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Postdoc in Atomistic Simulations of Disordered Materials at UCLA
University of California, Los Angeles

Direct Link: https://www.AcademicKeys.com/r?job=141067
Downloaded On: Aug. 5, 2020 7:05am
Posted Apr. 9, 2020, set to expire Aug. 9, 2020

Job Title	Postdoc in Atomistic Simulations of Disordered Materials at UCLA
Department	Physics of AmoRphous and Inorganic Solids Laboratory (PARISlab) http://www.lab-paris.com
Institution	University of California, Los Angeles Los Angeles, California
Date Posted	Apr. 9, 2020
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Post-Doc
Academic Field(s)	Physics - Condensed Matter/Low Temperature Physics - Atomic/Molecular/Optical/Plasma Nanotechnology Geology - Geophysics Geology - Geochemistry Computer/Information Sciences Chemistry - Inorganic Chemistry - General
Job Website	http://www.lab-paris.com/?p=959
Apply By Email	bauchy@ucla.edu

Job Description

The Physics of AmoRphous and Inorganic Solids Laboratory (PARISlab) at University of California, Los Angeles (UCLA) is seeking some outstanding candidates for several open postdoctoral positions starting in Summer or Fall 2019. Special emphasis is placed on recruiting candidates with a Ph.D. in

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materials science, physics, mechanical engineering, chemical engineering, or related fields. Focus is placed on candidates with a demonstrated expertise in atomistic simulations.

Open positions:
The successful candidates will work on projects related to atomistic simulations of non-crystalline materials. Topics of interest include, but are not limited to:
- Classical, reactive, and ab initio simulations of inorganic materials,
- Enhanced sampling techniques, metadynamics, umbrella sampling, etc.,
- Accelerated simulations techniques,
- Artificial intelligence, machine learning, and materials informatics,
- Development of interatomic potentials using machine learning,
- Multi-scale simulations methods.

The candidate will work in the group of Prof. Bauchy at UCLA, in strong collaboration with other computational students/postdocs in PARISlab and experimental collaborators.

Required qualifications:
For consideration, applicants should possess the following qualifications or attributes:
• Ph.D. degree from a reputable university in a topic of relevance (see above),
• Interest in pursuing a research career,
• Experience in computational materials science, as demonstrated by a strong publication record,
• Strong interest in programming and computational approaches,
• Ability to work in an interdisciplinary team,
• Interest in working in a fast-paced research environment.

Applicants with relevant experience will be given special preference. The successful candidates will be expected to take personal initiative to structure tasks to meet project functions and author high-impact publications. The candidate will also be expected to mentor students, teach courses in relation to expertise (if opportunity arises), fulfill project administration functions, prepare research reports, and assist in proposal development. The candidate is expected to meet programmed project goals and can respond to deliverable timelines as are typical in “academia-industry” collaborative research. All positions are programmed for a 1-year duration but can be extended by mutual agreement.

How to apply:
If you meet the above requirements and are interested in this position, please provide by email (bauchy@ucla.edu) a detailed resume, a short personal statement explaining your scientific and research interests, and contact information for three referees in support of your application (as PDF files). Recruitment will remain open until the positions are filled.

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Contact:
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Contact Information

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

Contact Prof. Bauchy
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Contact E-mail bauchy@ucla.edu