

Bytes, bombs, and spies

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Note sur le contenu : Illuminating a new domain : the role and nature of military intelligence, surveillance, and reconnaissance in cyberspace / Chris Inglis How effects, saliencies, and norms should influence U.S. cyberwar doctrine / Henry Farrell and Charles L. Glaser A strategic assessment of the U.S. Cyber Command vision / Max W.E. Smeets and Herbert Lin A cyber SIOP ? : operational considerations for strategic offensive cyber planning / Austin Long Second acts in cyberspace / Martin C. Libicki Hacking a nation's missile development program / Herbert Lin The Cartwright conjecture : the deterrent value and escalatory risk of fearsome cyber capabilities / Jason Healey The cyber commitment problem and the destabilization of nuclear deterrence / Erik Gartzke and Jon R. Lindsay Cyber terrorism : its effects on psychological well-being, public confidence, and political attitude / Michael L. Gross, Daphna Canetti, and Dana R. Vashdi Limiting the undesired impact of cyber weapons : technical requirements and policy implications / Steven M. Bellovin, Susan Landau, and Herbert Lin Rules of engagement for cyberspace operations : a view from the United States / C. Robert Kehler, Herbert Lin, and Michael Sulmeyer U.S. offensive cyber operations in a China- U.S. military confrontation / Adam Segal

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Résumé ou extrait : "A new era of war fighting is emerging for the U.S. military. Hi-tech weapons have given way to hi tech in a number of instances recently: A computer virus is unleashed that destroys centrifuges in Iran, slowing that country's attempt to build a nuclear weapon. ISIS, which has made the internet the backbone of its terror operations, finds its network-based command and control systems are overwhelmed in a cyber attack. A number of North Korean ballistic missiles fail on launch, reportedly because their systems were compromised by a cyber campaign. Offensive cyber operations like these have become important components of U.S. defense strategy and their role will grow larger. But just what offensive cyber weapons are and how they could be used remains clouded by secrecy. This new volume by Amy Zegart and Herb Lin is a groundbreaking discussion and exploration of cyber weapons with a focus on their strategic dimensions. It brings together many of the leading specialists in the field to provide new and incisive analysis of what former CIA director Michael Hayden has called "digital combat power" and how the United States should incorporate that power into its national security strategy."

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Art et science militaires

Cyber-espionnage

Cyberspace -- Opérations militaires

Forme, genre ou caractéristiques physiques : Actes de congrès