

**ARIZONA STATE UNIVERSITY**  
An Equal Opportunity/Affirmative Action Employer

**POSITION DESCRIPTION:** Assistant Research Professor Job # 13997

**Overview:**

The Knowledge Exchange for Resilience (KER) within the School of Geographical Sciences and Urban Planning (SGSUP) at Arizona State University (ASU) seeks applications for up to three Assistant Research Professors with an anticipated start date as early as October 21, 2019 and preferably should be filled by November 1, 2019. The full-time, non-tenure-track, benefits-eligible, fiscal year (July 1 – June 30) positions are for one year. Extensions may be possible contingent upon satisfactory performance, availability of resources and the needs of the university.

The positions will contribute to spatial-temporal analysis, social data analytics, modeling, citizen science, and specific community resilience topics in service to ASU's Knowledge Exchange for Resilience (KER). KER is a university-wide effort to produce insights and solutions for community resilience themes in collaboration with residents, foundations, governments, private enterprise, nonprofits, and other groups. The co-creation of this knowledge is accelerated through the exchange of experiences and expertise between the university and the community on how individuals, groups, and institutions tend to respond to social, economic, and environmental disruption to known vulnerabilities, specific past threats, and challenges emerging from profound and rapid change.

The positions will be housed at ASU's Tempe campus. The Tempe campus has approximately 60,000 students and is located in the rapidly growing metropolitan Phoenix area, which provides a wide variety of recreational and cultural opportunities and is especially desirable for outdoor enthusiasts who enjoy biking, hiking, skiing, and other activities in the exquisite Arizona canyon lands and rugged terrain.

**Job Description:**

KER is seeking to fill up to three Assistant Research Professor appointments that will contribute to at least two of the areas listed below. The successful candidates will be expected to articulate and lead a specific plan of research to build on existing work and to drive a set of research activities that take KER's work in innovative directions in ways that contribute to knowledge for building community resilience. Recruited candidates will have demonstrated the capacity to assume a leadership role in developing successful integrative external funding proposals. There is the possibility of teaching depending on the recruited candidates' interests and university needs. Recruited candidates will also support the day-to-day operations of KER under the direction of the Executive Director.

Ongoing research areas of interest include:

- Community Resilience
- Spatio-temporal Analysis
- Social Data Analytics
- Modeling and/or Visualization of Complex Data

**Essential Duties:**

- Articulate and lead innovative resilience research, publishing in peer-reviewed journals
- Contribute to existing research projects and publications
- Lead the development of integrative external funding proposals
- Assist in mentoring current graduate students in their research
- Participate in knowledge exchanges with community partners
- Provide guest lectures as appropriate and consistent with your expertise for graduate / undergraduate courses, partner meetings
- Contribute to the day-to-day operations of KER

**Minimum Qualifications:**

- A Ph.D. in geography, statistics, computer science or a related field by time of appointment.
- Strong data analysis skills with software such as R, SPSS, Matlab, ArcGIS, ERDAS IMAGINE
- Demonstrated verbal and written communication skills (in English)
- Demonstrated research and publication record in the peer-reviewed literature within some aspect of the field of resilience
- Demonstrated potential to establish an externally-funded research program

**Desired Qualifications:**

- Strong programming skills (e.g., C, Fortran, Python, scripting languages, etc.)
- Strong modeling and/or visualization skills
- Experience in the development and writing of successful research proposals
- Experience working with community organizations external to the university
- Experience working with a variety of data sources and types, e.g. unstructured, qualitative, quantitative, socioeconomic, environmental, official, crowdsourced
- Experience working with citizen science programming

**To Apply:**

To apply, please submit the following as a **single PDF document**: to [sgsup.jobs@asu.edu](mailto:sgsup.jobs@asu.edu) with “KER ARP 13997” as the subject line text. A Statement of Research Interests (not to exceed 2 double-spaced pages); A complete Curriculum Vitae including a list of publications and the names/email address/phone numbers of three references. The file name for your PDF should be of the form <lastname>\_<firstname>\_13997.pdf.

Further inquiries should be made to Professor Elizabeth Wentz [wentz@asu.edu](mailto:wentz@asu.edu) (Dean of Social Sciences). Applications will be reviewed beginning September 14<sup>th</sup>, 2019; if not filled, applications will be reviewed every week thereafter until the search is closed. A background check is required for employment.

Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law.

<https://www.asu.edu/aad/manuals/acd/acd401.html>. <https://www.asu.edu/titleIX>.

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU’s Annual Security and Fire Safety Report is available online at <https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf> You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456.