"Working On A Shoestring"
- Security solutions in the shadow of limited funds.

Panel Chair:
David Jarrell
- Director, Federal Computer Incident Response Capability (FedCIRC)

Panel Members:
Mr. David Jarrell
- Director, Federal Computer Incident Response Capability (FedCIRC)
Mr. Steve Lipner
- Manager, Microsoft Security Response Center
Mr. Shawn Hernan
- Team Leader, Vulnerability Handling, CERT Coordination Center (CERT/CC)
Mr. Kenneth Ammon
- Chief Executive Officer, Network Security Technologies, Inc.

Biographies:
David Jarrell is a 20-year veteran of the computer security community. He is a retired Naval Cryptologist and was responsible for the development of some of the earliest DoD computer security guidance. After highly decorated naval career, David was chosen to represent the Defense Intelligence Agency as the certification and accreditation authority for the Department of Defense Intelligence Information Systems (DODIIS) resources in the Pacific Theater. He is currently the director of the Federal Computer Incident Response Capability (FedCIRC). David is the recipient of the 1998 Interagency Resource Management Council's "IRMCO Award" presented in recognition of his efforts to develop processes to bridge cooperation across agency boundaries when dealing with computer security related incidents and he was the winner of the 1999 "Federal 100" award as one of the top 100 employees in Federal government. David is an avid "hamradio" enthusiast and spends his off time working with VHF and UHF communication techniques. His work in meteor scatter communication has been published in syndicated scientific publications.

Steve Lipner is manager of the Microsoft Security Response Center. He is responsible for Microsoft's handling of reports of security vulnerabilities in Microsoft products and services, and for developing programs to provide Microsoft customers with the information they need to use Microsoft products securely. Steve has been active as a researcher, technologist, and manager in the field of computer and network security since 1970. He is currently serving his second term as one of the industry members of the National Computer Systems Security and Privacy Advisory Board. He is the author of numerous technical papers and reports.

Shawn Hernan is a member of the technical staff at the Carnegie Mellon Software Engineering Institute's CERT® Coordination Center where he leads the vulnerability

handling group. Prior to joining CERT/CC in 1996, Shawn worked for the Systems and Networks division of the University of Pittsburgh for seven years where he developed databases and network applications, and shared in the system administration of the centralized computing facilities and the large campus network. Shawn holds a Bachelor of Science in Computer Science from the University of Pittsburgh.

Kenneth Ammon is the Chief Executive Officer and Chairman of the Board for Network Security Technologies (NETSEC) based in Herndon, Virginia. Ken brings more than 12 years of computer security related experience to bare against even the most complex information technology security challenges. His credentials include career service in the US Air Force, service in government, and the commercial sector developing unique IT security solutions. He is widely known as the innovative creator of numerous devices and techniques for handling today's security issues. Ken holds a Bachelor of Science degree from the University of Maryland.

Panel Summary:
It is a generally accepted assumption that network and system security solutions require sizeable financial resources to implement. Although this may be true for many options, there are some grassroots fundamentals that, when put into practice, can make an immense difference in the overall security profile of your network or computer system. Understanding the interrelationships for the elements of a computer security program and some basic practices is the key to an effective computer network defense. The ability to balance security requirements against threats and vulnerabilities in a given environment is the cornerstone for creating a higher security index for your information technology resources.