

Postdoctoral Research Associate - Modeling Exoplanets
Plasmas
University of Massachusetts, Lowell

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Posted Nov. 15, 2019, set to expire Mar. 16, 2020

Job Title	Postdoctoral Research Associate - Modeling Exoplanets Plasmas
Department	Space Science and Technology (LoCSST) https://ulcar.uml.edu/about.html
Institution	University of Massachusetts, Lowell Lowell, Massachusetts
Date Posted	Nov. 15, 2019
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Astronomy and Astrophysics Physics - Atomic/Molecular/Optical/Plasma
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Apply By Email

Job Description

Job no: 503644

Position type: Staff Full Time

Benefit Status: Benefited-Union

Campus: UMass Lowell

Department: Space Sci. & Tech. (LoCSST)

Salary: Anticipated salary \$55,000/year-contingent on grant funding

Applications Open: Nov 13 2019

Applications Close:

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General Summary of Position:

Applications are invited for a postdoctoral position at UMass Lowell Center for Space Science and Technology, to work on modeling radio emissions from exoplanets and star-planet interaction, with Dr. Ofer Cohen.

The successful applicant will develop MHD codes to simulate modulation of stellar radio emission by transiting exoplanets, star-planet interaction, and will perform coupled simulations of the plasma environment around short-orbit exoplanets. The applicant will also develop code coupling between stellar coronae and planetary magnetospheres models.

Minimum Qualifications (Required):

Ph.D. in Space Physics, Astrophysics, computational physics or related field

Computational, coding, and model development, plasma physics modeling, space plasma physics or astrophysical plasmas, strong theoretical background

Model development, theoretical physics skills, good communication skills

Special Instructions to Applicants:

Only current UML Employees within the Grants & Contracts (MTA/GRACE) bargaining unit will be considered during the first 10 business days of the posting. All other candidates will be considered after that period.

Review of applications will begin immediately and continue until the position is filled; however, the posting may close when an adequate number of qualified applications are received.

This position is contingent upon funding. The initial appointment will be for two years with a possibility of renewal contingent upon funding for another year, along with successful performance.

Please include a CV, cover letter and research interest with your application. Names and contact information of three references will be required during the application process.

EEO/AA Policy

The University of Massachusetts Lowell is committed to increasing diversity in its faculty, staff, and student populations, as well as curriculum and support programs, while promoting an inclusive environment. We seek candidates who can contribute to that goal and encourage you to apply and to identify your strengths in this area.



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The University of Massachusetts Lowell is an Equal Opportunity/Affirmative Action, Title IX employer. All qualified applicants will receive consideration for employment without regard to race, sex, color, religion, national origin, ancestry, age over 40, protected veteran status, disability, sexual orientation, gender identity/expression, marital status, or other protected class.

Contact Information

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

Contact

Lowell, MA 01854