School of Geographical Sciences and Urban Planning
Arizona State University

ARIZONA STATE UNIVERSITY
An Equal Opportunity/Affirmative Action Employer

POSITION DESCRIPTION:
Postdoctoral Research Scholar
Job # 12925

Overview:
The School of Geographical Sciences and Urban Planning (SGSUP) at Arizona State University (ASU) seeks applications for a Postdoctoral Research Scholar with an anticipated start date as early as August 1, 2019 and preferably should be filled by October 1, 2019. The full-time, non-tenure-track, benefits-eligible, fiscal year (July 1 – June 30) position is for one year. Extensions may be possible contingent upon satisfactory performance, availability of resources and the needs of the university.

The postdoctoral scholar will conduct research on an NSF-sponsored award involving the growth of bedforms in rivers.

The position 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:
SGSUP is seeking to fill one Postdoctoral Research Scholar appointment that will contribute to ongoing investigations of numerical and statistical-mechanical investigations of sediment transport by turbulent flows in the context of river bedform development.

Essential Duties:
- Contribute to numerical simulation studies of the role of turbulence and sediment transport in the formation of bedforms
- Help conduct laboratory research on the formation of bedforms
- Provide guest lectures as appropriate and consistent with your expertise for graduate / undergraduate courses
- Disseminate your research in peer-reviewed publications and professional conferences

Minimum Qualifications:
- A Ph.D. in geography, geology, or a related field by the time of appointment.
- Strong data analysis skills with software such as R, Matlab, or Python
- Demonstrated verbal and written communication skills (in English)
- Demonstrated research record in the fields of geomorphology, hydraulics, or other fields related to sediment transport in rivers

Desired Qualifications:
- Programming skills (e.g., C, Fortran, Python, scripting languages, etc.)
- Modeling and visualization skills
- Working understanding of fluid mechanics, turbulence, and sediment transport

- Experience conducting flume, stream table, or similar laboratory experiments

To Apply:
To apply, please submit the following as a single PDF document: to sgsup.jobs@asu.edu with "Schmeeckle Postdoc 12925" as the subject line text. The file name for your PDF should be of the form <lastname>_<firstname>_12925.pdf

- 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;

Further inquiries should be made to Professor Mark Schmeeckle (schmeeckle@asu.edu). The initial review of applications will begin July 3, 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.