

## **Postdoctoral Scholar**

### Earth System Analysis for Climate Risk Management

The Earth and Environmental Systems Institute (EESI) at Penn State, University Park seeks outstanding applicants for two postdoctoral scholar positions focusing on analysis of strategies to manage climate risks. Successful candidates will join a transdisciplinary research team that analyzes two main questions: (i) How can paleoclimatic and instrumental records improve our mechanistic understanding of the Earth system and inform hazard assessments? (ii) How can this scientific information be used to improve the design of climate-risk management strategies?

The ideal candidate would have a strong background in a field such as Earth system science (e.g., atmospheric science, geosciences, oceanography), Bayesian statistics, operations research, decision analysis, or applied mathematics. The postdoctoral scholar will have considerable freedom to collaboratively design the research within the scope of the broad questions outlined above. Possible example projects include uncertainty analysis of climate projections, decision analysis of climate change adaptation and mitigation strategies, and risk analysis of proposed geoengineering strategies. The positions provide unique opportunities for research, education, outreach, decision support, and professional development, as well as mentoring by a team of experts in relevant disciplines.

To be considered for these positions, applicants should include a curriculum vitae, a cover letter with a summary of relevant skills and experience, reprints of two manuscripts, and contact information for three professional references. Review of applications will begin immediately and continue until the positions are filled. This is a fixed-term position with excellent opportunities for renewal. For more information, please contact Dr. Klaus Keller ([klaus@psu.edu](mailto:klaus@psu.edu)).

**APPLY HERE:** <https://psu.jobs/job/82973>

*Applicants should provide evidence, either woven through their application materials, or as a separate diversity statement, of a commitment to fostering diversity, equity, inclusive excellence, and belonging and of engagement which creates an inclusive environment in their department/workplace.*