

Graduate assistantships/fellowships are available for self-motivated students to conduct innovative and high-impact research at the Center for Systems Integration and Sustainability (CSIS) at Michigan State University. Research topics may include coupled human and natural systems, telecoupling (socioeconomic and environmental interactions over distances, through means such as globalization, human and animal migration, species dispersal, species invasion, disease spread, sound/noise transmission, spread of pollutants and wastes, trade of goods and products, flows of ecosystem services, environmental and hydrological flows, foreign investment, technology transfer, water transfer, and tourism, www.csis.msu.edu/telecoupling), sustainability science, biodiversity conservation, ecosystem services, human well-being, land change science, forest and landscape ecology, global change, systems integration (integration of ecology with demography, economics, sociology, technology, and policy; integration of land, water, and/or energy), ecology and management of wildlife (e.g., giant pandas in China), and systems modeling and simulation (e.g., agent-based modeling). Papers on these topics by CSIS faculty and students have been published in journals such as Science, Nature, and PNAS (see <http://csis.msu.edu/research/publications>).

With flexible start dates, successful candidates can build on these previous studies and/or explore new frontiers of research. They will also have opportunities to interact with leaders and peers in these fields worldwide through various ways, such as the International Network of Research on Coupled Human and Natural Systems (CHANS-Net.org) and the NASA-MSU Professional Enhancement Awards Program (http://csis.msu.edu/news/2015_nasa_msu_award), which are organized by CSIS. More information about CSIS is available at <http://csis.msu.edu>.

Application materials include: (1) letter of application, (2) statement of professional goals, (3) CV or resume, (4) transcripts, (5) GRE scores, (6) TOEFL scores (for non-native English speakers only), (7) list of 3-4 references (names and contact information), and (8) up to three representative publications if any. Unofficial copies of GRE, TOEFL and transcripts are OK initially.

Applicants are encouraged to submit their application materials as soon as possible. Please email the application materials to Dr. Jianguo (Jack) Liu at liuji@msu.edu. Questions about these opportunities can also be emailed to Dr. Liu.

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