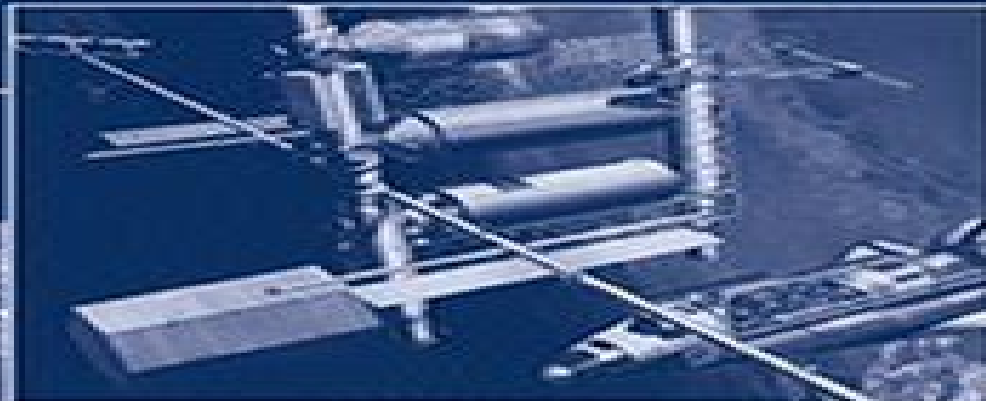




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Space Assurance or Space Dominance?

THE CASE AGAINST WEAPONIZING SPACE



Michael Krepon with Christopher Clary

Space Assurance Or Space Domination The Case Against Weaponizing Space

Sai Felicia Krishna-Hensel



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Space Assurance Or Space Dominance?: THE CASE AGAINST WEAPONIZING SPACE. Michael Krepon, 2022

Space Assurance Or Space Dominance? Michael Krepon, Christopher Clary, 2003 While space has long been utilized to assist military operations it has not been weaponized A new report by the Henry L Stimson Center Space Assurance or Space Dominance The Case Against Weaponizing Space argues that the surest way for the United States to lose the military advantages now enjoyed in space is to turn the heavens into a shooting gallery The Stimson report concludes that U S military and economic security is best served by avoiding the flight testing and deployment of space weaponry The pursuit of space dominance could impair global commerce produce long lasting environmental debris in space and harm alliance ties as well as relations between the United States and Russia and China the two countries whose help is most needed to stop and reverse proliferation The quest to dominate space could prompt low cost low tech countermeasures in the form of space mines and other anti satellite devices Potential adversaries in space would be faced with the dilemma of shooting first or risk being shot The quest to secure dominion over space would therefore elevate into the heavens the hair trigger postures that plagued U S and Soviet officials during the Cold War

The Politics of Space Security James Moltz, 2011-06-29 The past five decades have witnessed often fierce international rivalry in space but also surprising military restraint Now with an increasing number of countries capable of harming U S space assets experts and officials have renewed a long standing debate over the best route to space security Some argue that space defenses will be needed to protect critical military and civilian satellites Others argue that space should be a sanctuary from deployed weapons and military conflict particularly given the worsening threat posed by orbital space debris Moltz puts this debate into historical context by explaining the main trends in military space developments since Sputnik their underlying causes and the factors that are likely to influence their future course This new edition provides analysis of the Obama administration s space policy and the rise of new actors including China India and Iran His conclusion offers a unique perspective on the mutual risks militaries face in space and the need for all countries to commit to interdependent environmentally focused space security

Toward a Theory of Spacepower Charles D. Lutes, 2011-03-07 This volume is a product of the efforts of the Institute for National Strategic Studies Spacepower Theory Project Team which was tasked by the Department of Defense to create a theoretical framework for examining spacepower and its relationship to the achievement of national objectives The team was charged with considering the space domain in a broad and holistic way incorporating a wide range of perspectives from U S and international space actors engaged in scientific commercial intelligence and military enterprises This collection of papers commissioned by the team serves as a starting point for continued discourse on ways to extend modify refine and integrate a broad range of viewpoints about human initiated space activity its relationship to our globalized society and its economic political and security interactions It will equip practitioners scholars students and citizens with the historical background and

conceptual framework to navigate through and assess the challenges and opportunities of an increasingly complex space environment

Arms and Influence Jeffrey S. Lantis, 2016-07-27 Arms and Influence explores the complex relationship between technology policymaking and international norms Modern technological innovations such as the atomic bomb armed unmanned aerial vehicles UAVs and advanced reconnaissance satellites have fostered debates about the boundaries of international norms and legitimate standards of behavior These advances allow governments new opportunities for action around the world and have in turn prompted a broader effort to redefine international standards in areas such as self defense sovereignty and preemptive strikes In this book Jeffrey S Lantis develops a new theory of norm change and identifies its stages including redefinition involving domestic political deliberations and constructive norm substitution in multilateral institutions He deftly takes some of the most controversial new developments in military technologies and embeds them in international relations theory The case evidence he presents suggests that periods of change are underway across numerous different issue areas

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Global Cooperation Sai Felicia Krishna-Hensel, 2017-03-02 The twenty first century global community is confronted with unprecedented challenges as well as unique opportunities The degree to which it can establish and institutionalize norms and mechanisms designed to promote and sustain meaningful global cooperation will determine the future course of civilization This volume brings together a broad range of scholars to highlight some of the areas of contemporary transnational cooperation and to examine the scope and levels at which cooperation can and does take place The study examines the issue of weapons of mass destruction explores the promises of biotechnology and space technology and investigates the roles of global conventions and institutions as strategies for addressing the common threats facing the international system In short the volume raises important timely issues regarding the challenges and opportunities confronting the global community which both policy makers and academicians will find informative and thought provoking in their efforts to understand the nature and complexity of the twenty first century global community

Conflict and Cooperation in the Global Commons Scott Jasper, 2012-09-17 More than ever international security and economic prosperity depend upon safe access to the shared domains that make up the global commons maritime air space and cyberspace Together these domains serve as essential conduits through which international commerce communication and governance prosper However the global commons are congested contested and competitive In the January 2012 defense strategic guidance the United States confirmed its commitment to continue to lead global efforts with capable allies and partners to assure access to and use of the global commons both by strengthening international norms of responsible behavior and by maintaining relevant and interoperable military capabilities In the face of persistent threats some hybrid in nature and their consequences Conflict and Cooperation in the Global Commons provides a forum where contributors identify ways to strengthen and maintain responsible use of the global commons The result is a comprehensive approach that will enhance align and unify commercial industry civil agency and military perspectives and actions

Securing Freedom in the

Global Commons Scott Jasper, 2010-02-10 This will be the first book to attempt to take a holistic approach to security in the Commons outer space the atmosphere the oceans cyberspace etc in that it examines in detail each domain of the commons identifying and assessing the current and future threats to free international access to the domain **Primacy and Its Discontents** Michael E. Brown, Owen R. Cote, Sean M. Lynn-Jones, Steven E. Miller, 2009-01-30 Experts consider whether American primacy will endure or if the future holds a multipolar world of several great powers The unprecedented military economic and political power of the United States has led some observers to declare that we live in a unipolar world in which America enjoys primacy or even hegemony At the same time public opinion polls abroad reveal high levels of anti Americanism and many foreign governments criticize U S policies *Primacy and Its Discontents* explores the sources of American primacy including the uses of U S military power and the likely duration of unipolarity It offers theoretical arguments for why the rest of the world will or will not align against the United States Several chapters argue that the United States is not immune to the long standing tendency of states to balance against power while others contend that wise U S policies the growing role of international institutions and the spread of liberal democracy can limit anti American balancing The final chapters debate whether countries are already engaging in soft balancing against the United States The contributors offer alternative prescriptions for U S foreign policy ranging from vigorous efforts to maintain American primacy to acceptance of a multipolar world of several great powers Contributors Gerard Alexander Stephen Brooks John G Ikenberry Christopher Layne Keir Lieber John Owen IV Robert Pape T V Paul Barry Posen Kenneth Waltz William Wohlforth **The Oxford Handbook of Space Security** Saadia M. Pekkanen, P. J. Blount, 2024 The Oxford Handbook of Space Security focuses on the interaction between space technology and international and national security processes Saadia M Pekkanen and P J Blount have gathered a group of key scholars who bring a range of analytical and theoretical perspectives to take an analytically eclectic approach to assessing space security from an international relations IR theory perspective Bringing together scholarship from a group of leading experts this volume explains how these contemporary changes will affect future security in from and through space **Transforming European Militaries** Gordon Adams, Guy Ben-Ari, 2006-09-27 This new book examines European Network Enabled Capabilities and their implications for transatlantic interoperability in future coalition operations with the US **Curbing the Spread of Nuclear Weapons** Ian Bellany, 2013-07-19 Provides a fully detailed but accessible and accurate introduction to the technical aspects of nuclear energy and nuclear weapons Demonstrates that international security is unlikely to benefit from encouraging the spread of nuclear weapons Includes a full discussion of the phenomenon of nuclear free zones with particular emphasis on the zone covering Latin America Frankly appraises the International Atomic Energy Agency s safeguards system **The Politics of Space Security** James Clay Moltz, 2008-06-24 At a time when no other country enjoys the advantages that the United States currently reaps from space some U S officials argue that U S space defenses will be needed to protect access to critical military and civilian assets in

orbit Others argue that space should be a valuable sanctuary from deployed weapons and military conflict To inform this debate and develop meaningful guidelines for the future Clay Moltz has undertaken the only comprehensive study of the first 50 years of space security highlighting the main trends in military space developments their underlying causes and the factors that are likely to influence their future course What emerges is a picture of surprising military restraint shown by the United States and the Soviet Union in space and the inescapable conclusion that the only way forward is through a multilateral commitment to interdependent environmentally focused space security

New Global Dangers Michael Edward Brown, 2004 Command of the commons the military foundation of U S Hegemony Barry R Posen Why do states build nuclear weapons Three models in search of a bomb Scott D Sagan Never say never again nuclear reversal revisited Ariel E Levite Preventing nuclear entrepreneurship in Russia's nuclear cities Sharon K Weiner Pathogens as weapons the international security implications of biological warfare Gregory Koblenz Dreaded risks and the control of biological weapons Jessica Stern Beyond the MTCR building a comprehensive regime to contain ballistic missile proliferation Dinshaw Mistry Human security paradigm shift or hot air Roland Paris Security stability and international migration Myron Weiner HIV AIDS and the changing landscape of war in Africa Stefan Elbe Collateral damage humanitarian assistance as a cause of conflict Sarah Kenyon Lischer Market civilization and its clash with terror Michael Moussseau T

Burning the Sky Mark Wolverton, 2018-11-27 The unbelievable true story of an American Cold War scheme to detonate nuclear bombs in space is revealed in this military history expos The summer of 1958 was a nerve racking time The Soviet Union's launch of Sputnik drew America into a game of nuclear one upmanship Tensions escalated between the two superpowers over their respective nuclear weapons reserves both sides desperate for a solution to the imminent threat of massive destruction In America an outlandish yet ingenious idea was raised by the eccentric physicist Nicholas Christofilos launching atomic bombs into outer space to fry incoming Soviet ICBMs with an artificial radiation belt Known as Project Argus this secret plan was the riskiest scientific experiment in history In *Burning the Sky* Mark Wolverton draws on recently declassified sources to tell this incredible unknown story *Burning the Sky* chronicles Christofilos's unconventional idea from its inception to execution when the so called mad scientist persuaded the military to use the entire Earth's atmosphere as a laboratory A meticulously researched tale that reads like a sci fi thriller *Burning the Sky* will intrigue any lover of scientific or military history

Joint Force Quarterly, 2008 English-Chinese, Chinese-English Nuclear Security Glossary Chinese Scientists Group on Arms Control, Chinese People's Association for Peace and Disarmament, National Research Council, Policy and Global Affairs, Committee on International Security and Arms Control, Committee on the U.S.-Chinese Glossary of Nuclear Security Terms, 2008-10-24 The U S National Academies Committee on International Security and Arms Control CISAC and the Chinese Scientists Group on Arms Control CSGAC of the Chinese People's Association for Peace and Disarmament have jointly produced a Chinese English English Chinese Nuclear Security Glossary This glossary of approximately 1000 terms is

built on 20 years of joint discussions on nuclear arms control nuclear nonproliferation nuclear energy and regional security issues and is intended to remove barriers to progress in exchanges and diplomatic cooperative or other activities where unambiguous understanding is essential

Arms Control Robert E. Williams Jr., Paul R. Viotti, 2012-05-15 Set against a backdrop of terrorism rogue states non conventional warfare and deteriorating diplomacy this encyclopedia offers a comprehensive multidisciplinary up to date reference on the recent history and contemporary practice of arms control and nonproliferation Arms Control History Theory and Policy features in depth expert analysis and information on the full spectrum of issues relating to this critical topic The first major reference on arms control in over a decade the two volume set covers historical context contemporary challenges and emerging approaches to diplomacy and human rights Noted experts provide a full spectrum of perspectives on arms control offering insightful analysis of arms control agreements and the people and institutions behind them Volume 1 provides an accessible historical overview of the subject and a more detailed conceptual analysis of the foundations of arms control Volume 2 covers the contemporary and practical issues of arms control focusing on global issues that arms control advocates have been forced to address with varying degrees of success a burgeoning international trade in conventional weapons a closely related flood of small arms and light weapons used to fuel intrastate conflicts and even genocide and the spread of nuclear weapons to potentially unstable regions of the world

Space Warfare in the 21st Century Joan Johnson-Freese, 2016-11-08 This book examines the recent shift in US space policy and the forces that continually draw the US back into a space technology security dilemma The dual use nature of the vast majority of space technology meaning of value to both civilian and military communities and being unable to differentiate offensive from defensive intent of military hardware makes space an area particularly ripe for a security dilemma In contrast to previous administrations the Obama Administration has pursued a less militaristic space policy instead employing a strategic restraint approach that stressed multilateral diplomacy to space challenges The latter required international solutions and the United States subsequently even voiced support for an International Code of Conduct for Space That policy held until the Chinese anti satellite ASAT test in 2013 which demonstrated expanded Chinese capabilities This volume explores the issues arising from evolving space capabilities across the world and the security challenges this poses It subsequently discusses the complexity of the space environment and argues that all tools of national power must be used with some degree of balance toward addressing space challenges and achieving space goals This book will be of much interest to students of space policy defence studies foreign policy security studies and IR

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