



Position: Postdoctoral Researcher – Large-Scale Earth System Science Visualization

Salary: \$31,044 - \$35,000

Starting Date: February 2004

The [Cal-\(IT\)² Center of Gravity](#) and the Earth System Modeling Facility ([ESMF](#)) at the University of California, Irvine ([UCI](#)) invite applications for a Postdoctoral Researcher in the general area of large-scale data visualization. This collaborative research project is supported by Cal-(IT)² and is aimed at the development of new visualization algorithms and techniques, enabling the real-time visualization and steering of Earth system model simulations. Particular application areas include visualization and interactive control of fast timescale small spatial scale and slow timescale large spatial scale environmental changes, e.g., dust storms and global warming, respectively.

The position requires a Ph.D. in computer science, Earth system science 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 a second year likely, depending on performance and availability of funding.

Application deadline: February 1, 2005

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

Professor Falko Kuester
Cal-(IT)² Center of Gravity (Graphics, Visualization and Imaging Technology)
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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