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Assistant Researcher (Solar Forecasting)

Job Code: 70270T

#70270T. Non-Tenure track, limited-term appointment; federal funds, not to exceed 12/31/13. Position to begin approximately March 15, 2013; renewable subject to funding and operational needs. **Duties**: Collaborate with Institute Director and senior faculty to formulate and execute research in the area of analysis of solar resources including development, deployment and demonstration of state-of-the-art solar forecasting. Specific duties to include but not limited to: Initiate and develop a sustainable and nationally recognized research program in the area of solar forecasting. Formulate and execute research and analysis in the area of solar forecasting to address impact of intermittent renewable energy generation on island grid systems. Develop state-of-the-art modeling tools for solar forecasting from sub-hour to daily timescales. Assess, acquire, host and modify applicable software tools to integrate geostationary satellite data and numerical weather model resulting in a 3-D model space to assess the applicability to provide solar forecast in the micro-climates of Hawaii. Create, analyze, and summarize data products Develop data analysis tools for time-series data streams. Prepare and execute project summaries, reports and presentations for funding agencies and for presentation at national and international professional meetings. Publishes research in peer-reviewed journals and in other forms as appropriate. Perform other duties as required. **Minimum Qualifications**: Ph.D. from an accredited four year college or university with a major in engineering, natural sciences or related field relevant to duties of the position. Candidate must demonstrate a record of accomplishment in the areas of spatio-temporal data analysis and numerical modeling. Demonstrated excellent written and oral communication skills including record of publication in peer-reviewed journals. Proven ability to work effectively in a team environment and establish and maintain professional relationships with other personnel and collaborators. **Desirable Qualifications**: Prior experience in developing software programs utilizing the following languages MATLAB in a Unix/Linux OS, C-shell scripting, and IDL. In addition, experience in engineering data analysis, grasp of remote sensing from satellite and in situ data sources to collect, store, and process data to support solar forecasting tools. **Salary**: R3, commensurate with qualification and experience. **Application Procedures**: Submit letter of research interest, curriculum vitae, three letters of recommendations from work-related references, and a relevant first-author publication. Official transcripts will be required at time of hire. All application documentation must be postmarked by the closing date and will become the property of the school. Submit application to: Personnel Officer, Hawaii Natural Energy Institute, University of Hawaii at Manoa, 1680 East West Road, POST 109, Honolulu, HI 96822. **Closing Date**: Postmarked by March 1, 2013. Incomplete applications will not be accepted.

Expires: Check Closing Date
03/01/2013
Contact Link: Richard E. Rocheleau [1]
More Info: Employment [2]
Last Updated: Wednesday, February 13, 2013

Hawaii Natural Energy Institute ? 1680 East West Road, POST 109 ? Honolulu, HI 96822 ? Ph: (808) 956-8890 ? Fax: (808) 956-2336 ? Email:Contact ?

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