

Abstract: Large Scale Networking Programs

Dr. Grant Miller

The Federal agencies coordinate their programs in advanced networking through the Large Scale Networking Coordination Group (LSN). An important component of these programs has been the Next Generation Internet (NGI) Initiative. Significant accomplishments have been achieved under the LSN and NGI Programs. Networking research programs are developing all-optical networking, network security, differentiated services and multicast. Two testbeds providing 100 and 1000 times current network performance (100 Mbps and 1 Gbps) have been fielded. Significant numbers and a vast variety of network applications have been developed. The LSN is planning its programs for the future (FY2002+) under the new Scalable Information Infrastructure (SII) program. This program emphasizes automated services, distributed access (particularly wireless), scalable network security and development of advanced applications.