Post-doctoral scholar position: Modeling the Food-Energy-Water Nexus
Earth System Science Interdisciplinary Center,
University of Maryland College Park

We are seeking applicants for a post-doctoral scholar position in interdisciplinary earth system modeling, focusing on the interconnections between food, energy, and water systems in a changing environment. The project's goal is to develop an integrated modeling framework that couples existing state-of-the-art climate, hydrology, agriculture, agronomy, and economy models. The post-doctoral scholar will work with Professor Xin-Zhong Liang at the University of Maryland, as well as an interdisciplinary team including leading researchers from several universities.

The post-doctoral scholar will focus on system development, model integration and evaluation, and performing simulations and analyses. This will involve coupling, testing, and evaluating model components and the integrated system. The scholar will be encouraged and supported in conducting and publishing research.

Qualifications:

Applicants should have a Ph.D. in atmospheric, hydrologic, agricultural, or climate sciences, and a strong background in model development. They must have experience and skill in programming (particularly Fortran and C) and parallel computing, as well as analytical skill in model evaluation.

To apply:

Interested applicants should submit a cover letter, CV, and contact information for three references to Professor Xin-Zhong Liang at xliang@umd.edu. The position is available immediately, and applications will be reviewed on a rolling basis until the position is filled.