

# California State University, Fresno Foundation

## POSTDOCTORAL RESEARCH ASSOCIATE – FRESNO STATE TRANSPORTATION INSTITUTE

JOB ANNOUNCEMENT #20-138

<p><b>POSITION SUMMARY:</b></p>	<p><b>Full-time, benefited position with the Fresno State Transportation Institute through the California State University, Fresno Foundation.</b> The Fresno State Transportation Institute at California State University, Fresno is an established regionally funded transportation institute that focuses on advanced transportation systems. It is the seed of a unique collaboration between California State University, Fresno and Fresno County Transportation Authority. The Lyles College of Engineering is the largest and oldest publicly supported engineering college in the San Joaquin Valley in Central California. Fresno is the fifth largest city in the state of California.</p> <p>The Fresno State Transportation Institute at California State University, Fresno seeks applicants for a full time (12 months) Postdoctoral Research Associate position in Transportation Engineering with emphasis in one or more of the following areas: Advanced Transportation Systems (e.g. Automated Transportation Systems, Shared Mobility Systems, etc.), Advanced Transportation Energy Systems (e.g. Electric Vehicles, etc.), Advanced Travel Demand Management Systems (e.g. Smartphone Transportation Apps, Gamification, Data Fusion, etc.), and/or Advanced Transportation Emissions and Air Quality. The successful candidate is expected to possess experience in Modeling, Simulation, and/or Optimization of Advanced Transportation Systems; demonstrate knowledge and passion for advanced transportation systems and transportation sustainability, and be a highly motivated and hard-working Postdoctoral Researcher.</p> <p>The Postdoctoral Research Associate will support Fresno State Transportation Institute’s four focus areas: Education, Research, Public Service and Outreach. The selected candidate will be expected to be self-motivated, possess and demonstrate leadership abilities, and initiate and lead different initiatives at the Institute. The selected candidate will mainly work collaboratively with faculty, staff, and with professionals from public agencies and industry; conduct scholarly and applied research; pursue and work on grants on behalf of the Institute; lead and mentor graduate and undergraduate student researchers; assist in planning and scheduling of Institute events and other activities; develop reports and grant proposals; and conduct outreach activities with K-12 schools and community colleges. Additionally, depending on department needs, the successful candidate will have the opportunity to teach undergraduate and graduate courses for additional compensation.</p>
<p><b>ESSENTIAL JOB FUNCTIONS:</b></p>	<p>Typical duties include, but are not limited to:</p> <ul style="list-style-type: none"> <li>• Attend regular project and professional community meetings.</li> <li>• Identify, pursuit, and secure external research and applied practice grants.</li> <li>• Develop, write and submit competitive external research and applied practice grant proposals.</li> <li>• Work with a team of faculty, students and professionals in preparing proposals for research and practice project.</li> <li>• Work closely with team on proposals planning and proposal writing.</li> <li>• Plan and schedule activities to ensure timely submittal of project deliverables (including technical memos, document research findings, and develop reports and products).</li> <li>• Lead, train and interact with undergraduate and graduate students.</li> <li>• Collaborate with professionals from the local public and private sectors.</li> <li>• Conduct scholarly and applied research.</li> <li>• Engage in outreach and service-related activities.</li> <li>• Writing reports and preparing manuscripts for refereed journal publication</li> <li>• Ordering equipment and supplies</li> <li>• Develop collaborative relationships with external research groups as appropriate</li> <li>• Other duties as may be assigned.</li> </ul>
<p><b>QUALIFICATIONS &amp; EXPERIENCE:</b></p>	<p><i>To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability</i></p>

	<p><i>required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.</i></p> <p><b>Required:</b></p> <ul style="list-style-type: none"> <li>• An earned doctorate (Ph.D.) in Civil Engineering or a related discipline from an accredited institution (or equivalent) is required. Candidates nearing completion of the doctorate (ABD) may be considered; for continued appointment, the doctorate must be completed by May 2022. Bachelor of Science (BS) in Civil Engineering, Transportation Engineering, or a closely related engineering field is required</li> <li>• Ability to demonstrate a commitment to working effectively with faculty, staff, and students from diverse ethnic, cultural, and socioeconomic backgrounds</li> <li>• Must be able to give oral presentations</li> </ul> <p><b>Preferred:</b></p> <ul style="list-style-type: none"> <li>• Experience working with public government agencies (local, regional, state or federal) and/or private sector</li> <li>• Experience writing and developing grant proposals from external resources</li> <li>• Evidence of leadership abilities</li> <li>• Evidence of scholarly articles and conference presentations</li> <li>• Professional experience as a Civil Engineer (i.e. PE license).</li> </ul>
<b>SALARY/BENEFITS:</b>	<b>\$5,416.67 per month.</b> Benefits include health, dental, vision, and life, vacation, sick leave, and holiday pay
<b>FILING DEADLINE:</b>	<b>Application review begins October 3, 2022. Open until filled.</b> Start date is November 7, 2022.
<b>TO APPLY:</b>	<p>Please visit the Auxiliary Human Resources page at <a href="https://auxiliary.fresnostate.edu/association/hr/">https://auxiliary.fresnostate.edu/association/hr/</a> for job announcement and application. Application must be submitted along with a: cover letter specifically addressing required experience and preferred qualifications, a curriculum vitae, a statement of research interests (no more than two pages), and a list of at least three professional references. Applications may be mailed, emailed, faxed or delivered in person to:</p> <p>California State University, Fresno  Auxiliary Human Resources  2771 E. Shaw Ave. (there is no suite number)  Fresno, CA 93710 Fax: (559) 278-0988</p> <p>E-mail completed application &amp; resume to: <a href="mailto:HRAUX@LISTSERV.csufresno.edu">HRAUX@LISTSERV.csufresno.edu</a></p> <p>For inquires, contact Dr. Aly Tawfik, Director, Fresno State Transportation Institute  Phone: (559) 278-6096  E-mail: <a href="mailto:tawfik@csufresno.edu">tawfik@csufresno.edu</a></p>

**COVER LETTER, CURRICULUM VITAE AND STATEMENT OF RESEARCH WILL NOT BE  
ACCEPTED WITHOUT A COMPLETED APPLICATION**

*California State University, Fresno is a smoke free campus. For more information, please click <http://fresnostate.edu/adminserv/smokefree/index.html>  
Employment for this position is by the California State University, Fresno Foundation. This is not a State of California position.*

**AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY/ADA EMPLOYER**

California State University, Fresno Auxiliary Services is proud to be part of the Fresno State community. As part of the campus community, Auxiliary Services follows the CSU policy that requires all faculty, staff and students who are accessing campus facilities at any university location to be immunized (fully vaccinated) against the virus that causes COVID-19. The policy does allow for medical or religious exemption from the immunization requirement. Auxiliary Services requires all of its employees to be fully vaccinated against COVID-19 or present a medical or religious exemption and any appropriate backup documentation. Fully vaccinated is defined as having received the dose at least 14 days prior to being on boarded, if selected. Current and new employees are required to adhere to this policy by September 30, 2021 and remain in adherence after that date.