

Posted: January 28, 2020



REVISED 1/28/20
POSITION ANNOUNCEMENT

TITLE: RESEARCH SCIENTIST II (2)

DEPT: ICASA

REG

TEMP

FULL TIME

PART TIME

STARTING RATE or SALARY RANGE \$75,000-\$85,000

Employees being promoted to a higher classified position receive the minimum for the position or a pay rate adjustment of 8% whichever is greater.

INTERNAL POSTING THROUGH: January 22, 2020* CONSIDERATION WILL BE GIVEN FIRST TO TEMPORARY AND REGULAR TECH EMPLOYEES WHO APPLY WITHIN THE 7 DAY INTERNAL POSTING. APPLICATIONS RECEIVED AFTER THE 7 DAY POSTING MARGIN WILL BE CONSIDERED WITH OTHER OUTSIDE APPLICANTS.

JOB DUTIES:

Conduct basic and applied research in complex systems analysis, and in particular, contribute to and help lead the analytic process under development by ICASA. Develop tools and techniques that support the modeling, simulation, and analysis of a variety of critical-infrastructure and cyber-physical systems. Work in teams with peer and student researchers to develop theoretical and applied solutions to problems of interest, and support the development of undergraduate and graduate research interns. When possible, contribute to the basic research mission and health of the institute via publications, presentations, seminars, symposiums, and/or grant proposals.

REQUIRED QUALIFICATIONS:

Master's degree required area of study Electrical Engineering. (Bachelor's degree in the area of study Electrical Engineering with 7 years job experience in lieu of Master's degree). Knowledge and previous experience with the analysis of critical infrastructure systems, to specifically include Electric Power grids and/or Cyber Physical systems required. Experience in mathematical and scientific modeling, including paradigms such as hybrid-dynamical systems modeling, control systems, and numerical methods required. Outstanding communications skills required. A willingness and ability to collaborate with all involved faculty, students, research sponsors, and industrial collaborators required. Experience in scientific software development, including source-code development in relevant environments (e.g. C, Java, Matlab) desired. Must be a U.S. Citizen. Must be eligible and willing to obtain a DOD Top Secret/SCI security clearance.