

Post-doctoral associate
University of Maryland, College Park

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Posted Oct. 13, 2021, set to expire Feb. 12, 2022

Job Title	Post-doctoral associate
Department	Aerospace Engineering https://aero.umd.edu/
Institution	University of Maryland, College Park College Park, Maryland
Date Posted	Oct. 13, 2021
Application Deadline	Open until filled
Position Start Date	Available January 2022
Job Categories	Post-Doc
Academic Field(s)	Aerospace/Aeronautical/Astronautics
Job Website	http://www.hyper.umd.edu/index.html
Apply Online Here	https://ejobs.umd.edu/postings/88549

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Job Description

The High-speed Aerodynamics and Propulsion Laboratory at the University of Maryland, College Park has an anticipated open post-doctoral position in high-speed flow separation problems, especially pertaining to atmospheric meteoroid fragmentation. The position will involve conducting free-flight experiments in a hypersonic wind tunnel and using high-speed visualization and image-processing techniques to investigate the separation behavior of multi-body clusters. Some low-order modeling and running of related CFD simulations may also be involved. The applicant will be expected to plan and run experiments (including tunnel and diagnostic operation), analyze the gathered data, and summarize it in reports and scholarly publications. The appointment will be in the Department of Aerospace Engineering, full-time, for at least one year, with the possibility of renewals pending satisfactory performance and funding. Remuneration will be competitive and based on qualifications

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The expected start date is February 2022, contingent upon funding approval.

Minimum Qualifications:

Applicants are expected to have:

- a Ph.D. in Engineering, Physics, Planetary Sciences, or a related field;
- proficiency with experimental fluid-dynamic techniques, and preferably experience in conducting experiments in high-speed wind tunnels;
- a track record of scholarly research.

EEO/AA Policy

The University of Maryland, College Park, an equal opportunity/affirmative action employer, complies with all applicable federal and state laws and regulations regarding nondiscrimination and affirmative action; all qualified applicants will receive consideration for employment. The University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, national origin, physical or mental disability, protected veteran status, age, gender identity or expression, sexual orientation, creed, marital status, political affiliation, personal appearance, or on the basis of rights secured by the First Amendment, in all aspects of employment, educational programs and activities, and admissions.

Contact Information

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

Contact Stuart Laurence
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