

Start date: January 2021.

Position: Remote Sensing in Hydrology

A PhD position is available in the School of Civil and Environmental Engineering at the Georgia Institute of Technology (Georgia Tech). The position is part of the project "Soil Moisture Dynamics And Water Fluxes In The Amazon Basin During Dry Periods And Droughts- An Application of SMAP Observations" funded by NASA. The successful applicant will join the Prof. Jingfeng Wang research group and will collaborate with project partners at JPL (Andreas Colliander) and the LBNL (Robinson Negrón-Juarez).

The main objective of the project is to produce process-based algorithms to improve SMAP soil moisture observations in the Amazon using extensive field data. Experience in field campaigns, excellent communication and writing skills, and programming knowledge (Fortran and python) are needed for this position. Trips to the Amazon rainforest will be part of this position too.

Please check the Georgia Tech home page for details about the graduate student program requirements (<http://grad.gatech.edu/degree-programs>). For specific details about the position please contact Prof. Jingfeng Wang at Jingfeng.wang@ce.gatech.edu