

The Center for Geospatial Sciences at the University of California, Riverside solicits applications for up to two postdoctoral scholars to support its ongoing projects listed as follows.

- **Scalable geospatial analytics in the social sciences.** This project is funded by NSF to develop a new body of spatial analytic methods for data intensive research in the social and behavioral sciences. You will work with GIScientists and Computer Scientists to develop the next generation of scalable, high performance spatial analytical techniques to address data uncertainty, segregation, and regionalization.
- **Spatiotemporal models to evaluate the potential value of sterile insect technique (SIT) for control of navel orangeworm (NOW).** This is an interdisciplinary project funded by the California Pistachios Research Board. You will work with GIScientists, agricultural entomologists, and agriculture economists to assess the ecological and economic feasibility of SIT for control of NOW. You will develop spatiotemporal agent-based models to simulate the activities of NOW and explore multiple scenarios for the use of SIT in tree nuts.

The postdoctoral scholar will work under the supervision of Professor Sergio Rey and Professor Ran Wei in collaboration with CGS and UCR faculty. The successful candidate will have a Ph.D. in geography, computer science, statistics, urban planning, or a closely related field, as well as the potential or demonstrated ability to conduct independent quantitative research in geographic data science and possess familiarity with computational social science. Candidates with experience in geocomputation and geosimulation are highly desired and experience with distributed computing and/or parallel processing is a plus. Candidates with the potential or demonstrated ability to work within and contribute to a diverse campus environment are strongly encouraged to apply. The initial appointment will be for one year with the opportunity to extend pending positive performance reviews and the availability of funding. The positions are available starting June 1, 2020 and applications will be considered until the positions are filled.

Equal Opportunity/Affirmative Action employer

The University of California, Riverside, is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, protected veteran status, or any other characteristic protected by law. Postdoctoral fellows at the University of California are represented by a labor union.

Apply for the job

To apply, please send the following materials (as a single pdf) to sergio.rey@ucr.edu and ran.wei@ucr.edu:

1. cover letter addressing your qualifications and research interests
2. current CV
3. contact information for three professional references

Also provide a representative publication or recent working paper as a separate pdf, and links to public software code repositories (e.g., github, bitbucket) or published software packages.

For more information please contact Professor Sergio Rey or Ran Wei.