

IT Infrastructure Specialist

Job Location: Washington, D.C.

Position Summary: Reporting to the Director of IT Initiatives, the IT Infrastructure Specialist provides technical advice, coordination and assistance in support of SURAGrid. A major area of emphasis is the development and implementation of a SURAGrid operations and support plan. The IT Infrastructure Specialist also serves as a technical resource for program planning and development in SURAGrid and other SURA IT programs. The position requires frequent contact with the academic research community, grid development community, SURA corporate partners and other synergistic organizations.

Duties and Responsibilities:

- Works closely with SURA IT management and SURAGrid participants to define, plan and support successful operation and growth of SURAGrid. Foci include but are not limited to: technology requirements; installation, configuration and optimization of resources; quality assurance for distributed operations; identification and development of integrative or centralized services.
- Coordinates closely with the SURA IT Program Manager and the Application & Outreach Specialist to plan and support effective, efficient deployment of research and education applications on SURAGrid.
- Develops processes, user documentation, web content and other support mechanisms to maintain a functional hardware and software environment for SURAGrid.
- Participates with other SURA staff and SURAGrid participants in the implementation of corporate partnerships, including developing technical components of partnership proposals, facilitating the porting, optimization and benchmarking of research applications, and facilitating the acquisition and integration of contributed resources.
- Liaises with other SURA program managers, e.g. SCOOP, Bio-health, JLab, to identify overlap in infrastructure needs and encourage use of and integration with SURAGrid.
- Interfaces with network service providers as required to ensure a functioning network environment for current operations and future expansion of SURAGrid.
- Manages sub-contracts related to infrastructure development or support on SURAGrid.
- Contributes technical leadership, evaluation, expertise, and writing to the development of collaborative proposals and partnerships in support of established and emerging SURA IT programs.
- Researches current and evolving information technologies, particularly related to scaling and security of grid technology, and provides analyses to SURA leadership and membership communities.
- Represents SURA, SURAGrid and the SURA membership at select regional, national or international technical forums focused on IT, networking, grid research, and other relevant topics.

Requirements:

- Bachelors degree in engineering or computer science, or equivalent combination of related undergraduate coursework and specialized training and experience.
- At least three years experience in the design, planning, deployment, operation and management of distributed information technologies or environments, with demonstrable success in project facilitation, leadership or management.
- Good understanding of grid concepts, technologies and directions, particularly related to the sharing of resources across organizational boundaries. Direct experience with one or more of the following related areas is required: identity management and security; portals and user interfaces; meta-services for scheduling, accounting, operations; integration of heterogeneous systems.
- Demonstrated ability to evaluate the impact of newly acquired knowledge and factor new understanding into activities in progress. Demonstrated ability to understand and explain technical concepts from an end-user perspective.
- Demonstrated ability and experience in planning, organizing, prioritizing, coordinating, and facilitating activities with internal staff and external collaborators. Ability to work independently while remaining supportive of team efforts and goals.
- Excellent interpersonal skills, discretion, judgment, organizational ability and initiative. Competency in problem solving, decision making, verbal and written communications, conflict resolution, and resource management.

We offer an attractive compensation and benefits package. To be considered, e-mail resume along with current salary requirement to jobs@sura.org referencing **IT Infrastructure Specialist**. No phone, faxes, or agencies please.