Ph.D. study assistantships available

Position Description
Professor Xu Liang's group at the University of Pittsburgh is seeking motivated applicants for 1-2 fully funded PhD positions, starting Fall 2023 or Spring 2024. The projects will focus on modeling integration studies with Cyberwater2 infrastructure that is under development for 1) hydrology and land surface modeling including model couplings, and 2) model parameter estimation, data assimilation, and machine learning.

The successful applicant will have a MS degree in either hydrology, geoscience or geotechnical engineering or related fields such as applied physics or applied math, with an excellent academic record, and demonstrate good communication and scientific writing skills and experiences with modeling. C and Python skill is a plus.

Interested applicants should send the following materials as a single pdf file to Professor Xu Liang (xuliang@pitt.edu): 1) a resume (with TOEFL scores, if required; or equivalent information such as IELTS scores), 2) a brief statement of research experience, coding skills and interests, 3) BS (and MS) transcripts. **Please use "PhD application_Your name" as the email subject line.** Review of applications will begin immediately and continue until the positions are filled.

Related Links
Professor Liang's Website: https://www.engineering.pitt.edu/people/faculty/xu-liang/
Professor Liang's Google scholar page:
    https://scholar.google.com/citations?user=TF3SfngAAAAJ&hl=en
Overview of current research project:
    In Pitt Swanson School of Engineering news: https://news.engineering.pitt.edu/taking-cyberwater-one-step-further-to-solve-the-climate-crisis/
    In YouTube: https://www.youtube.com/watch?v=edxgX8b-xEw
    In CUAHSI website: https://www.cuahsi.org/cyberwater
Department website: https://www.engineering.pitt.edu/departments/civil-environmental/
Graduate admission: https://www.engineering.pitt.edu/departments/civil-environmental/admissions/civil--environmental-graduate-admissions/
Alumni spotlight from Liang's group: https://news.engineering.pitt.edu/alumni-spotlight-shugong-wang-phd-cee-11/

About Pitt
The University of Pittsburgh is a state-related research university, founded as the Pittsburgh Academy in 1787. Pitt landed at 45 in the 2022-2023 U.S. News & World Report's Best Global Universities rankings and is among the nation's oldest and most distinguished comprehensive universities, with a wide variety of high-quality programs in the arts, sciences, and engineering as well as professional fields. Pittsburgh has been consistently ranked as one of the best places to live in the US (https://www.visitpittsburgh.com/media/press-kit/pittsburgh-accolades/).
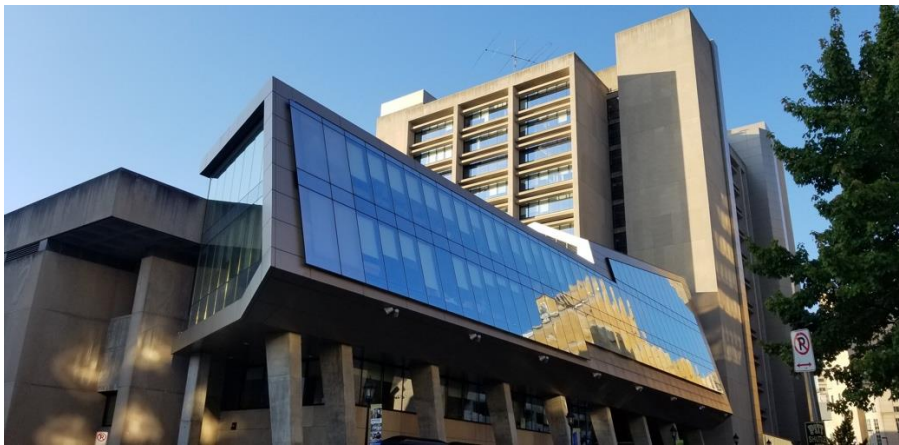
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