

**Postdoctoral Research Opportunities
Watershed Hydrologic and Biogeochemical Modeling
Michigan State University**

We seek two postdoctoral associates to lead data analysis and modelling efforts for ongoing watershed hydrology and biogeochemistry projects in the Hydrogeology Lab and the Watershed Science & Hydroecology Lab at Michigan State University. One postdoc will lead efforts to improve coupled groundwater-surface water hydrology models and the second postdoc will lead efforts to model and predict solute flux patterns across watersheds. Both postdocs will ultimately apply their models to evaluate regional and global change impacts on water resources. These labs represent a rapidly growing multidisciplinary team examining the influence of changes in climate and land use on water resources, coastal invasive species, watershed nutrient and pathogen transport, near-shore harmful algal blooms, and the sustainability of agricultural practices. Michigan State University represents a large and vibrant community for water research.

These positions require a Ph.D. by the start date of employment in hydrology, ecosystem ecology, environmental engineering, ecoinformatics, or related field. Preferred research skills and interests include demonstrated knowledge of mechanistic modeling, geospatial analysis, machine learning, statistical modeling, and time series analysis. Strong computer programming skills (especially MATLAB, Python, R and/or FORTRAN) are required. A record of publications and knowledge of catchment science is desired. We will begin reviewing applications on 1 December 2015, and the search will remain open until suitable candidates are found. Start date is flexible in 2016. For more information on these research groups, please visit <http://hydrogeology.glg.msu.edu> and www.msu.edu/~jpz.

To apply, please send letter of application detailing research interest and experiences, curriculum vitae, and names of 3 references (with telephone numbers and email addresses) to:

Please direct questions about the positions to Dr. David Hyndman (hyndman@msu.edu) and Jay Zarnetske (jpz@msu.edu). [cc all correspondences to geosci@msu.edu]

Michigan State University is an Equal Employment Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability or protected veteran status or any other characteristic protected by law and University policy.



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