

Title: Computing Infrastructure Systems Professional

Job Description:

The University of Minnesota's MAST Laboratory (<http://nees.umn.edu/>) is seeking a skilled, highly motivated Computing Systems Infrastructure Professional to work as a contributing member of a dedicated team supporting research for earthquake engineering of structures. This challenging position involves implementation, use, maintenance, and enhancement of a diverse, integrated array of hardware, software, and network systems that includes state-of-the-art applications in telepresence and scientific visualization. In coordination with other team members, you will be responsible for operation, maintenance, and enhancement of the MAST video and still image systems, data archiving and visualization systems, systems for remote access to archived data, and systems for real-time remote observation during testing, and supporting network infrastructure. You will be interacting with faculty and graduate students from around the world who use the MAST facility, including providing training in the use of the equipment, managing use of telepresence equipment and functionality in the facility, and participating in all research projects undertaken in the MAST Laboratory. Additional duties will include coordinating and cooperating with other national facilities in the NEES earthquake engineering network. Salary and exact job title will be commensurate with education and experience.

Qualifications:

- B.S, M.S., M.Eng., or a Ph.D. degree in Civil Engineering, Computer Engineering, Electrical Engineering, Computer Science, or a related engineering discipline.
- Expertise in the specification, design, integration, and maintenance of computing systems for system control, video and still image acquisition and archiving, visualization, real-time remote observation in a client/server environment, and high-bandwidth networking applications.
- Expertise in applications programming using one or more of the object oriented programming languages such as C++ and Java and scripting languages such as Perl, PHP, and Python.
- Skills in web development including HTML/CSS and JavaScript.
- Highly self-motivated, with demonstrated good communication skills and the ability to work effectively in a team environment.

The University of Minnesota is an equal opportunity educator and employer, offering an excellent benefits package, including free tuition opportunities, within a stimulating work environment.

To apply, please visit our employment opportunities web site at <http://employment.umn.edu/applicants/Central?quickFind=65774>