

# A Network Security Research Agenda

Network and Distributed System  
Security Symposium (NDSS '99)

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Moderator: Fred B. Schneider (Cornell)

Panelists:

- Steven M. Bellovin (AT&T Laboratories)
- Steve Kent (BBN Corporation)
- Hilarie K. Orman (DARPA)
- Roger Needham (Microsoft Research / Cambridge)

# “Houston, we have a problem ...”

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- Computers at Risk [CSTB, 1991]
- Report of the Defense Science Task Force on Information Warfare (IW-D) [DSB, 1996]
- Critical Foundations: Protecting America's Infrastructures [PCCIP, 1997]
- Trust in Cyberspace [CSTB, 1999]
- Defining European Dependability Initiative [Wilikens, Morris, Maser, eds.]

# “The check is in the mail ...”

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“Government investment led to the creation of the internet. I propose a nearly 30% increase in long-term computing research.”

- State of the Union Address, U.S. President Clinton

Press release, Jan 24, 1999, Office of the Vice President (“IT2”):

“... \$366 million, 28% increase in ... information technology research.”

“Networks that can grow to connect not only tens of millions of computers, but hundreds of billions of devices.”

“New ways of developing complex software that is more reliable, easier to maintain, and more dependable for running the phone system, the electric power grid, the financial markets, and other core elements of our infrastructure.