Tenure Track Position at the University of Michigan

The Atmospheric, Oceanic and Space Sciences (AOSS) Department at the University of Michigan (UM) is seeking tenured or tenure-track applicants at the assistant professor or higher level for a climate/climate change or hydrosphere-atmosphere-interactions modeler.

We seek applicants who are interested in the prediction of high-impact local weather events, the statistics of these events in a future climate, and/or regional-local climate predictions. The applicant would work with a team interested in the software challenges facing petascale computing efforts to enable region-local predictions. This requires a significant redesign of climate science applications, libraries, numerical methods and algorithms to reach the level of parallelism needed to fully utilize the newest generation of computer architectures. Applicants that have the potential to bridge the gap between these libraries, numerical methods and algorithms for regional-local prediction would be favored, but interest in the science of predicting regional scale extrema and events is also of interest. Applicants may be eligible for a courtesy appointment in the Computer Science division in the Department of Electrical Engineering & Computer Science.

This position was awarded to AOSS under UM’s Interdisciplinary Junior Faculty Cluster Hire initiative. The Cluster Hire includes four proposed hires in the Departments of Materials Science & Engineering, Atmospheric, Oceanic & Space Sciences in collaboration with Civil & Environmental Engineering, Mathematics, and Electrical Engineering & Computer Science. Successful candidates will work in their primary disciplinary area but could also contribute to the development of high-performance computing.

The successful candidate will be expected to (1) develop a widely recognized research program, (2) attract external funding, (3) mentor graduate students and (4) participate in the teaching mission of the AOSS department at both the graduate and undergraduate level. Candidates capable of developing collaborative relationships in research and teaching are of particular interest. A PhD in atmospheric science, scientific computing or another relevant discipline is required. Applications should include a cover letter, CV, a concise personal statement describing the candidate’s vision for research and education, and a list of at least four references.

For full consideration applications should be received before January 5, 2011. Questions concerning these positions and applications (in a single pdf file) should be directed to penner@umich.edu.

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programs and activities, and admissions. Inquiries or complaints may be addressed to the Senior Director for Institutional Equity, and Title IX/Section 504/ADA Coordinator, Office of Institutional Equity, 2072 Administrative Services Building, Ann Arbor, Michigan 48109-1432, 734-763-0235, TTY 734-647-1388. For other University of Michigan information call 734-764-1817.