

Arming The Future A Defense Industry For The 21st Century

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War as Business - Armin Krishnan 2016-03-03
The privatization of defence assets and the outsourcing of military services from the armed forces to the private sector is an increasing trend. This book approaches the issue of military privatization by linking it to the transformation of the defence industries since the early 1990s, and shows the extent to which many military functions and activities, ranging from military research to military consulting/training to operational support services, have already been outsourced in the US and in Europe. This detailed study provides new and updated information on the ongoing privatization of the defence sector and offers an original theoretical explanation as to why the most modern armed forces throughout the world have come increasingly to rely on private companies for nearly everything they do. Contributing to a better understanding of military privatization and its close connection to technological change, the book explains the complexity of the whole phenomenon and discusses its implications for national and international security.

A New Direction for China's Defense Industry - Evan S. Medeiros 2005-12-19
Since the early 1980s, a prominent and consistent conclusion drawn from research on China's defense-industrial complex has been that China's defense-production capabilities are rife with weaknesses and limitations. This study argues for an alternative approach: From the vantage point of 2005, it is time to shift the focus of current research to the gradual improvements

in and the future potential of China's defense-industrial complex. The study found that China's defense sectors are designing and producing a wide range of increasingly advanced weapons that, in the short term, are relevant to a possible conflict over Taiwan but also to China's long-term military presence in Asia. Part of a larger RAND Project AIR FORCE study on Chinese military modernization, this study examines the current and future capabilities of China's defense industry. The goals of this study are to 1.

Arms Trade and Economic Development - Jurgen Brauer 2004-08-02
With the US invasion of Iraq, the issue of arms trading is once again at the forefront of world events. Arms-importing countries often ask their suppliers to 'offset' the cost by reinvesting some of the money in their country.

Grave New World - Michael E. Brown 2003-07-29
The optimism that arrived at the end of the cold war and marked the turn of the Millennium was shattered by September 11. In the aftermath of that event it is not unwarranted pessimism that lines the pages of Grave New World, it is unavoidable reality. Terrorism is but one aspect of many other wider concerns for national and international security, and the contributors to this volume not only warn us, but reward us as well with the clarity of their views into—and possible solutions for—a difficult, complicated future. They speak convincingly of the numerous military and non-military challenges that create

security problems—whether those are interstate, intrastate, or transnational—many of which are being dangerously overlooked in public policy debates. The challenges and complexities might seem insurmountable but the first step in solving problems is recognizing that they exist. *Grave New World* provides an eye-opening assessment of the prospects for peace and security in the 21st century. Michael E. Brown frames these issues in his Introduction, "Security Challenges in the 21st Century;" and in his summation, "Security Problems and Security Policy in a Grave New World."

Going Global? - Mark A. Lorell 2002-12-24

The increasing consolidation of the defense aerospace industry, brought about by post-Cold War reductions in defense authorizations, has led to the proliferation of cross-border relationships between U.S. and European firms. This report examines aerospace industry globalization trends with a view toward determining how the U.S. Air Force can best exploit such trends while minimizing their risks. It concludes that further research must be done to ascertain how the advantages of globalization, such as increased competition and interoperability, can best be achieved without compromising security concerns.

The Air Force Law Review - 2016

Arming Our Allies - 1990

[America Inc.?](#) - Linda Weiss 2014-03-29

For more than half a century, the United States has led the world in developing major technologies that drive the modern economy and underpin its prosperity. Linda Weiss attributes the U.S. capacity for transformative innovation to the strength of its national security state, a complex of agencies, programs, and hybrid arrangements that has developed around the institution of permanent defense preparedness and the pursuit of technological supremacy. In *America Inc.?* she examines how that complex emerged and how it has evolved in response to changing geopolitical threats and domestic political constraints, from the Cold War period to the post-9/11 era. Weiss focuses on state-funded venture capital funds, new forms of technology procurement by defense and security-related agencies, and innovation in robotics,

nanotechnology, and renewable energy since the 1980s. Weiss argues that the national security state has been the crucible for breakthrough innovations, a catalyst for entrepreneurship and the formation of new firms, and a collaborative network coordinator for private-sector initiatives. Her book appraises persistent myths about the military-commercial relationship at the core of the National Security State. Weiss also discusses the implications for understanding U.S. capitalism, the American state, and the future of American primacy as financialized corporations curtail investment in manufacturing and innovation.

Technology Offsets in International Defence Procurement - Kogila Balakrishnan 2018-08-14

Technology offsets, a nonconventional international trade-financing tool, is used by governments (buyers) to obtain industrial and technological benefits from companies (sellers) as part of international procurement. Offsets deals involve billions of dollars and this practice exists in around 80 countries around the world. Though offsets is a popular practice in defence, it is increasingly gaining popularity in civil sectors. Offsets is often tainted by controversy and receives bad press. What then makes offsets popular? Governments claim that offsets delivers technology and knowledge transfer, skills in high technology sectors and employment, and offsets expands export opportunities through participation in OEM supply chains. For companies, offsets is mainly employed as a tool to obtain a competitive edge and win sales in international business. In the past, there have been mixed results of case studies on the impact of offsets successes and failures. Considering the mismanagement of globalisation, unfair trade agreements and current political and economic discontent, there is a stronger need for governments and companies to use vehicles such as offsets to create a relationship of trust and commitment for sustainable development. This book fills the gap in offsets and focuses on how to manage offsets more effectively by addressing issues of strategy, policy and implementation, technology management, governance and risk. *Technology Offsets in International Defence Procurement* is designed for those studying international procurement, international trade, international business,

technology management, defence policy and industrial policy. This book will also be of interest to practitioners and policy makers in both government and industry.

Future of the Defense Industrial Base - United States. Congress. House. Committee on Armed Services. Structure of U.S. Defense Industrial Base Panel 1992

Ground Warfare - Stanley Sandler 2002-01-01
Spanning the recorded history of ground warfare from antiquity to the Atomic Age, this three-volume authoritative reference work documents it all—from generals to GIs, catapults to Kalashnikovs, ancient Israel to post-Soviet Chechnya.

Democracy's Arsenal - Jacques S. Gansler 2013-08-16

An expert explains why the security needs of the twenty-first century require a transformation of the defense industry of the twentieth century. New geopolitical realities—including terrorism, pandemics, rogue nuclear states, resource conflicts, insurgencies, mass migration, economic collapse, and cyber attacks—have created a dramatically different national-security environment for America. Twentieth-century defense strategies, technologies, and industrial practices will not meet the security requirements of a post-9/11 world. In *Democracy's Arsenal*, Jacques Gansler describes the transformations needed in government and industry to achieve a new, more effective system of national defense. Drawing on his decades of experience in industry, government, and academia, Gansler argues that the old model of ever-increasing defense expenditures on largely outmoded weapons systems must be replaced by a strategy that combines a healthy economy, effective international relations, and a strong (but affordable) national security posture. The defense industry must remake itself to become responsive and relevant to the needs of twenty-first-century security.

Managing Networks of Twenty-First Century Organisations - P. Perri 2016-01-14

The book presents a novel theory of how networks of organizations work, what varieties are possible and how their strengths and weaknesses differ. The argument is illustrated using four case studies in which networks of

firms and organizations in defence contracting, biotechnology, health care and combating crime and disorder are examined. The book will be of major interest to scholars and students of business and management, public management, public policy, organizational sociology and to practising managers.

Arming Our Allies - 1990

Arming Japan - Michael J. Green 1995
Michael Green explores the evolution of the kokusanka debate and the indigenous development and production of weapons of war, lucidly outlining the question of Japanese political and military autonomy in the postwar era.

Globalisation and Defence in the Asia-Pacific - Geoffrey Till 2008-10-01

This edited volume examines the impact of globalisation on the economies, security policies and military-industrial complexes of the Asia-Pacific region. The work is structured into three main parts. The first explores globalization and its general effects on the policy-making of the nation-state; the second section looks at how globalisation affects a country's threat perception and defence posture within the specific context of the Asia-Pacific region; while the third explores how it impacts on a state's allocation of resources to defence, and how economic globalization affects the defence industry, with specific reference to the procurement policies and practices of different states across the Asia-Pacific.

At Arm's Length - Terrence Guay 2016-07-27

The author examines the extent to which the European Union and its policies influence Europe's defence industry. He suggests that the end of the Cold War and economic globalization are major factors pushing defence industrial issues to the regional level. The book describes institutional struggles between the European Commission, Council and Parliament in this policy area. The interdisciplinary approach addresses political economy, institution building, European security and defence, transatlantic relations, industrial restructuring, and the influence of defence sector interest groups.

The Economics of the Global Defence

Industry - Keith Hartley 2019-11-20

This book makes an original contribution to our

knowledge of the world's major defence industries. Experts from a wide range of different countries – from the major economies of North America and Western Europe to developing economies and some unique cases such as China, India, Singapore, South Africa and North Korea – describe and analyse the structure, conduct and performance of the defence industry in that country. Each chapter opens with statistics on a key nation's defence spending, its spending on defence R&D and on procurement over the period 1980 to 2017, allowing for an analysis of industry changes following the end of the Cold War. After the facts of each industry, the authors describe and analyse the structure, conduct and performance of the industry. The analysis of 'structure' includes discussions of entry conditions, domestic monopoly/oligopoly structures and opportunities for competition. The section on 'conduct' analyses price/non-price competition, including private and state funded R&D, and 'performance' incorporates profitability, imports and exports together with spin-offs and technical progress. The conclusion explores the future prospects for each nation's defence industry. Do defence industries have a future? What might the future defence firm and industry look like in 50 years' time? This volume is a vital resource and reference for anyone interested in defence economics, industrial economics, international relations, strategic studies and public procurement.

Japan Rearmed - Sheila A. Smith 2019-04-08

Modern Japan is not only responding to threats from North Korea and China but is also reevaluating its dependence on the United States, Sheila Smith shows. No longer convinced they can rely on Americans to defend their country, Tokyo's political leaders are now confronting the possibility that they may need to prepare the nation's military for war.

Arming our allies : cooperation and competition in defense technology. -

Defence Procurement And Industry Policy - Stefan Markowski 2010

Arms purchases are among the most expensive, technologically challenging and politically controversial decisions made by modern-day governments. Superpower spending on weapons

systems is widely analysed and discussed. But defence procurement in smaller industrial countries involves different issues which receive less attention. This volume presents a general framework for understanding smaller country defence procurement supported by country, industry and project studies. Part I provides a general framework for analysing smaller country defence procurement, focusing on the formation of national defence capabilities. The framework is then used to analyse issues around the development of procurement demand, the characteristics of defence industry supply, contracts and relationships between buyers and sellers, and government policy for defence procurement and industry development. Part II focuses on defence procurement in seven smaller industrial nations with widely varying historical and political settings (Australia, Canada, Israel, Singapore, Spain, Sweden and The Netherlands). Part III consists of two Australian case studies of the procurement issues raised in, respectively, the naval shipbuilding industry and in a major, complex defence project. The book addresses the needs of public and private sector managers, military planners, procurement specialists, industry policy-makers, and defence procurement and industry educators. It presents general principles in an accessible manner and points to real-world experience to illustrate the principles at work. Therefore it will be of interest to scholars and practitioners in defence economics, strategic procurement, public sector procurement, and defence industry policy.

American Technology Policy - J. D. Kenneth Boutin 2012

Balancing the requirements of national security and economic competitiveness

From Defense to Development? - Sean M. DiGiovanna 2003-09-11

This book tracks the progress of 12 countries on five continents in moving resources from defense to civilian activity in the 1990s. Based on intensive research, it addresses each country with an impressive standard of scholarship.

Defence Industrial Cooperation in the European Union - Daniel Fiott 2019-03-28

This book provides an empirical understanding of how EU-level defence industrial cooperation functions in practice. Using the Liberal

Intergovernmental theoretical model, the book argues that while national economic preferences are an essential factor of government interests they only explain part of the dynamic that leads to the development of defence industrial policy at EU level. Moving beyond a simple adumbration of economic preferences, it shows how the EU's institutional framework and corpus of law are used by governments to reaffirm their position as the ultimate arbiter and promoter of national economic preferences in the defence industrial sector. To this end, the work asks why and how EU member state governments, European defence firms, and EU institutions developed EU-level defence industrial policy between 2003 and 2009. The book also analyses significant policy developments, including the establishment of a European Defence Agency and two EU Directives on equipment transfers and defence procurement. This book will be of much interest to students of EU policy, defence studies, security studies and International Relations in general.

Military Transformation and the Defense Industry After Next - Peter J. Dombrowski 2003

Military Transformation and the Defense Industry After Next - Peter Dombrowski 2006-09

The Handbook of European Defence Policies and Armed Forces - Hugo Meijer 2018-06-21
The armed forces of Europe have undergone a dramatic transformation since the collapse of the Soviet Union. The Handbook of European Defence Policies and Armed Forces provides the first comprehensive analysis of national security and defence policies, strategies, doctrines, capabilities, and military operations, as well as the alliances and partnerships of European armed forces in response to the security challenges Europe has faced since the end of the cold war. A truly cross-European comparison of the evolution of national defence policies and armed forces remains a notable blind spot in the existing literature. The Handbook of European Defence Policies and Armed Forces aims to fill this gap with fifty-one contributions on European defence and international security from around the world. The six parts focus on: country-based

assessments of the evolution of the national defence policies of Europe's major, medium, and lesser powers since the end of the cold war; the alliances and security partnerships developed by European states to cooperate in the provision of national security; the security challenges faced by European states and their armed forces, ranging from interstate through intra-state and transnational; the national security strategies and doctrines developed in response to these challenges; the military capabilities, and the underlying defence and technological industrial base, brought to bear to support national strategies and doctrines; and, finally, the national or multilateral military operations by European armed forces. The contributions to The Handbook collectively demonstrate the fruitfulness of giving analytical precedence back to the comparative study of national defence policies and armed forces across Europe.

Arming the Future - Ann R. Markusen 1999
"A Council on Foreign Relations book"--Cover.
Small Arms, Crime and Conflict - Owen Greene 2013-07-03

This book focuses on the use of small arms in violence and attempts by the state to govern the use and acquisition of these weapons. It is likely that hundreds of thousands of people are killed every year as a result of armed violence - in contexts ranging from war zones to domestic violence. This edited volume examines why these deaths occur, the role of guns and other weapons, and how governance can be used to reduce and prevent those deaths. Drawing on a variety of disciplines, ranging from anthropology through economics to peace and security studies, the book's main concern throughout is that of human security - the causes and means of prevention of armed violence. The first part of the book concerns warfare, the second armed violence and crime, and the last governance of arms and their (mis)-use. The concluding chapter builds on the contributors' key findings and suggests priorities for future research, with the aim of forming a coherent narrative which examines what we know, why armed violence occurs, and what can be done to reduce it. This book will be of much interest to students of small arms, security studies, global governance, peace and conflict studies, and IR.

Peace and Conflict 2016 - David Backer

2016-06-10

An authoritative source of information on violent conflicts and peacebuilding processes around the world, *Peace and Conflict* is an annual publication of the University of Maryland's Center for International Development and Conflict Management and the Graduate Institute of International and Development Studies (Geneva). The contents of the 2016 edition are divided into three sections: » Global Patterns and Trends provides an overview of recent advances in scholarly research on various aspects of conflict and peace, as well as chapters on armed conflict, violence against civilians, non-state armed actors, democracy and ethnic exclusion, terrorism, defense spending and arms production and procurement, peace agreements, state repression, foreign aid, and the results of the Peace & Conflict Instability Ledger, which ranks the status and progress of more than 160 countries based on their forecasted risk of future instability. » Special Feature spotlights work on measuring micro-level welfare effects of exposure to conflict. » Profiles has been enlarged to survey developments in instances of civil wars, peacekeeping missions, and international criminal justice proceedings that were active around the world during 2014. Frequent visualizations of data in full-color, large-format tables, graphs, and maps bring the analysis to life and amplify crucial developments in real-world events and the latest findings in research. The contributors include many leading scholars in the field from the US and Europe.

Military transformation and the defense industry after next the defense industrial implications of network-centric warfare -

[The Modern Defense Industry: Political, Economic, and Technological Issues](#) - Richard A. Bitzinger 2009-10-15

Whether it's guns and ammunition or multidimensional anti-terrorism systems, the defense industry is dynamic, complex, and ubiquitous. It is also mysterious, powerful, and controversial, involving thousands of players worldwide—from suppliers and producers to government and military procurers to shadowy figures that trade in the black market. This comprehensive, two-volume reference will explore, on a global scale, the various issues,

concepts, problems, and controversies surrounding the rise of the modern defense industry. Unparalleled in its scope and insight, *The Modern Defense Industry* will prove invaluable to the industry's critics and champions alike. The phenomenon of a more-or-less permanent defense industry—especially one so wide in scale, breadth (air, sea, land, and space), technology, and geography—is still relatively new. Until now, its implications for politics, economics, and technology have not been adequately discussed in an authoritative, accessible format for scholars and researchers, business people, journalists, policymakers, and interested laymen. *The Modern Defense Industry* addresses the period from 1945 to the present, covering the United States, Europe, Russia, China, Israel, and other important arms-producing and arms-procuring countries. Including essays by experts from around the world, a glossary, data on firms and governments, laws and policies, primary documents, case studies, and a host of other elements, this set will be a unique resource for anyone interested in the arms industry. It will also offer penetrating insights into topics like international relations and diplomacy, arms proliferation, and contemporary politics. Volume I comprises chapters by experts in the field on topics like the relationship between the industry, military, and government; how new modes of warfare are changing the industry; the implications of globalization on the industry; the black and gray areas of the arms trade; and much more. Volume II features an extensive A-Z glossary of terms, lists of defense firms and government agencies, annotated primary documents, lists of leading defense contractors and key weapons systems, an analysis of key legislation, and professional organizations. *The Modern Defense Industry* sets the standard for state of the art overviews of an industry that has, for better or worse, come to infuse nearly every aspect of world affairs in the early twenty-first century.

Democracy and Security - Matthew Evangelista 2009-12-04

It has become generally accepted wisdom that democracies do not go to war against each other. However, there are significant differences between democratic states in terms of their

approach to war and security policy in general. This edited book offers a broad examination of how democratic preferences and norms are relevant to security policy beyond the decision of whether to go to war. It therefore offers a fresh understanding of state behaviour in the security realm. The contributors discuss such issues as defence policy, air war, cluster bombs, non-lethal weapons, weapons of mass destruction, democratic and non-democratic nuclear weapon states' transparency, and the political and ideological background of the ongoing 'Revolution in Military Affairs'. It has become generally accepted wisdom that democracies do not go to war against each other. However, there are significant differences between democratic states in terms of their approach to war and security policy in general.

Arming Asia - Richard Bitzinger 2016-12-19
Bitzinger examines the phenomenon of attempted self-reliance in arms production within Asia, and assesses the extent of success in balancing this independence with the growing requirements of next-generation weapons systems. He analyzes China, India, Japan, South Korea, and Southeast Asia. The overarching question in the book is whether self-reliance is a strategically viable solution for development and manufacturing of arms. Given the ever-changing dynamics and increasing demand for sophisticated next-generation weaponry, will these countries be able to individually sustain their domestic defense industries and constantly update their technologies? This is the first book to analyze arms production from a regional perspective.

Fortifying China - Tai Ming Cheung 2013-04-15
Fortifying China explores the titanic struggle to turn China into an aspiring world-class military technological power. The defense economy is leveraging the country's vibrant civilian economy and gaining access to foreign sources of technology and know-how. Drawing on extensive Chinese-language sources, Tai Ming Cheung explains that this transformation has two key dimensions. The defense economy is being reengineered to break down bureaucratic barriers and reduce the role of the state, fostering a more competitive and entrepreneurial culture to facilitate the rapid diffusion and absorption of technology and

knowledge. At the same time, the civilian and defense economies are being integrated to form a dual-use technological and industrial base. In Cheung's view, the Chinese authorities believe this strategy will play a key role in supporting long-term defense modernization. For China's neighbors and the United States, understanding China's technological, industrial, and military capabilities is critical to the formulation of economic and security policies. Fortifying China provides crucial insight into the impact of China's dual-use technology strategy. Cheung's "systems of innovation" framework considers the structure, dynamics, and performance of the defense economy from a systems-level perspective.

It's Legal but It Ain't Right - Nikos Passas 2010-02-22

Many U.S. corporations and the goods they produce negatively impact our society without breaking any laws. We are all too familiar with the tobacco industry's effect on public health and health care costs for smokers and nonsmokers, as well as the role of profit in the pharmaceutical industry's research priorities. It's Legal but It Ain't Right tackles these issues, plus the ethical ambiguities of legalized gambling, the firearms trade, the fast food industry, the pesticide industry, private security companies, and more. Aiming to identify industries and goods that undermine our societal values and to hold them accountable for their actions, this collection makes a valuable contribution to the ongoing discussion of ethics in our time. This accessible exploration of corporate legitimacy and crime will be important reading for advocates, journalists, students, and anyone interested in the dichotomy between law and legitimacy. Nikos Passas is Professor in the College of Criminal Justice at Northeastern University. Neva Goodwin is Co-director of the Global Development and Environment Institute at Tufts University.

Keeping the Technological Edge - Andrew P. Hunter 2015-10-13

This report explores the context of the global innovation environment that is driving the need for the U.S. Department of Defense to better connect with the global commercial economy.

The Global Arms Trade - Andrew T. H. Tan 2014-05-22

The Global Arms Trade is a timely, comprehensive and in-depth study of this topic, a phenomenon which has continued to flourish despite the end of the Cold War and the preoccupation with global terrorism after 11 September 2001. It provides a clear description and analysis of the demand for, and supply of, modern weapons systems, and assess key issues of concern. This book will be especially useful to scholars, policy analysts, those in the arms industry, defence professionals, students of international relations and security studies, media professionals, government officials, and those generally interested in the arms trade. Handbook of Defense Economics - Todd Sandler 2007-04-12

The second volume of the Handbook of Defense Economics addresses defense needs, practices, threats, and policies in the modern era of globalization. This new era concerns the enhanced cross-border flows of all kinds (e.g., capital and labor flows, revolutionary rhetoric, guerrillas, and terrorists) including the spillovers of benefits and costs associated with public goods and transnational externalities (i.e., uncompensated interdependencies affecting two or more nations). These ever-increasing flows mean that military armaments and armies are less able to keep out security threats. Thus, novel defense and security barriers are needed to protect borders that are porous to terrorists, pollutants, political upheavals, and conflicts. Even increased trade and financial flows imply novel security challenges and defenses. Globalization also underscores the importance of

a new set of institutions (e.g., the European Union and global governance networks) and agents (e.g., nongovernmental organizations and partnerships). This volume addresses the security challenges in this age of globalization, where conflicts involve novel tactics, new technologies, asymmetric warfare, different venues, and frightening weapons. Volume 2 contains topics not covered in volume 1 - i.e., civil wars, peacekeeping, economic sanctions, the econometrics of arms races, conversion, peace economics, and the interface of trade, peace, and democracy. Volume 2 also revisits topics from volume 1, where there has been a significant advancement of knowledge - i.e., conflict analysis, terrorism, arms races, arms trade, military manpower, and arms industries. All of the main securities concerns of today are analyzed. Chapters are written by the leading contributors in the topic areas. *Up-to-date surveys on the pressing defense issues: theoretical, empirical and policy issues. *Coverage of theoretical and empirical studies of terrorism. *Contributions by the leading researchers in the field of defense economics. **The Handbook of European Defence Policies and Armed Forces** - Hugo Meijer 2018 This volume provides the first geographically and thematically comprehensive study of the evolution and current state of the national security and defence policies, strategies, doctrines, capabilities, and military operations, as well as the alliances and security partnerships, of European armed forces.