

1. Record Nr.	UNINA9910789230803321
Titolo	Emerging and readily available technologies and national security : a framework for addressing ethical, legal and societal issues / / Jean-Lou Chameau, William F. Ballhaus, and Herbert S. Lin, editors ; center for engineering, ethics, and society advisory group
Pubbl/distr/stampa	Washington, District of Columbia : , : National Academies Press, , 2014 ©2014
ISBN	0-309-29337-5 0-309-29335-9
Descrizione fisica	1 online resource (349 p.)
Disciplina	172.4
Soggetti	National security - Moral and ethical aspects Armed Forces - Technological innovations - Moral and ethical aspects
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	""Front Matter""; ""Preface""; ""Acknowledgment of Reviewers""; ""Contents""; ""Summary""; ""1 Framing the Issues""; ""2 Foundational Technologies""; ""3 Application Domains""; ""4 Sources of ELSI Insight""; ""5 An Analytical Framework for Identifying Ethical, Legal, and Societal Issues""; ""6 Going Beyond Initial A Priori Analysis""; ""7 Mechanisms for Addressing Ethical, Legal, and Societal Issues""; ""8 Findings and Recommendations""; ""Appendices""; ""Appendix A: Committee Members and Staff""; ""Appendix B: Meeting Agendas and Participants"" ""Appendix C: Research and Development Organizations Within the Department of Defense""""Appendix D: Established Institutional Mechanisms for Addressing Ethical, Legal, and Societal Issues""
Sommario/riassunto	"Emerging and Readily Available Technologies and National Security addresses topics such as the ethics of using autonomous weapons that may be available in the future; the propriety of enhancing the physical or cognitive capabilities of soldiers with drugs or implants or prosthetics; and what limits, if any, should be placed on the nature and extent of economic damage that cyber weapons can cause. This report explores three areas with respect to emerging and rapidly available

technologies: the conduct of research; research applications; and unanticipated, unforeseen, or inadvertent ethical, legal, and societal issues. The report articulates a framework for policy makers, institutions, and individual researchers to think about issues as they relate to these technologies of military relevance and makes recommendations for how each of these groups should approach these considerations in its research activities."--Publisher's description.
