Arizona State University School of Mathematical and Statistical Sciences: RTG Postdoctoral Research Associate in Statistics and Applied Mathematics (JOB#11901)

The School of Mathematical and Statistical Sciences (SoMSS) at Arizona State University (ASU) invites applications for an entry-level non-tenure-track position at the rank of Postdoctoral Research Associate starting in the fall 2017 in association with our NSF-funded Research Training Group (RTG) in Applied Mathematics and Statistics. This full-time, benefits-eligible position is renewable on an annual basis for up to three academic years, contingent upon satisfactory performance, availability of resources, and the needs of the university. Applicants must be within five years of receipt of their PhD to be considered for initial appointment or subsequent annual renewal.

The goal of this RTG is to address the challenges of rigorous analysis of data, particularly with very large data sets, by integrating three crucial areas: (i) statistics, (ii) computational mathematics, and (iii) applied harmonic analysis. Examples of research questions to be addressed by the synergy of these disciplines include (but are certainly not limited to): 1) finding and analyzing efficient and adaptive data collection strategies in sequential experimental design, 2) reconstructing a signal or image from incomplete or noisy data sources, 3) devising measurement and other data collection strategies that optimize the value of the data in subsequent statistical tests or estimators, and 4) developing new computationally efficient mathematical and statistical models and procedures for exploring and analyzing very large data sets. More details are available in the NSF award abstract. Summer research support is provided for the first two summers of the appointment along with an allowance for professional travel.

The duties of this position involve research in an area of statistics and/or applied mathematics that is consistent with the goals of the RTG along with a teaching load that is two courses per year. Applicants are required to have a Ph.D. in the mathematical or statistical sciences, or in a closely related field, by August 10, 2017; and the potential for excellent teaching and research. Consistent with NSF's eligibility guidelines for the RTG award, the successful candidate must be a citizen, national, or permanent resident of the United States by the time of appointment. The preferred qualifications include an established track record of research in applied mathematics, computational mathematics or statistics and an ability and willingness to learn from and collaborate with researchers in the other two areas.

To apply, please submit the following through https://www.mathjobs.org/jobs/jobs/10052:

- A cover letter that briefly explains the candidate’s interest in, and fit with, the position;
- A curriculum vitae;
- A personal statement addressing the candidate’s research program;
- A statement of teaching experience and philosophy;
- At least four letters of recommendation that must be submitted through MathJobs; one of these letters should address the candidate’s teaching qualifications.

Review of applications will begin on March 10, 2017, and continue until the search is closed. A background check is required for employment.