

Postdoctoral Research Associates in Knowledge Discovery

**Computer Science and Engineering Division
Computer and Computational Sciences Directorate
Oak Ridge National Laboratory
Oak Ridge, Tennessee**

ORNL08-108-CSED

Project Description:

The Computational Sciences and Engineering Division of the Oak Ridge National Laboratory is seeking a candidate for a Post Doctoral Researcher. This is a one year post doctoral research position in novel applications of optimization theory to automated hypothesis generation in descriptive logics. The resulting research products will have direct application to the Intelligence Community and will help enhance our National security.

Qualifications:

Candidates must have a Ph.D. in Computer Science, Operations Research, Applied Mathematics or a related discipline. The ideal candidate will have experience with linear optimization (modeling and solution in large-scale systems), automated reasoning systems or applied or descriptive logics. Research will focus on the applications of these topics to automated hypothesis generation using mixtures of knowledge schemas and data. Research will be conducted with a mentor at Oak Ridge National Laboratory. This is a one year position however; exceptional individuals may be offered further employment with ORNL. Applicants cannot have received the most recent degree more than five years prior to the date of application appointment and must complete all degree requirements before starting their appointment.

Note: U.S. citizenship is required.

How to Apply:

Qualified applicants may apply online at https://www2.ornl.gov/ORNL_POST/. All applicants will need to register before they can begin the online application. For complete instructions, on how to apply, please see the instructions at <http://www.ornl.gov/orise/edu/ornl/ornl-pdpm/application.htm>. When applying for this position, please reference the position title and number.

This appointment is offered through the ORNL Postdoctoral Research Associates Program and is administered by Oak Ridge Associated Universities (ORAU). This appointment is open to all qualified U.S. citizens without regard to race, color, age, religion, sex, national origin, physical or mental disability, or status as a Vietnam-era veteran or disabled veteran.