

## **Cyber Security Research Position**

### **Computational Sciences and Engineering Division Oak Ridge National Laboratory Oak Ridge, Tennessee**

#### **ORNL08-58-CSED**

#### **Project Description:**

The Cyberspace Sciences & Information Intelligence Research (CSIIR) Group at the Oak Ridge National Laboratory (ORNL) seeks candidates for a postdoctoral position in cyber security and information assurance research.

The successful candidate will be expected to be innovative and creative in the developing of new research ideas, participate in ongoing research projects, and to participate in the proposals development process for potential funding of research projects.

The successful candidate must have extensive knowledge and demonstrated abilities with LAN/WAN hardware, network layer protocols, VPN's, Security, QoS, Remote/Local Access, Multi-Service (Voice and Video, Campus/MAN, WAN, Transmission Systems, SCADA Systems, Wireless and evolving protocols such as IPv6.

The successful candidate should have demonstrated knowledge of computer systems and network architectures, hardware and operating systems theory; networking principles and troubleshooting techniques; data communications, computer networks, and distributed systems theory; and TCP/IP.

The successful candidate should be able to demonstrate the capability to apply knowledge to perform research, design, develop, and engineer very complex computer networks and distributed computer systems.

The CSIIR Group in the Computational Sciences and Engineering Division (CSED) is a leader in the research, development, implementation, and application of systems, science, and technology for cyber security and information intelligence. The mission of CSIIR is to support national security and intelligence community programs through research, development, and application of cutting edge research.

#### **Position requirements:**

- A recent PhD in cyber security, computer science, operations research, mathematics, or a closely related discipline.
- Programming skills in a language such as C, C++, Java, or various application languages is desirable. Knowledge of parallel computing will be an added advantage.
- A strong background in network and cyber security capabilities and emerging technologies and knowledge of network architectures, hardware and operating system theory, along with communications, networking and distributed systems theory, is needed.

- Practical experience in modeling and simulation is a plus.
- Candidates should have excellent communications skills and a desire to work in an applied research environment.
- Information Security, Operations Research
- US citizens only

**Required disciplines:**

Computer Science, Mathematics and Statistics

**How to Apply:**

Qualified applicants may apply online at [https://www2.ornl.gov/ORNL\\_POST/](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 (ORNL08-58-CSED).

This appointment is offered through the ORNL Postdoctoral or Postmaster's 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.