September 5, 2019

Combustion Laboratory Student Research Assistant, UAS 1638
Mechanical Engineering/Combustion and Education Research

Salary Range: $14.25/hourly

Work Schedule: This is a student, part-time position; 20 hours per week; non-exempt position. This position is not eligible for benefits. This is a temporary appointment with the possibility of renewal, contingent upon the availability of funds.

Position Overview: Under the direction and supervision of the Principal Investigator, the incumbent will perform scientific research in combustion chemistry and flame dynamics.

Essential functions:
• Designing, selecting parts for, and manufacturing experimental equipment.
• Performing combustion experiments.
• Analyzing results of experiments using computational tools such as MS Excel, Matlab, and/or Python.
• Communicate results to other students in the research group and to the faculty advisor.
• Participate in writing research publications and presentations.
• Other duties as assigned.

Requirements: The incumbent must be a student currently attending Cal State L.A. A completed Student Employment Application is required. For satisfactory job performance, the incumbent must have a thorough understanding of thermodynamics and fluid mechanics. This can be demonstrated through a high grade (> B) in those courses. Additionally, strong knowledge of heat transfer and combustion concepts is preferred. The incumbent must be able to perform at least one of the following tasks: data analysis using computational tools, design of physical systems using Solidworks or similar tools, manufacturing using machine tools, or numerical simulation using Matlab or Python. Strong skills in more than one of the above tasks is preferred. The incumbent must also demonstrate an interest or ability in working in a multicultural/multiethnic environment. Fingerprinting will be taken and checked by the California Department of Justice and the FBI. The incumbent may be responsible for the fingerprinting processing fee.

Review of applications/resumes will begin September 8, 2019 and will continue until the position is filled; however, the position may close when an adequate number of qualified applications are received. You may apply to: uashr@cslanet.calstatela.edu or mail to: Cal State LA University Auxiliary Services Inc., 5151 State University Drive, GE 310, Los Angeles, CA 90032-8534

UAS hires only those individuals lawfully authorized to work in the United States. Americans with Disabilities (ADA) requested accommodations should be made in advance to the UAS Human Resources Department.

Cal State LA University Auxiliary Services, Inc. is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex including sexual orientation and gender identity, national origin, disability, protected Veteran Status, or any other characteristic protected by applicable federal, state, or local law.