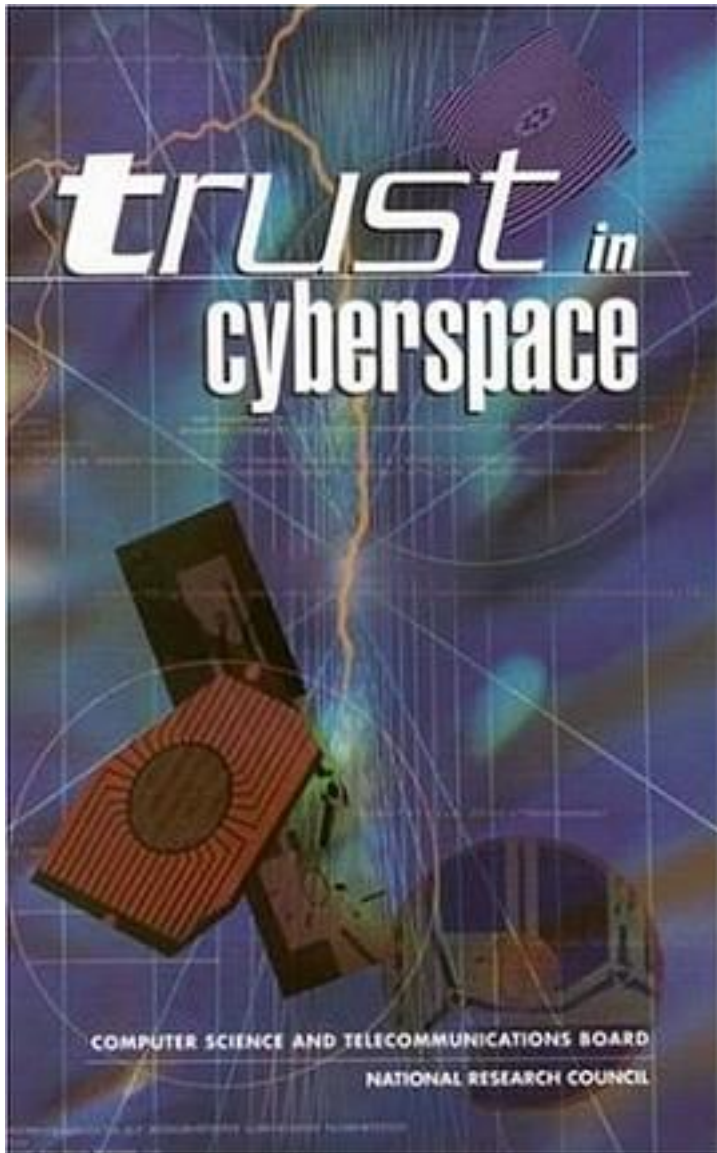


Trust in Cyberspace



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著者:Committee on Information Systems Trustworthiness

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Whether or not you use a computer, you probably use a telephone, electric power, and a bank. Although you may not be aware of their presence, networked computer systems are increasingly becoming an integral part of your daily life. Yet, if such systems perform poorly or don't work at all, then they can put life, liberty, and property at tremendous risk. Is the trust that we - as individuals and as a society - are placing in networked computer systems justified? And if it isn't, what can we do to make such systems more trustworthy? This book provides an assessment of the current state of the art procedures for building trustworthy networked information systems. It proposes directions for research in computer and network security, software technology, and system architecture. In addition, the book assesses current technical and market trends in order to better inform public policy as to where progress is likely and where incentives could help." Trust in Cyberspace" offers insights into: the strengths and vulnerabilities of the telephone network and Internet, the two likely building blocks of any networked information system; the interplay between various dimensions of trustworthiness; and environmental disruption, operator error, 'buggy' software, and hostile attack. It also offers insights into: the implications for trustworthiness of anticipated developments in hardware and software technology, including the consequences of mobile code; the shifts in security technology and research resulting from replacing centralized mainframes with networks of computers; the heightened concern for integrity and availability where once only secrecy mattered; and, the way in which federal research funding levels and practices have affected the evolution and current state of the science and technology base in this area. You will want to read this book if your life is touched in any way by computers or telecommunications. But then, whose life isn't?

作者介绍:

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