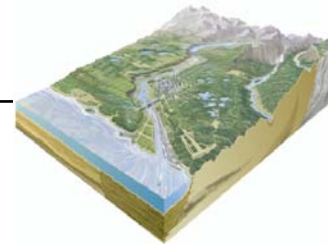


PENNSTATE



***Postdoc/Research Associate Position  
in Hydropedology/Soil Hydrology and Hillslope/Catchment Hydrology***

A highly-motivated individual is sought to join an interdisciplinary team to work on a NSF-funded project in establishing one of the first National Critical Zone Observatories in central Pennsylvania (the Shale Hills Observatory). The project will build upon an extensive existing database and utilize cutting-edge and innovative approaches to study interactive hydrologic and pedologic processes and landscape-soil-hydrology-ecosystem relationships across space and time. In particular, this person will focus on the mapping, monitoring, and modeling (3M) of subsurface preferential flow networks and soil moisture spatial-temporal patterns across scales, and their impacts on regolith formation and chemical/nutrient cycling, through an integrated approach of soil-landscape modeling, advanced hydrometry, hydrogeophysical investigations, and tracer studies. Skills in wireless sensor network are helpful. Additional skills and experience in soil hydrology instrumentation and field survey/mapping of landscape-soil-water-ecosystem are desirable as are skills and experience in geospatial technologies, spatial-temporal statistics, landscape hydropedology, and hillslope/catchment hydrology. Ability to publish quality research results in scholarly journals and contributions to grant proposals are expected. Applicants must have a strong interest in fundamental process-oriented research, enjoy field data collections using various sensors and tracers, and be skillful in quantitative modeling. Applicants should have a Ph.D. in soil science (particularly soil physics/hydrology and pedology), or hydrology (especially hillslope and watershed hydrology), or geosciences (including geophysics, geomorphology and hydrogeochemistry), or a related discipline. This position is also open to those who have a MS degree and have interest in pursuing a Ph.D. in relevant areas. Demonstrated excellence in technical, oral, written, and interpersonal communication skills is expected.

Consideration of candidates will start immediately and will continue until a qualified candidate is appointed. Initial appointment is twelve months and can be started immediately (starting date negotiable). The position is renewable for a total of 3 years contingent upon satisfactory performance and fund availability. Salary is commensurate with experience and complies with the Penn State guidelines. If interested, please email a curriculum vitae (including list of publications), names and addresses (email and phone) of three references, a one-page statement of research interests and long-term goals, and a copy of academic transcripts to: Dr. Henry Lin at [henrylin@psu.edu](mailto:henrylin@psu.edu), Department of Crop and Soil Sciences, 116 ASI Building, The Pennsylvania State University, University Park, PA 16802. For more information, please visit <http://hydropedology.psu.edu/>.