



Cybersecurity and Cyberwar: What Everyone Needs to Know®

By P.W. Singer, Allan Friedman

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A generation ago, "cyberspace" was just a term from science fiction, used to describe the nascent network of computers linking a few university labs. Today, our entire modern way of life, from communication to commerce to conflict, fundamentally depends on the Internet. And the cybersecurity issues that result challenge literally everyone: politicians wrestling with everything from cybercrime to online freedom; generals protecting the nation from new forms of attack, while planning new cyberwars; business executives defending firms from once unimaginable threats, and looking to make money off of them; lawyers and ethicists building new frameworks for right and wrong. Most of all, cybersecurity issues affect us as individuals. We face new questions in everything from our rights and responsibilities as citizens of both the online and real world to simply how to protect ourselves and our families from a new type of danger. And yet, there is perhaps no issue that has grown so important, so quickly, and that touches so many, that remains so poorly understood.

In *Cybersecurity and CyberWar: What Everyone Needs to Know®*, New York Times best-selling author P. W. Singer and noted cyber expert Allan Friedman team up to provide the kind of easy-to-read, yet deeply informative resource book that has been missing on this crucial issue of 21st century life. Written in a lively, accessible style, filled with engaging stories and illustrative anecdotes, the book is structured around the key question areas of cyberspace and its security: how it all works, why it all matters, and what can we do? Along the way, they take readers on a tour of the important (and entertaining) issues and characters of cybersecurity, from the "Anonymous" hacker group and the Stuxnet computer virus to the new cyber units of the Chinese and U.S. militaries. *Cybersecurity and CyberWar: What Everyone Needs to Know®* is the definitive account on the subject for us all, which comes not a moment too soon.

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Review

"...an impressive tour de force, *Cybersecurity and Cyberwar* gives us actual case studies, insider interviews, bizarre trivia, and a lot of dramatic statistics to help demystify the danger, and there is real danger. The timely book brings thoughtful, witty, and balanced analysis to this very important emerging discussion...it's a book I wish I had written." --Patrick Lin, *The Atlantic*

"If you're completely ignorant about malware and cyberattacks, this is the book for you. And if you think you know a lot about these topics, this is still the book for you. It's thorough, exhaustive, and easy to read...extremely approachable." --*Mashable*

"In confronting the cybersecurity problem, it's important for all of us to become knowledgeable and involved. This book makes that possible -- and also fascinating. It's everything you need to know about cybersecurity, wonderfully presented in a clear and smart way."--Walter Isaacson, author of *Steve Jobs*

"If you read only one book about 'all this cyberstuff,' make it this one. Singer and Friedman know how to make even the most complicated material accessible and even entertaining, while at the same time making a powerful case for why *all* of us need to know more and think harder about the (cyber)world we know live in."--Anne-Marie Slaughter, President, the New America Foundation

"Singer and Friedman blend a wonderfully easy to follow FAQ format with engaging prose, weaving explanations of the elements of cybersecurity with revealing anecdotes. From the fundamentals of Internet architecture to the topical intrigue of recent security leaks, this book provides an accessible and enjoyable analysis of the current cybersecurity landscape and what it could look like in the future."--Jonathan Zittrain, Professor of Law and Professor of Computer Science at Harvard University, and author of *The Future of the Internet-And How to Stop It*

"Singer and Friedman do a highly credible job of documenting the present and likely future risky state of cyber-affairs. This is a clarion call."--Vint Cerf, "Father of the Internet," Presidential Medal of Freedom winner

"I loved this book. Wow. Until I read this astonishing and important book, I didn't know how much I didn't know about the hidden world of cybersecurity and cyberwar. Singer and Friedman make comprehensible an impossibly complex subject, and expose the frightening truth of just how vulnerable we are. Understanding these often-invisible threats to our personal and national security is a necessary first step toward defending ourselves against them. This is an essential read."--Howard Gordon, Executive Producer of *24* and co-creator

of *Homeland*

"In our digital age, the issues of cybersecurity are no longer just for the technology crowd; they matter to us all. Whether you work in business or politics, the military or the media-or are simply an ordinary citizen-this is an essential read."--Eric Schmidt, Executive Chairman, Google

"This is the most approachable and readable book ever written on the cyber world. The authors have distilled the key facts and policy, provided sensible recommendations, and opened the debate generally to any informed citizen: a singular achievement. A must read for practitioners and scholars alike."--Admiral James Stavridis, U.S. Navy (Ret), former Supreme Allied Commander at NATO

"This book may interest and be appreciated by anyone seeking a better understanding of cyber threats"

-CHOICE

About the Author

P.W. Singer is Director of the Center for 21st Century Security and Intelligence at the Brookings Institution.

Allan Friedman is a Visiting Scholar at the Cyber Security Policy Research Institute, School of Engineering and Applied Sciences at George Washington University.

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