A PhD student position in hydrologic and water quality modeling at University at Albany-State University of New York (SUNY)

Institution: University at Albany-State University of New York (SUNY)
College: Engineering and Applied Sciences
Department: Environmental and Sustainable Engineering
Location: Albany, New York, USA

About University at Albany: Established in 1844 and designated a University Center of the State University of New York in 1962, the University at Albany's broad mission of excellence in undergraduate and graduate education, research and public service engages a diverse student body of more than 17,000 students in nine schools and colleges across three campuses.

Position Description: Dr. Yaoze Liu invites applications for a graduate research assistant position working toward a PhD in the research area of hydrologic and water quality modeling. This position is funded by United States Department of Agriculture-National Institute of Food and Agriculture (USDA-NIFA). The student will develop and apply a hydrologic/water quality model and an optimization-based decision support system (DSS) to improve water resources sustainability at the field and watershed scales, with a focus on agricultural best management practices (BMPs). This position is available immediately.

Required Qualifications:
(1) BS or MS degree in agricultural engineering, environmental engineering, or other closely related disciplines.
(2) Excellent written and oral communication skills.
(3) Highly self-motivated.

Preferred Experience:
(1) Hydrologic/water quality modeling using SWAT (Soil and Water Assessment Tool).
(2) Programming languages, such as Python, Matlab, C++, or FORTRAN.
(3) ArcGIS application.

Interested candidates are encouraged to contact Dr. Yaoze Liu (yliu46@albany.edu) via email with the following information:
(1) A one-page cover letter describing the student’s experience and qualifications.
(2) Detailed curriculum vitae with a full list of published and submitted papers.
(3) Contact information for three academic references.
(4) Copies of transcripts.
(5) GRE test score (if available).
(6) TOEFL or IELTS test score if the candidate’s native language is not English (can be waived under certain conditions).

Review of applications will begin immediately and continue until the position is filled.

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