

Coherent Technical Services, Inc.

Excellence in technical services

Position Title:

Sr. Principle Systems Engineer

Job Description:

CTSi is has an immediate opportunity for a Sr. Principle Systems Engineer with expertise in the area of computer and/or tactical networking to support research and systems development on various programs. Key competencies include: detailed knowledge of IP networking, emerging/experimental network protocols, and/or network control planes.

The candidate should also have experience in the development of large, complex, heterogeneous, digital communications networks – especially those involving military/tactical digital communications systems. **Please note that this is a science and technology position and NOT an IT position. The candidate is expected to be able to do research and development (not network installation, management, or maintenance).**

Education (including Major): BS in Electrical or Computer Engineering or Science, Physics, Mathematics, or a related field (MS or PhD preferred).

Experience:

- Six+ years experience in Systems Engineering or related experience
- At least 4 years in Networking, or equivalent.

Requires:

Detailed understanding of IP protocols and technologies.

Thorough understanding of computer and wireless networking.

Basic understanding of addressing, subnetting, unicast, broadcast, and multicast, routing and QoS protocols and related technologies, network control and management.

In addition to these core networking skills, the candidate must:

- Possess the ability to apply these skills to existing and new products.
- Be able to communicate and write effectively.
- Be willing and able to communicate and present technical information and materials to internal and external customers.
- Be able to write experimental code for network technology research.
- Be able to work within a structured Systems Engineering process environment including a task oriented, value based management system.

- Be able to interact with multidisciplinary teams of system design professionals including electrical, mechanical, software and logistics engineers.
- Be able to work with Business Development and Program Management to follow, assess and help win new programs.
- Be able to obtain a Secret Clearance.

Desired Skills:

There are several specialized skills that are necessary for the unique research effort the candidate may be selected for. The candidate must demonstrate experience or ability to develop competence in the following:

- Mobile ad-hoc networks (MANET) protocols and technologies
- Wireless networking waveforms
- Disruption Tolerant Networking (DTN)
- Voice and data gateways and bridges