

Post-doc Research Associate
Iowa State University

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Posted May 14, 2021, set to expire Sep. 13, 2021

Job Title Post-doc Research Associate
Department Mechanical Engineering
<https://www.me.iastate.edu/>
Institution Iowa State University
Ames, Iowa

Date Posted May 14, 2021

Application Deadline Open until filled

Position Start Date Sep. 1, 2021

Job Categories Post-Doc

Academic Field(s) Mechanical Engineering
Material/Metallurgy
Energy Technology
Chemical/Petroleum

Apply Online Here https://isu.wd1.myworkdayjobs.com/IowaStateJobs/job/Ames-IA/Postdoc-Research-Associate--ME-Engineering_R4851

Apply By Email

Job Description

Summary of Duties and Responsibilities:

The postdoc research associate will work on a project related to electrocatalysis and fuel cell, supervise undergraduate and graduate students, and manage equipment in the lab.

Required Minimum Qualifications:

PhD.

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Preferred Qualifications: Ph.D. degree on Materials Sciences and Engineering, Materials Chemistry, Chemical Engineering, or related fields, before the start date.

The candidate must have prior research experiences and publications in the areas of electrocatalysis and fuel cells.

The research team welcomes individuals who are highly motivated, self-driven, and responsible and who have strong background on the following areas: (1) Synthesis and characterization of metal/metal oxide nanomaterials (hydrothermal, sol-thermal, chemical vapor deposition, physical vapor deposition); (2) Assembly and testing of fuel cells (I-V test, cycle life test, linear scanning voltammetry, cyclic voltammetry, electrochemical impedance spectroscopy, etc.); (3) Electrocatalyst performance characterization (tafel plot analysis, electrochemical active surface area measurement, etc.)

Number of Months Employed Per Year: 12 Month Work Period

Time Type: Full time

Pay Grade: Post Docs

Application Instructions:

To apply for this position, please go to the following job application portal on Workday.

https://isu.wd1.myworkdayjobs.com/IowaStateJobs/job/Ames-IA/Postdoc-Research-Associate--ME-Engineering_R4851

Please be prepared to enter or attach the following:

- 1) Resume/Curriculum Vitae
- 2) Letter of Application/Cover Letter
- 3) Contact Information for Three References

The candidate selected for hire may be requested to provide documentation to verify highest degree completed.

EEO/AA Policy

Iowa State University is classified as a Carnegie Foundation Doctoral/Research University-Extensive, a member of the Association of American Universities (AAU), and ranked by U.S. News and World Report as one of the top public universities in the nation. More than 30,000 students are enrolled and are served by over 6,200 faculty and staff.

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Iowa State University is a global and culturally diverse university committed to providing an inclusive, equitable, and diverse environment for both learning and employment. We know that diversity in experience and perspective is vital to advancing innovation, critical thinking, solving complex problems, and building an inclusive academic community. At Iowa State, we translate these values into action by seeking individuals who have experience working with diverse students, colleagues, and constituents. The university has an expectation that all employees will demonstrate a contribution to diversity and inclusion as embodied in Iowa State University's Principles of Community.

All offers of employment, oral and written, are contingent upon the university's verification of credentials and other information required by federal and state law, ISU policies/procedures, and may include the completion of a background check and/or a consumer credit check.

Iowa State University is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, genetic information, national origin, marital status, disability, or protected veteran status and will not be discriminated against. Inquiries can be directed to the Office of Equal Opportunity, 3410 Beardshear Hall, 515 Morrill Road, 515 294-7612, email eooffice@iastate.edu.

If you have questions about the application process please email employment@iastate.edu or call 515-294-4800 or Toll-Free at 1-877-477-7485. Iowa State University provides reasonable accommodations to applicants and employees with disabilities. Applicants with questions about access or requiring a reasonable accommodation for any part of the application or hiring process should email employment@iastate.edu or call (515) 294-4800 or Toll-Free: (877) 477-7485. TTY users are welcome to use the Iowa Relay Service number by dialing 7-1-1 or (800) 735-2942.

General ISU compensation information can be found here: <https://www.hr.iastate.edu/careers/compensation>

Contact Information

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

Contact Dr. Shan Hu
 Mechanical Engineering

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