

ANNOUNCEMENT #1

Understanding the hydrologic implications of landscape structure and climate - Towards a unifying framework of watershed similarity

Doctoral Opportunities in Watershed Hydrology / Hydrologic Modeling. Two research assistantships (PhD) are currently available for outstanding students to study the dominant controls on the streamflow response of watersheds through physically-based and empirical analyses. Both PhDs will be funded by a recently awarded National Science Foundation grant.

One PhD will work on the development of predictive models from physical-principles, while the second will work on creating an empirical uncertainty framework to analyze watershed behavior. This is a three institution project between Penn State, the University of Arizona and the University of Illinois - Urbana-Champaign. Students will have the opportunity to receive a degree in Hydrology and Water Resources (University of Arizona) or in Civil and Environmental Engineering (Penn State). The positions provide full support at about \$20,000 annually, plus tuition and benefits.

Please contact Dr. Thorsten Wagener (tuw4@psu.edu, +1-814-865-5673) or Dr. Peter Troch (patroch@hwr.arizona.edu, +1-520-626-1277) for further information.

ANNOUNCEMENT #2

PhD Position in Hillslope Hydrology

The University of Arizona, Department of Hydrology and Water Resources is looking for a highly motivated PhD student to conduct research in the area of water balances for semi-arid catchments. More specifically, the research will focus on the importance of **hillslope hydrological processes** (surface runoff, vadose zone storage, interception and transpiration, subsurface flow, and recharge) in complex terrain in an attempt to better understand mountain block/mountain front recharge and the travel times of water through semi-arid catchments. Both **experimental and theoretical investigations** will be performed. The project is a collaborative effort between the U of A Department of Hydrology and Water Resources and **SAHRA** (an NSF Science and Technology Center). Candidates must have strong interest in both field experimentation and hydrological modeling, possess excellent quantitative and computational skills, and be effective oral and written communicators. The ideal person will have experience in one or more of the following: hydrological field experimentation (including isotope tracers), hydrological modeling, and programming applications.

For further information contact **Dr. Peter A. Troch** (patroch@hwr.arizona.edu)