Position: Postdoctoral Researcher - Collaborative Biomedical Visualization
Salary: $31,044 - $35,000
Starting Date: October 2004

The Cal-(IT)² Visualization and Interactive Systems Group at the University of California, Irvine invites applications for a Postdoctoral Researcher in the general area of biomedical visualization. This collaborative research project is supported by Cal-(IT)² and is aimed at the development of new visualization algorithms and tools, enabling real-time collaboration between scientists located at spatially distributed research sites. The position provides a unique opportunity to gain experience in various aspects of advanced interdisciplinary research. The postdoctoral researcher will closely collaborate with researchers from the Visualization and Interactive Systems Group (VIS) and the Brain Imaging Center (BIC) at the University of California, Irvine (UCI) as well as the National Center for Microscopy and Imaging Research (NCMIR) at the University of California, San Diego (UCSD). Particular application areas include biomedical imaging, image processing, hardware-accelerated visualization and distributed rendering.

The position requires a Ph.D. in computer science, biomedical engineering or related field, and a demonstrated ability to work with an interdisciplinary research team. We seek a self-starter who can quickly grasp fundamental elements of technical problems and provide creative solutions while working with a team of graduate students. The candidate should have strong expertise in scientific visualization algorithms and techniques, parallel computing and rendering as well as a strong working knowledge of C/C++, Unix (Linux) and OpenGL. Good organization, communication, and writing skills are essential.

The initial appointment will be for a one-year period, with the possibility of an extension depending on performance and availability of funding.

Application deadline: October 15, 2004

Please send your curriculum vitae, a list of publications, and names of a least three references to:

Professor Falko Kuester  
Cal-(IT)² Visualization and Interactive Systems Group  
444D Engineering Tower  
University of California, Irvine  
Irvine, CA 92696-2625

Alternatively, materials may be submitted electronically to Professor Kuester (fkuester@uci.edu)

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