

Research Scientist, Mechanical and Aerospace  
Engineering  
University at Buffalo, The State University of New York

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Posted Mar. 1, 2024, set to expire Aug. 4, 2024

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|-----------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Job Title</b>            | Research Scientist, Mechanical and Aerospace Engineering                                                  |
| <b>Department</b>           | Mechanical and Aerospace Engineering                                                                      |
| <b>Institution</b>          | University at Buffalo, The State University of New York<br>Buffalo, New York                              |
| <b>Date Posted</b>          | Mar. 1, 2024                                                                                              |
| <b>Application Deadline</b> | Open until filled                                                                                         |
| <b>Position Start Date</b>  | Available immediately                                                                                     |
| <b>Job Categories</b>       | Research Scientist/Associate<br>Graduate Student                                                          |
| <b>Academic Field(s)</b>    | Mechanical Engineering<br>Aerospace/Aeronautical/Astronautics                                             |
| <b>Job Website</b>          | <a href="https://www.ubjobs.buffalo.edu/postings/48410">https://www.ubjobs.buffalo.edu/postings/48410</a> |

**Apply By Email**

**Job Description**

The [Center for Hybrid Rocket Exascale Simulation Technology \(CHREST\)](#) at University at Buffalo, State University of New York (UB- SUNY) has an opening for a **Research Scientist** in droplet dynamics and atomization, available immediately. CHREST is a recently funded PSAAP III center by Department of Energy focusing on investigating turbulent reacting flow physics of hybrid rocket motors through exascale computing coupled with model reduction strategies and machine learning algorithms for design optimization and uncertainty quantification.

The recruited Research Scientist is expected to be key players in the center and capable of collaborating with other researchers from academia and National Labs. Candidates will be mainly involved in the numerical simulations of turbulent reacting flows. In addition, the Research Scientist

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should also have the ability to mentor undergraduate and graduate students and compose proposals.

### **Outstanding Benefits Package**

Working at UB comes with benefits that exceed salary alone. There are personal rewards including comprehensive health and retirement plan options. We also focus on creating and sustaining a healthy mix of work, personal and academic pursuit - all in an effort to support your work-life effectiveness. Visit our benefits website to learn about our [benefit packages](#).

### **About The University at Buffalo**

The University at Buffalo (UB) #ubuffalo is one of America's leading public research universities and a flagship of the State University of New York system, recognized for our excellence and our impact. UB is a premier, research-intensive public university dedicated to academic excellence. Our research, creative activity and people positively impact the world. Like the city we call home, UB is distinguished by a culture of resilient optimism, resourceful thinking and pragmatic dreaming that enables us to reach others every day. Visit our website to learn more about the [University at Buffalo](#).

As an Equal Opportunity / Affirmative Action employer, the Research Foundation will not discriminate in its employment practices due to an applicant's race, color, religion, sex, sexual orientation, gender identity, national origin and veteran or disability status.

### **Contact Information**

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

### **Contact**

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