PostDoc Position in Brain Shape Analysis at LONI of USC

A post-doc position of brain shape analysis is immediately available at the Laboratory of Neuro Imaging (LONI) at Keck School of Medicine of USC.

In September 2013, the Laboratory of Neuro Imaging moved from UCLA to the University of Southern California (USC) to form the Institute for Neuroimaging and Informatics (INI), a world-class facility in which all the techniques for modern ultra-high-field and standard-field MRI brain scanning, image analysis, databasing, mathematics, genomic analysis, computation and medical imaging will be housed under one roof. At INI, we have the ideal environment for innovative brain imaging research. The LONI image data archive (IDA) is one of the largest brain image collections that hosts various imaging studies such as ADNI. The datacenter of INI boasts 3,328 cores and 26 terabytes of aggregate memory space for Big Data brain image analysis. The new INI will also house a state-of-the-the-art image acquisition center with both 3T and 7T MR scanners for human brain imaging. More information about our institute can be found at [http://www.ini.usc.edu](http://www.ini.usc.edu) and [http://www.loni.usc.edu](http://www.loni.usc.edu).

The post-doc fellow will be an integral part of our research team on algorithm development in brain image analysis. He/She will focus on the development of novel algorithms for the analysis of neuroanatomical structures with 3D shape modeling, and apply them in large scale brain image analysis. The ideal candidate should have a PhD in engineering, computer science, or applied mathematics, and strong background in brain or medical image analysis. Solid programming skills in C++ and Matlab are desirable. Interested candidates should their CV to Dr. Yonggang Shi (yshi@loni.usc.edu).