

Two PhD Graduate Assistantships available

The MAP (Monitoring, Assessment and Prediction) Group in the School of Forestry and Wildlife Sciences and the CHESS (Climate-Human-Earth System Sciences) Cluster at Auburn University invites highly motivated applicants to join us as PhD graduate students for investigating the cutting-edge research issues in regional and global environmental changes by using satellite observation, geospatial analysis and computer simulation:

Position 1: Geospatial Modeling and Satellite Observation. Research may include but not limit to: geospatial modeling and remote sensing observation; Big Data and CyberGIS; incorporate satellite data with terrestrial ecosystem models; Land/Aquatic Data Assimilation System (LADAS) . The perspective students should possess a degree in Remote sensing/GIS, Geography, Earth system science, Natural resources and environment, Computer science.

Position 2: Dynamics of Coupled Human-Natural Systems. Research may include but not limit to: a conceptual and theoretical framework for social-economic-ecological systems; Linking economic models with ecosystem models for integrated assessment at multiple scales from landscape, watershed, and regional to global; land use dynamics; and food-water-energy nexus; geospatial-statistical modeling that incorporates diverse data analyses at multiple spatial and temporal scales;.The perspective students should possess a degree in economics or agricultural economics or environmental economics, human geography, environmental science, statistics.

Perspective students should have some experience or interest in quantitative analysis, or geospatial analysis with GIS and remote sensing, or computer programming, good written and oral communication skills and a demonstrated ability to function well within interdisciplinary teams. Interested applicants should send a cover letter outlining their qualifications, resume, and copies of transcripts, and contact information for three references to Prof. Susan Pan (panshuf@auburn.edu) in the School of Forestry and Wildlife Sciences Auburn University, 602 Duncan Drive, Auburn, AL 36849, USA.