic Operations Center with corresponding hardware and software infrastructure. LATOM's operations are funded by research contracts from various national, state, and local agencies. LATOM has excellent working collaboration with FL DOT, Palm Beach and Broward Counties, City of Boca Raton as well as other state, county, and municipal agencies around the country.

LATOM seeks a highly qualified and motivated individual with a research background in transportation engineering or a related field. A past research concentration in the area of urban traffic operations, traffic signal systems, traffic flow theory, and operations research is desired. The candidate must be able to assist LATOM with existing research projects, manage lab's operations, write research papers and proposals, and participate in transportation conferences and professional meetings. The candidate must have excellent communication skills, oral and written, and excellent analytic capabilities.

Florida Atlantic University is currently serving around 30,000 undergraduate and graduate students including a significant number of postdoctoral researchers. With 49 percent of its student body classified as minority or international students, FAU ranks as the most racially, ethnically and culturally diverse institution in Florida's State University System. FAU is classified as a High Research Activity institution by the Carnegie Foundation for the Advancement of Teaching. Research is taking place across a broad spectrum of disciplines, with special emphasis placed upon the university's three signature themes – marine and coastal issues, biotechnology and contemporary societal challenges. For more information, please see www.fau.edu/research.

Florida is the third most populous state in the US with forecasted continued growth. It provides a diverse environment for transportation issues and research as the home to multiple metropolitan area and numerous deep-water seaports, commercial airports, public transit systems, and a large system of transportation infrastructure. The FAU Boca Raton campus is one of the most beautiful university campuses in the nation, 30 minutes away from two international airports (FLL & PBI) and 45 minutes away from Miami/MIA. City of Boca Raton is 'a jewel' on Florida's Atlantic Coast with a year-around pleasant weather, numerous beaches and golf courses, and a variety of cultural and recreational activities that provide an outstanding quality of life.

RESPONSIBILITIES

The Post-Doctoral Research Associate will lead funded research projects; supervise graduate research assistants; write research proposals and reports; represent LATOM at major conferences through publishable research work, and/or presentations at professional meetings. The selected candidate will have an opportunity to work in a highly research-oriented environment and on cutting-edge research projects related to **performance-based management of arterial traffic operations**.

If desired, a successful applicant will have the opportunity to improve his/her instructional records by teaching sporadic lessons in transportation courses. The position is perfect for recently graduated post-doctorates who are looking to boost their research and teaching records while searching for more permanent positions in academia.

MINIMUM QUALIFICATIONS

1. Ph.D. in civil engineering or another related field with a transportation specialization.
2. Demonstrated research publication record.
3. Excellent oral and written communication skills.
4. Potential to collaborate on development of research proposals and grants.
5. Demonstrated leadership/managerial skills.

PREFERRED QUALIFICATIONS

A past research concentration in the area of urban traffic operations and management, traffic signal systems, traffic controller operations and their connection with microsimulation (e.g. HILS & SILS), traffic flow theory, operations research, and statistical applications is preferred. Following skills are a plus: VISSIM (and other PTV software), signal optimization software (Synchro, Transyt-7F, HCS, etc.), basic programming (Matlab, Excel VBA, etc.), OR software platforms. The position may be filled by visiting scholars (domestic or international) on sabbaticals, personal leaves, etc.

DURATION OF THE POSITION

This is a temporary full-time (40 hours/week) position with a guaranteed contract for 12 months and an opportunity to extend the position to multiple years, depending on availability of funding. The position will start in the summer of 2017.

SALARY & BENEFITS

Salary will be commensurate with experience, within the range of US\$44,000 – US\$48,000 for fresh post- doctoral candidates. If the position extends after 12 months, a substantial salary increase may be offered. Visiting scholars with higher ranks at their domicile institutions may negotiate higher salaries. The benefit package includes health insurance but does not include any retirement or other benefits.

APPLICATION PROCESS

Interested applicants should send a cover letter, curriculum vitae, a brief research statement, and contact information of three professional references. All of the above documents should be combined in a single PDF file and sent to Dr. Aleksandar Stevanovic at astevano@fau.edu. The applicants are encouraged to submit their applications as soon as possible. Short-listed applicants will be invited for a Skype interview. Florida Atlantic University is an Equal Opportunity/Equal Access Institution. Individuals with disabilities requiring accommodation, please call 561-297-3057.TTY/TDD 1-800-955-8771

ELEGIBILITY

Applicants must be able to legally work in the US. International citizens eligible for Post-Completion Optional Practical Training are welcome to apply. International scholars may be eligible for short-term J1 visas but the FAU cannot guarantee that such visas will be issued.