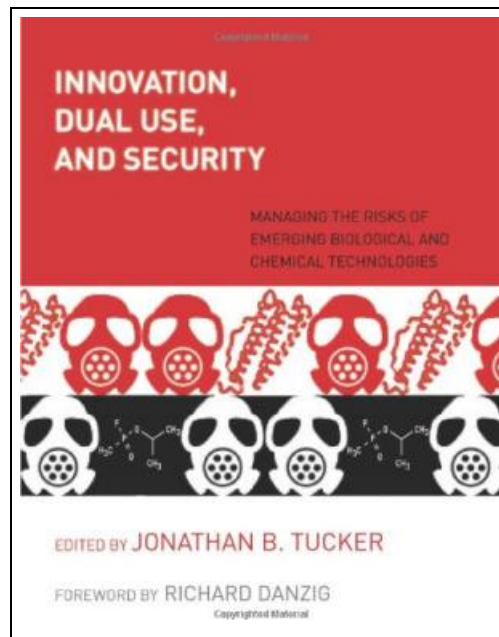


Innovation, Dual Use, and Security: Managing the Risks of Emerging Biological and Chemical Technologies (Paperback)



Filesize: 7.6 MB

Reviews

The most effective publication i at any time read. We have study and i am sure that i will likely to read yet again once again in the foreseeable future. You will not truly feel monotony at anytime of your time (that's what catalogs are for about in the event you request me).

(Mr. Rafael Hoeger)

INNOVATION, DUAL USE, AND SECURITY: MANAGING THE RISKS OF EMERGING BIOLOGICAL AND CHEMICAL TECHNOLOGIES (PAPERBACK)

[DOWNLOAD PDF](#)

MIT Press Ltd, United States, 2012. Paperback. Condition: New. Language: English . Brand New Book. A framework for assessing the security risks of emerging dual-use technologies and devising tailored governance strategies is proposed and applied to contemporary case studies. Recent advances in disciplines such as biotechnology, nanotechnology, and neuropharmacology entail a dual-use dilemma because they promise benefits for human health and welfare yet pose the risk of misuse for hostile purposes. The emerging field of synthetic genomics, for example, can produce custom DNA molecules for life-saving drugs but also makes possible the creation of deadly viral agents for biological warfare or terrorism. The challenge for policymakers is to prevent the misuse of these new technologies without forgoing their benefits . Innovation, Dual Use, and Security offers a systematic approach for managing the dual-use dilemma. The book presents a decision framework for assessing the security risks of emerging technologies and fashioning governance strategies to manage those risks. This framework is applied to fourteen contemporary case studies, including synthetic genomics, DNA shuffling and directed evolution, combinatorial chemistry, protein engineering, immunological modulation, and aerosol vaccines. The book also draws useful lessons from two historical cases: the development of the V-series nerve agents in Britain and the use and misuse of LSD by the U.S. Army and the CIA. Innovation, Dual Use, and Security offers a comprehensive, multifaceted introduction to the challenges of governing dual-use technologies in an era of rapid innovation. The book will be of interest to government officials and other practitioners as well as to students and scholars in security studies, science and technology studies, biology, and chemistry.

[Read Innovation, Dual Use, and Security: Managing the Risks of Emerging Biological and Chemical Technologies \(Paperback\) Online](#)[Download PDF Innovation, Dual Use, and Security: Managing the Risks of Emerging Biological and Chemical Technologies \(Paperback\)](#)

Other Kindle Books



Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities

HarperCollins Publishers Inc, United States, 2016. Paperback. Book Condition: New. Reprint. 203 x 135 mm. Language: English . Brand New Book. An international bestseller, Barbara Coloroso s groundbreaking and trusted guide on bullying-including cyberbullying-arms parents...

[Read eBook >](#)



The Flag-Raising (Dodo Press)

Dodo Press, United Kingdom, 2007. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Kate Douglas Wiggin, nee Smith (1856-1923) was an American children s author...

[Read eBook >](#)



The Talking Beasts (Dodo Press)

Dodo Press, United Kingdom, 2007. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Kate Douglas Wiggin, nee Smith (1856-1923) was an American children s author...

[Read eBook >](#)



The Kid Friendly ADHD and Autism Cookbook The Ultimate Guide to the Gluten Free Casein Free Diet by Pamela J Compart and Dana Laake 2006 Hardcover

Book Condition: Brand New. Book Condition: Brand New.

[Read eBook >](#)



Oscar Wilde Miscellaneous: A Florentine Tragedy - A Fragment, and La Sainte Courtisane - A Fragment (Dodo Press)

Dodo Press, United Kingdom, 2009. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Oscar Fingal O Flahertie Wills Wilde (1854-1900) was an Irish playwright, novelist,...

[Read eBook >](#)