POSITION ANNOUNCEMENT

TITLE: RESEARCH SCIENTIST I
DEPT: ICASA

REG ☑ TEMP ☐ FULL TIME ☑ PART TIME ☐

STARTING RATE or SALARY RANGE: $55,000

JOB DUTIES:

Conduct research in complex systems analysis, and in particular, contribute to the analytic process under development by ICASA. Develop tools and techniques that support the modeling, simulation, and analysis of a variety of critical infrastructure systems. Work in teams with peer and student researchers to develop theoretical and applied solutions to problems of interest. Assist in the development of new ICASA research and development opportunities in conjunction with ICASA leadership. Perform basic and applied research relating to problems of interest to ICASA. Give presentations and updates locally and at sponsor sites.

REQUIRED QUALIFICATIONS:

Bachelor's degree required in Computer Science, Mathematics, or a closely related field. Master's degree preferred. Experience in the modeling and simulation of large scale critical infrastructure systems, such as computer networks, electric power grids, semantic-information networks required. Experience in the development of scientific software projects including prototypes and semi-production systems as well as experience in performing requirements analysis, design, implementation, and testing required. Outstanding communication skills, including experience in public speaking/lecturing required. Experience in mathematical and scientific modeling, including paradigms such as hybrid-dynamical systems modeling, cellular automata, agent-based modeling, and/or aggressive abstraction techniques for complex-systems analysis required. Experience with multi-user revision control system (e.g. CVS, subversion) desired. Experience in the design and execution of scientific experiments supporting a large-scale and iterative research objective desired. Applicant must possess or be willing and able to obtain a Department of Defense security clearance, to include polygraph examination, within the first year of employment.

Apply to: New Mexico Tech, Human Resources 801 Leroy Pl. Brown Hall Box 015, Socorro, NM 87801-4796