

1. Record Nr.	UNINA9910453751003321
Titolo	Bio-inspired innovation and national security // edited by Robert E. Armstrong [and three others]
Pubbl/distr/stampa	Washington, District of Columbia : , : Published for the Center for Technology and National Security Policy by National Defense University Press, , 2010
ISBN	0-16-092034-5
Descrizione fisica	1 online resource (374 p.)
Disciplina	358/.38
Soggetti	Bionics Biomimetics Biological warfare Bioterrorism - Prevention National security - United States Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Biotech impact on the warfighter / Thomas X. Hammes -- New biological advances and military medical ethics / Edmund G. Howe -- The life sciences, security, and the challenge of biological weapons : an overview / Michael Moodie -- Biological warfare : a warfighting perspective / John B. Alexander -- Abiotic sensing / James J. Valdes ... [et al.] -- Biosensors and bioelectronics / Dimitra Stratis-Cullum and James Sumner -- Bioenzymes and defense / Adrienne Huston -- Bioenergy : renewable liquid fuels / Michael Ladisch -- Bio-inspired materials and operations / Erica R. Valdes -- Learning unmanned vehicle control from echolocating bats / Eric W. Justh -- Neurorobotics : neurobiologically inspired robots / Jeffrey Krichmar -- Biomimetic, sociable robots for human-robot interaction / Eleanore Edson, Judith Lytle, and Thomas McKenna -- Biomechanically inspired robotics / John Socha and Justin Grubich -- Biological automata and national security / Yaakov Benenson -- Enhanced human performance and metabolic engineering / James J. Valdes and James P. Chambers -- Functional

neuroimaging in defense policy / Richard Genik III, Christopher Green, and David C. Peters II -- Forging stress resilience : building psychological hardiness / Paul Bartone -- Neuroplasticity, mind fitness, and military effectiveness / Elizabeth Stanley -- Bio-inspired network science / Joao Hespanha and Francis Doyle III -- Ethics and the biologized battlefield : moral issues in 21st-century conflict / William D. Casebeer -- Legal issues affecting biotechnology / Joseph Rutigliano, Jr. -- Building the nonmedical bio workforce for 2040 / Timothy Coffey and Joel Schnur.
