

A **Research Assistant Professor** position is available in the Institute for a Secure and Sustainable Environment at the University of Tennessee, Knoxville (ISSE of UTK). The successful candidate will be expected to use multiple estimates from observed vegetation and soil fluxes and states to improve the land component of DOE-sponsored Energy Exascale Earth System Model (E3SM Land Model - ELM), especially the parameterization of wildfire and sun-induced chlorophyll fluorescence. With the updated ELM and other observation-model products, the candidate will also be responsible for investigating the driving mechanisms and feedbacks of long-term land surface changes (e.g., “greening” and “browning”). The research involves a collaboration with the Climate Change Science Institute at the Oak Ridge National Lab (CCSI of ORNL). Besides, the candidate is expected to develop proposals and publish quality papers. For additional information about the Institute, please visit <http://isse.utk.edu/>.

The selected candidate should have one or more of the following attributes: (a) a background in land surface model simulation, evaluation and development; (b) strong experience in assembling and diagnosing large models and observational datasets; (c) and strong programming skills in at least one of Fortran, R, Matlab, NCL or Python. The applicant should have a Ph.D. in an appropriate field (e.g., ecology, atmospheric science, geography or related area) at the time of appointment. The candidate will mainly work together with Prof. Mingzhou Jin (jin@utk.edu), the ISSE director at UTK, and Dr. Jiafu Mao (maoj@ornl.gov) from ORNL, and should have a strong interest in collaborative research with a team of modelers and experimentalists at both UTK and ORNL.

Individuals interested in applying should submit as a **single** PDF file consisting of a research statement; *curriculum vitae*; and the names and contact information for at least 3 professional references to Dr. Mingzhou Jin at isse@utk.edu. Review of applications will begin on July 15, 2020 and continue until the position is filled.

All qualified applicants will receive equal consideration for employment and admissions without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, or covered veteran status.

Eligibility and other terms and conditions of employment benefits at The University of Tennessee are governed by laws and regulations of the State of Tennessee, and this non-discrimination statement is intended to be consistent with those laws and regulations.

In accordance with the requirements of Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1990, The University of Tennessee affirmatively states that it does not discriminate on the basis of race, sex, or disability in its education programs and activities, and this policy extends to employment by the University.

Inquiries and charges of violation of Title VI (race, color, national origin), Title IX (sex), Section 504 (disability), ADA (disability), Age Discrimination in Employment Act (age), sexual orientation, or veteran status should be directed to the Office of Equity and Diversity (OED), 1840 Melrose Avenue, Knoxville, TN 37996-3560, telephone (865)974-2498 (V/TTY available) or 974-2440. Requests for accommodation of a disability should be directed to the ADA Coordinator at the Office of Equity and Diversity.