

| | |
|-------------------------|---|
| 1. Record Nr. | UNINA9910554247203321 |
| Autore | Lin Herbert |
| Titolo | Cyber threats and nuclear weapons // Herbert Lin |
| Pubbl/distr/stampa | Stanford, California : , : Stanford University Press, , [2021] ©2021 |
| ISBN | 1-5036-3040-4 |
| Descrizione fisica | 1 online resource (218 pages) |
| Disciplina | 355.02170973 |
| Soggetti | Nuclear weapons - United States Nuclear weapons - Security measures - United States Computer security - United States |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di contenuto | Cover -- Contents -- Preface -- 1 Introduction and Background -- 2 The Cyber-Nuclear Connection -- 3 The U.S. Nuclear Enterprise -- 4 Cybersecurity Lessons for Nuclear Modernization -- 5 Cyber Risks in Selected Nuclear Scenarios -- 6 Designing the Cyber-Nuclear Future: Observations and Imperatives -- 7 Moving Forward -- Notes -- Bibliography -- Index. |
| Sommario/riassunto | The technology controlling United States nuclear weapons predates the Internet. Updating the technology for the digital era is necessary, but it comes with the risk that anything digital can be hacked. Moreover, using new systems for both nuclear and non-nuclear operations will lead to levels of nuclear risk hardly imagined before. This book is the first to confront these risks comprehensively. With Cyber Threats and Nuclear Weapons, Herbert Lin provides a clear-eyed breakdown of the cyber risks to the U.S. nuclear enterprise. Featuring a series of scenarios that clarify the intersection of cyber and nuclear risk, this book guides readers through a little-understood element of the risk profile that government decision-makers should be anticipating. What might have happened if the Cuban Missile Crisis took place in the age of Twitter, with unvetted information swirling around? What if an adversary announced that malware had compromised nuclear systems, clouding the confidence of nuclear decision-makers? Cyber Threats and |

Nuclear Weapons, the first book to consider cyber risks across the entire nuclear enterprise, concludes with crucial advice on how government can manage the tensions between new nuclear capabilities and increasing cyber risk. This is an invaluable handbook for those ready to confront the unique challenges of cyber nuclear risk.
