

**California State University, Long Beach Research Foundation  
Position Description**

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|-------------------------|-------------------------------|
| WORKING TITLE:          | Research Associate III        |
| PAYROLL CLASSIFICATION: | Research Assistant III        |
| DEPARTMENT:             | TransGET                      |
| STATUS:                 | Full Time Benefitted (Exempt) |
| POSTING DATE:           | January 23, 2019              |
| POSITION NUMBER:        | 2444                          |

**ESSENTIAL JOB FUNCTIONS:**

Under the direction of Dr. Saadeh a self-motivated Research Associate is sought to manage and maintain advanced materials characterization equipment at the National Center for Transportation, Green Technology, and Education (TransGET). This involves the operation and training of the highly specialized Materials Testing System (MTS) equipment and the Strategic Highway Research Program Superpave asphalt binder and mixture equipment, and development of specialized software (requiring advanced computer skills) for the conduct of various standard and research type test procedures and data acquisition. Manage, train, and teach training sessions in the Joint Training and Certification Program (JTCP). Manages Graduate Research Assistants in the execution of their research and assists in their training. Conducts advanced scientific research related to transportation materials research. Analyze the data collected, which involves the development of complex mathematical models for the estimation of engineering characteristics of highway materials. Calibrate and verify the developed mathematical models with laboratory experimental and field performance data. Participate in the preparation technical reports and publications. Disseminating study results and research findings in journal and professional meetings and conduct presentations at technical conferences and seminars.

This position is employed through the CSULB Research Foundation. Employment is at-will. This position is restricted to the conditions set forth in the grant. Ongoing employment is contingent upon continual renewal of grant monies and availability of funds.

**EDUCATION, SKILLS AND ABILITIES:**

Master's Degree in Civil Engineering or related field and 1 year of experience in pavement engineering/transportation materials characterization and transportation material research in asphalt mixture design.

**Preferred Qualifications:**

Knowledge of finite element analysis and numerical modeling, finite element coding and familiarity with ABAQUS numerical modeling software.

Knowledge of Discrete element analysis and numerical modeling, discrete element coding and familiarity with PFC2D numerical modeling software.

Must be able to accept constructive criticism, prioritize work load, be professional and interact positively with others. Regular attendance required.

**BACKGROUND CHECK REQUIREMENT:**

A background check (including a reference and criminal records check) must be completed and the individual cleared before any candidate can start work with the CSULB Research Foundation. Failure to complete the background check and receive clearance may affect the application status of individuals and/or continued employment of current CSULB Research Foundation employees who apply for a new position.

**SALARY:** \$2,600 Semi Monthly 24 pay periods per year (Exempt)

**FILING DEADLINE:** Opened Until Filled

**APPLICANT PROCEDURE:**

Interested individuals should forward their cover letter, resume and completed employment application referencing position to CSULB Research Foundation, 6300 State University Drive, Ste. 332, Long Beach, CA 90815 or visit our web site at [www.foundation.csulb.edu](http://www.foundation.csulb.edu) for [e-mail instructions](#). A separate application is necessary for each job opportunity posting. It is the responsibility of the applicant to clarify on their application their ability to perform the job for which they are applying. Individuals requiring a reasonable accommodation in order to apply for this position should provide necessary information to the Director of Human Resources. Additionally, individuals invited to interview for this position should inform the Director of Human Resources at the time of invitation, of any requirements for a reasonable accommodation.

**NOTICE:**

The CSULB Research Foundation does not discriminate on the basis of sex in its employment as required by Title IX of the Education Amendments of 1972, as amended, and Section 86.9 of the administrative regulations adopted by the Department of Education pursuant thereto, nor does it discriminate on the basis of race, color, religion, national origin (including language restrictions), sex (pregnancy or gender), sexual orientation, marital status, age, disability (mental and physical, including HIV and AIDS), ancestry, medical condition (cancer/genetic characteristics), denial of family and medical care leave, denial of pregnancy disability leave or reasonable accommodation or veteran's status (including Vietnam-era veterans) as required by other federal/state non-discrimination statutes, related administrative regulations and executive orders. Individuals selected for employment must provide proof of identity and employment eligibility as prescribed in Title 8, United States Code, and Section 132A. We are an Equal Opportunity, Affirmative Action, and Title IX Employer. The CSULB Research Foundation is a 501 (c) (3) corporation that exists solely to support and advance the mission of CSULB. Employment with the CSULB Research Foundation rests solely with the CSULB Research Foundation and provides no rights or benefits of employment or any other kind, with any other organization. This includes, but not limited to; California State University Long Beach, the State of California, or the sponsoring agencies of any programs administered by the CSULB Research Foundation.

Please read and complete voluntary **Affirmative Action Information Form** below.  
Submit with resume/application to Research Foundation HR.

## **AFFIRMATIVE ACTION INFORMATION FORM**

To the extent we are subject to the Vietnam Era Veterans' Readjustment Assistance Act of 1974 or section 503 of the Rehabilitation Act of 1973, we comply with requirements to take affirmative action regarding qualified individuals with a disability, special disabled veterans, and veterans of the Vietnam era or other covered veterans. If you come within any of those categories, and would like to be included in our affirmative action program, you may tell us now or at anytime in the future. We also invite you to tell us now, or at anytime in the future, about any reasonable accommodations that you believe we could make which would better enable you to perform the essential functions of the job properly and safely.

Submitting this information is voluntary. Providing it or declining to provide it will not affect your employment in any way. The information will be used only in ways consistent with the law. It will be kept confidential, except that it may be used to determine necessary accommodations and to inform first aid/safety personnel or government officials enforcing applicable laws.

1. Name: \_\_\_\_\_

2. You may check any items applicable to you:

Disabled - Anyone having any physical or mental impairment, which substantially limit one or more major life activities.

Special Disabled Veteran - Veteran entitled to VA-administered disability compensation, or discharged from active duty because of a service-connected disability, for a disability rated at 30% or more, or rated at 10-20% where the VA has determined the veteran to have a serious employment handicap.

Vietnam Era Veteran - Anyone who served more than 180 days active duty and was discharged with other than a dishonorable discharge, or anyone discharged from active service for a service connected disability, if any part of such active duty was in the Republic of Vietnam between February 28, 1961 and May 7, 1975, or between August 5, 1964 and May 7, 1975 in all other cases.

Other Protected Veteran - Anyone who served more than 180 days active duty and was discharged with other than a dishonorable discharge, or anyone discharged from active service for a service connected disability, if any part of such active duty was in the Republic of Vietnam between February 28, 1961 and May 7, 1975, or between August 5, 1964 and May 7, 1975 in all other cases.

Other Protected Veteran - Veteran who served on active duty during a war or in a campaign for which a campaign badge has been authorized. List of eligible campaigns can be found at [www.opm.gov/veterans/html/vgmedal2.htm](http://www.opm.gov/veterans/html/vgmedal2.htm). Also, veteran who, while on active duty, participated in a military operation for which an Armed Forces Service Medal was awarded pursuant to Exec. Order No. 12985.

Newly Separated Veteran - Veteran who served on active duty and was discharged or released within the last three years.

3. If you checked Disabled or Special Disabled Veteran, you may identify any reasonable accommodations we could make that would better enable you to perform the essential functions of the job properly and safely.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_