

Security technology research department: The Security Technology Research Department performs fundamental research in mathematics, computer science and networking as it might pertain to security – no security clearance or US citizenship is required.

Description: Lucent Bell Laboratories, located in Murray Hill, New Jersey, has several openings in its Security Technology Research department. Candidates should have a broad knowledge of IP (4 & 6) networking plus experience in some of the following: Secure data communications networks, both conventional and wireless; mobile IP, IP multicast; network security, cryptography; security strengths and weaknesses of protocols at the network, transport, and application layers; intrusion detection systems, data mining, statistical pattern matching, machine learning; information security systems; firewalls; antivirus systems; honeypots; footprinting, scanning, and hacking techniques; VoIP; etc. Candidates should have the following; a PhD in computer science, mathematics or related discipline and a record of publication in refereed journals. Candidates should be creative, innovative thinkers capable of proposing new research projects. Please reply to treddington@lucent.com

Degree Preferred: PhD

Majors Preferred: Computer Science, Math

Internet Research Department : Performs research for government agencies in the general area of network and cyber security. US citizenship and the ability to obtain a government clearance required.

The Internet Research Department at Bell Labs in Whippany, NJ conducts research in various aspects of Internet and Network Security. Research is funded both through government contracts and Lucent corporate funding. We currently have openings for candidates, either Master's or PhD degree, with a broad knowledge of IP (4 & 6) networking plus experience in some of the following technology areas: Architecture and design of secure data communications networks, both conventional and wireless; mobile IP, IP multicast; network security, especially security of the Internet and WWW; security strengths and weaknesses of protocols at the network, transport, and application layers; intrusion detection systems; information security systems; firewalls; antivirus systems; honeypots; security of Windows operating systems and applications; virtual private networks; footprinting, scanning, and hacking techniques; VoIP ; etc. Knowledge of government approved encryption devices (bulk, IP, ATM) a big plus.

Candidates with PhD degree should have a record of publication in refereed journals. Candidates should be creative, innovative thinkers capable of identifying and proposing new research projects. Ability to obtain U.S. Government security clearances required. Please reply with resume and publication list to efischer@lucent.com.

Degree Preferred: MS, PhD

Majors Preferred: Computer Science, Math