

## Peace War And Computers

*Provides a broad view of the human, organizational, budgetary, and procedural elements fundamental to command and control. Also discusses how the command and control concept has grown into command, control, communications, intelligence, and information (C3I). Illustrated.*

*The world's first peace organizations emerged in the 19th century and since that time, anti-war activism has progressed rapidly. This illuminating book presents a realistic analysis of the extent to which the war system has infiltrated all aspects of Western culture and how it works to perpetuate war rather than promote peace. Additionally, the text describes the historically recent and still evolving parallel system of peace institutions. The values and ideas*

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*that have grown out of peace activism offer a very real opportunity to outlaw war in the coming century just as slavery was abolished in the 19th century. Instructors considering this book for use in a course may request an examination copy here.*

*Computers are at the heart of war as we know it and this visionary overview of cyber war in the twenty-first century studies how electronics have changed the way we fight. Using informatics and chaos theory, this is a disarming, yet enthralling read.*

*When evil men plot, good men must plan. -Martin Luther King, Jr. If anything is guaranteed about the future, it's that technological innovation will advance more quickly each year. But progress isn't just for those with good intentions. The technology that empowers you can also imperil you, making digital risk management an existential priority for your company. Some of our most famous*

*predecessors also faced unprecedented obstacles, and their stories are more than good folklore-they provide us with principles that transcend time and space. [?] In Cyber War...and Peace, Nick Shevelyov shares how lessons learned from history's most poignant moments reveal strategies to help manage risk in today's-and tomorrow's-digital landscape. Nick's insight and analysis will introduce you to concepts that will increase resiliency within your organization, no matter its size. This exploration of history, strategy, and the digital world around us will challenge you to reexamine the past, solve new problems, and embrace timeless techniques.*

*Programming for Peace*

*War, Peace, and Democracy in the Age of AI*

*Marooned in Realtime*

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*Business Leadership, Technology, and Success in the Digital Age*  
*The Road to 1914*

*Operational Research in War and Peace*

*Energy in Physics, War and Peace*

An informed modern plan for post-2020 American foreign policy that avoids the opposing dangers of retrenchment and overextension. Russia and China are both believed to have "grand strategies"--detailed sets of national security goals backed by means, and plans, to pursue them. In the United

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States, policy makers have tried to articulate similar concepts but have failed to reach a widespread consensus since the Cold War ended. While the United States has been the world's prominent superpower for over a generation, much American thinking has oscillated between the extremes of isolationist agendas versus interventionist and overly assertive ones. Drawing on historical precedents and weighing issues such as Russia's

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resurgence, China's great rise, North Korea's nuclear machinations, and Middle East turmoil, Michael O'Hanlon presents a well-researched, ethically sound, and politically viable vision for American national security policy. He also proposes complementing the Pentagon's set of "4+1" pre-existing threats with a new "4+1" biological, nuclear, digital, climatic, and internal dangers.

story of loss and survival. Germany's

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invasion of Hungary in 1944 marked the end of a culture that had dominated Central Europe from the nineteenth century to the middle of the twentieth. In this poignant memoir, Charles Farkas offers a testament to this vanished way of life—its society, morality, personal integrity, wealth, traditions, and chivalry—as well as an eyewitness account of its destruction, begun at the hands of the Nazis and then completed under the heel of Soviet

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Communism. Farkas's recollections of growing up in Budapest, a city whose grandeur embraced—indeed spanned—the Danube River; his vivid descriptions of everyday life in Hungary before, during, and after World War II; and his ultimate flight to freedom in the United States remind us that behind the larger historical events of the past century are the stories of the individual men and women who endured and, ultimately, survived them.



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Traditional explorations of war look through the lens of history and military science, focusing on big events, big battles, and big generals. By contrast, The SAGE Encyclopedia of War: Social Science Perspective views war through the lens of the social sciences, looking at the causes, processes and effects of war and drawing from a vast group of fields such as communication and mass media, economics, political science and law,

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psychology and sociology. Key features include: More than 650 entries organized in an A-to-Z format, authored and signed by key academics in the field Entries conclude with cross-references and further readings, aiding the researcher further in their research journeys An alternative Reader's Guide table of contents groups articles by disciplinary areas and by broad themes A helpful Resource Guide directing researchers to classic books,

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journals and electronic resources for more in-depth study This important and distinctive work will be a key reference for all researchers in the fields of political science, international relations and sociology. Writing even in overview of more than a half-century of professional life of a giant of twentieth century science and technology such as Edward Teller is a daunting task. We ask in advance the reader's pardon for passing over

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quickly or omitting entirely aspects of Teller's life and work which may seem of major significance but which we, due to differences of perspective or knowledge, speak too little or not at all. We refer those interested in greater depth to the excellent biography by Stanley Blumberg and Gwen Owens, *The Life and Times of Edward Teller*, and we have (with his permission) printed Professor Eugene Wigner's *An Appreciation On the 60th*

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Birthday of Edward Teller immediately after this foreword, so that the reader may consider the perspective of one of Teller's most illustrious contemporaries more than two decades ago. Edward Teller was born in Budapest, Hungary on January 15, 1908. While his childhood was spent in the twilight of the Victorian age and its abrupt conclusion in the Great War and his youth in its especially turbulent after math in central Europe, he

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doesn't bear visible scars from it.  
Computer-Aided Methods for  
International Conflict Resolution and  
Prevention  
War and Peace in the Information Age  
Vanished by the Danube  
Toward Cyber Peace  
Not War, Not Peace?  
Strategies, Tactics, and Logistics  
The Rise and Fall of Empires  
***This updated and expanded edition of  
Cyberspace in Peace and War by Martin C.***

***Libicki presents a comprehensive understanding of cybersecurity, cyberwar, and cyber-terrorism. From basic concepts to advanced principles, Libicki examines the sources and consequences of system compromises, addresses strategic aspects of cyberwar, and defines cybersecurity in the context of military operations while highlighting unique aspects of the digital battleground and strategic uses of cyberwar. This new edition provides updated analysis on cyberespionage, including the enigmatic behavior of***

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*Russian actors, making this volume a timely and necessary addition to the cyber-practitioner's library. Cyberspace in Peace and War guides readers through the complexities of cybersecurity and cyberwar and challenges them to understand the topics in new ways. Libicki provides the technical and geopolitical foundations of cyberwar necessary to understand the policies, operations, and strategies required for safeguarding an increasingly online infrastructure.*

*The Business-IT Wall Must Come Down. With*



*A Seat at the Table, thought leader Mark Schwartz pulled out a chair for CIOs at the C-suite table. Now Mark brings his unique perspective and experience to business leaders looking to lead their company into the digital age by harnessing the expertise and innovation that is already under their roof: IT. In the war for business supremacy, Schwartz shows we must throw out the old management models and stereotypes that pit suits against nerds. Instead, business leaders of today can foster a space of collaboration and*

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*shared mission, a space that puts technologists and business people on the same team. For business leaders looking to unlock their enterprise's digital transformation, War and Peace and IT provides clear context and strategies. Schwartz demystifies the role IT plays in the modern enterprise, allowing business leaders to create new strategies for the new digital battleground. It is time to change not only the enterprise's relationship with technology, but its relationship with technologists. To*

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*accelerate, enterprises must bring technology to the heart of their work, for just as technology is causing this disruption, it is technology that provides the solution. Unlike Napoleon, it is time for business leaders to come down from the hill atop the Battle of Borodino and enter the fray with the technologists, for that is where the war will be won or lost. In War and Peace and War, Peter Turchin uses his expertise in evolutionary biology to offer a bold new theory about the course of world history. Turchin argues*

*that the key to the formation of an empire is a society's capacity for collective action. He demonstrates that high levels of cooperation are found where people have to band together to fight off a common enemy, and that this kind of cooperation led to the formation of the Roman and Russian empires, and the United States. But as empires grow, the rich get richer and the poor get poorer, conflict replaces cooperation, and dissolution inevitably follows. Eloquently argued and rich with historical examples, War and Peace and War*

*offers a bold new theory about the course of world history with implications for nations today.*

*The Mumbai blasts of 1993, the attack on the Indian Parliament in 2001, Mumbai 26/11—cross-border terrorism has continued unabated. What can India do to motivate Pakistan to do more to prevent such attacks? In the nuclear times that we live in, where a military counter-attack could escalate to destruction beyond imagination, overt warfare is clearly not an option. But since outright peace-making*

*seems similarly infeasible, what combination of coercive pressure and bargaining could lead to peace? The authors provide, for the first time, a comprehensive assessment of the violent and non-violent options available to India for compelling Pakistan to take concrete steps towards curbing terrorism originating in its homeland. They draw on extensive interviews with senior Indian and Pakistani officials, in service and retired, to explore the challenges involved in compellence and to show how*

*non-violent coercion combined with clarity on the economic, social and reputational costs of terrorism can better motivate Pakistan to pacify groups involved in cross-border terrorism. Not War, Not Peace? goes beyond the much discussed theories of nuclear deterrence and counterterrorism strategy to explore a new approach to resolving old conflicts. IT Applications and Infrastructures in Conflicts, Crises, War, and Peace The Secret Guide to Computers, 2003 Cyber War and Peace*

*Peace Against War*

*The Peace War*

*Early Christian Understandings of War*

*War and Peace and IT*

Now in an updated edition, this pioneering and authoritative study considers the profound impact of the growing global water crunch on international peace and security as well as possible ways to mitigate the crisis. Although water is essential to sustaining life and livelihoods, geostrategist Brahma Chellaney argues that it remains the world's most underappreciated and undervalued resource.



**One sobering fact is that the retail price of bottled water is already higher than the international spot price of crude oil. But unlike oil, water has no substitute, raising the specter of water becoming the next flashpoint for conflict. Water war as a concept may not mesh with the conventional construct of warfare, especially for those who plan with tanks, combat planes, and attack submarines as weapons. Yet armies don't necessarily have to march to battle to seize or defend water resources. Water wars—in a political, diplomatic, or economic sense—are already being waged between riparian neighbors in many parts of the world,**

**fueling cycles of bitter recrimination, exacerbating water challenges, and fostering mistrust that impedes broader regional cooperation and integration. The danger is that these water wars could escalate to armed conflict or further limit already stretched food and energy production. Writing in a direct, nontechnical, and engaging style, Brahma Chellaney draws on a wide range of research from scientific and policy fields to examine the different global linkages between water and peace. Offering a holistic picture and integrated solutions, his book has become the recognized authority on the most precious natural resource**

**of this century and how we can secure humankind's water future.**

**First Published in 2005. Routledge is an imprint of Taylor & Francis, an informa company.**

**Sadly enough, war, conflicts and terrorism appear to stay with us in the 21st century. But what is our outlook on new methods for preventing and ending them? Present-day hard- and software enables the development of large crisis, conflict, and conflict management databases with many variables, sometimes with automated updates, statistical analyses of a high complexity, elaborate simulation models, and even interactive uses of these databases. In**

**this book, these methods are presented, further developed, and applied in relation to the main issue: the resolution and prevention of intra- and international conflicts. Conflicts are a worldwide phenomenon. Therefore, internationally leading researchers from the USA, Austria, Canada, Germany, New Zealand and Switzerland have contributed.**

**Discover how the United States can beat China, Russia, Iran, and ISIS in the coming information-technology wars from the New York Times bestselling author and veteran Washington Times columnist Bill Gertz. America is at war, but most of its citizens don't**

**realize it. Covert information warfare is being waged by world powers, rogue states—such as Russia, China, Iran, and North Korea—and even terrorist groups like ISIS. This conflict has been designed to defeat and ultimately destroy the United States. This new type of warfare is part of the Information Age that has come to dominate our lives. In iWar, Bill Gertz describes how technology has completely revolutionized modern warfare, how the Obama administration failed to meet this challenge, and what we can and must do to catch up and triumph over this timely and important struggle.**

**Peace, War, and Computers**

**Local Voices in Measurement and Evaluation  
After War**

**The SAGE Encyclopedia of War: Social Science  
Perspectives**

**A Festschrift Celebrating Edward Teller's 80th  
Birthday**

**The Top-Rated Computer Tutorial  
Communication and Culture in War and Peace  
From War to Peace**

**A historically-grounded examination of United States  
foreign policy that interrogates the ideological  
assumptions--whether explicit or tacit--that drive it.  
By exploring the role of both culture and the mass**

**media, this volume fills a gap in the literature on war and peace. Outstanding scholars provide an overview of critical mass media research and open up entirely new perspectives on the ongoing debate over communications issues in war and peace. The contributions bring together common themes including the military-industrial-communications complex, cultural imperialism and transnational control of communications. Various perspectives are covered, such as gender issues, language study and bureaucratization.**

**How should Christians regard the use of military**

**force? Should they become involved in fighting for their country? Can they not find a better way to settle differences? The author, a biblical scholar, writer, and missionary in Uruguay and Spain, turns to the history of the early church for answers. He notes that the early Christians opposed warfare and military service because of the teachings of Jesus. Jesus taught love for enemies and persecutors. This led the early believers to resist the evils and injustices of their time with nonviolent love and forgiveness. The author then shows how Christians eventually became involved in military life. However, between [A.D.] 100 and 312**



**no Christian writers, to our knowledge, approved of Christian participation in warfare. In fact, all those who wrote on the subject disapproved of the practice. You will discover that John Driver writes in clear, concise terms and that he offers food for thought and action.**

**First in a quintessential hard-science fiction adventure, Hugo Award-winning author Vernor Vinge's *The Peace War* follows a scientist determined to put an end to the militarization of his greatest invention--and of the government behind it. *The Peace Authority* conquered the world with a weapon that**

**never should have been a weapon--the "bobble," a spherical force-field impenetrable by any force known to mankind. Encasing governmental installations and military bases in bobbles, the Authority becomes virtually omnipotent. But they've never caught Paul Hoehler, the maverick who invented the technology, and who has been working quietly for decades to develop a way to defeat the Authority. With the help of an underground network of determined, independent scientists and a teenager who may be the apprentice genius he's needed for so long, he will shake the world. At the Publisher's request, this title is being sold**

**without Digital Rights Management Software (DRM) applied.**

**The Art of War in an Age of Peace**

**The Science of War**

**Water, Peace, and War**

**Information Technology for Peace and Security**

**The British Experience from the 1930s to 1970**

**New Technologies and the Law in War and Peace**

**Cyberspace in Peace and War, Second Edition**

The frontiers are the future of humanity. Peacefully and sustainably managing them is critical to both security and prosperity in the twenty-first century.

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Thoroughly sharp and honest treatment of a brutal conflict. The Algerian War (1954-1962) was a savage colonial war, killing an estimated one million Muslim Algerians and expelling the same number of European settlers from their homes. It was to cause the fall of six French prime ministers and the collapse of the Fourth Republic. It came close to bringing down de Gaulle and - twice - to plunging France into civil war. The story told here contains heroism and tragedy, and poses issues of enduring relevance beyond the confines of either geography or time. Horne writes with the extreme intelligence and perspicacity that are his trademarks.

Peace is a universal ideal, but its political life is a great paradox: "peace" is the opposite of war, but it also enables war. If peace is the elimination of war, then what does it mean to wage war for the sake of peace? What does peace mean when some say that they are

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committed to it but that their enemies do not value it? Why is it that associating peace with other ideals, like justice, friendship, security, and law, does little to distance peace from war? Although political theory has dealt extensively with most major concepts that today define "the political" it has paid relatively scant critical attention to peace, the very concept that is often said to be the major aim and ideal of humanity. In *War for Peace*, Murad Idris looks at the ways that peace has been treated across the writings of ten thinkers from ancient and modern political thought, from Plato to Immanuel Kant and Sayyid Qutb, to produce an original and striking account of what peace means and how it works. Idris argues that peace is parasitical in that the addition of other ideals into peace, such as law, security, and friendship, reduces it to consensus and actually facilitates war; it is provincial in that its universalized content

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reflects particularistic desires and fears, constructions of difference, and hierarchies within humanity; and it is polemical, in that its idealization is not only the product of antagonisms, but also enables hostility. *War for Peace* uncovers the basis of peace's moralities and the political functions of its idealizations, historically and into the present. This bold and ambitious book confronts readers with the impurity of peace as an ideal, and the pressing need to think beyond universal peace.

NAMED ONE OF THE BEST BOOKS OF THE YEAR BY The New York Times Book Review □ The Economist □ The Christian Science Monitor □ Bloomberg Businessweek □ The Globe and Mail

From the bestselling and award-winning author of *Paris 1919* comes a masterpiece of narrative nonfiction, a fascinating portrait of Europe from 1900 up to the outbreak of World War I. The century

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since the end of the Napoleonic wars had been the most peaceful era Europe had known since the fall of the Roman Empire. In the first years of the twentieth century, Europe believed it was marching to a golden, happy, and prosperous future. But instead, complex personalities and rivalries, colonialism and ethnic nationalisms, and shifting alliances helped to bring about the failure of the long peace and the outbreak of a war that transformed Europe and the world. The War That Ended Peace brings vividly to life the military leaders, politicians, diplomats, bankers, and the extended, interrelated family of crowned heads across Europe who failed to stop the descent into war: in Germany, the mercurial Kaiser Wilhelm II and the chief of the German general staff, Von Moltke the Younger; in Austria-Hungary, Emperor Franz Joseph, a man who tried, through sheer hard work, to stave off the coming chaos in

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his empire; in Russia, Tsar Nicholas II and his wife; in Britain, King Edward VII, Prime Minister Herbert Asquith, and British admiral Jacky Fisher, the fierce advocate of naval reform who entered into the arms race with Germany that pushed the continent toward confrontation on land and sea. There are the would-be peacemakers as well, among them prophets of the horrors of future wars whose warnings went unheeded: Alfred Nobel, who donated his fortune to the cause of international understanding, and Bertha von Suttner, a writer and activist who was the first woman awarded Nobel's new Peace Prize. Here too we meet the urbane and cosmopolitan Count Harry Kessler, who noticed many of the early signs that something was stirring in Europe; the young Winston Churchill, then First Lord of the Admiralty and a rising figure in British politics; Madame Caillaux, who shot a man who might have been a force for



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peace; and more. With indelible portraits, MacMillan shows how the fateful decisions of a few powerful people changed the course of history. Taut, suspenseful, and impossible to put down, *The War That Ended Peace* is also a wise cautionary reminder of how wars happen in spite of the near-universal desire to keep the peace.

Destined to become a classic in the tradition of Barbara Tuchman's *The Guns of August*, *The War That Ended Peace* enriches our understanding of one of the defining periods and events of the twentieth century. Praise for *The War That Ended Peace*

“Magnificent . . . *The War That Ended Peace* will certainly rank among the best books of the centennial crop.” *The Economist*

“Superb.” *The New York Times Book Review* “Masterly . . .

marvelous . . . Those looking to understand why World War I happened will have a hard time finding a better place to start.” *The*

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Christian Science Monitor "The debate over the war's origins has raged for years. Ms. MacMillan's explanation goes straight to the heart of political fallibility. . . . Elegantly written, with wonderful character sketches of the key players, this is a book to be treasured." "The Wall Street Journal "A magisterial 600-page panorama." "Christopher Clark, London Review of Books

U. S. Grand Strategy and Resolute Restraint

Peace War & Numbers

My Life in Science and Technology

In War and Peace

Motivating Pakistan to Prevent Cross-Border Terrorism

War for Peace

A Soldier's Life in War and Peace

Introduces the Everyday Peace Indicators as a

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measurement, diagnostic and evaluation tool and makes an argument for its utility in conflict affected contexts.

"This book chronicles the life and times of Major General A.S. Naravane, both in peace and war. He joined the Indian Military Academy, Dehra Dun in 1936 and was commissioned in 1938. He was amongst the first few who were accepted for the Indian Artillery, which, till 1934 was offered exclusively by the British. His early days in the regiment were one of very hard work and training. The profession of arms was a very highly prized

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occupation and all was done to make the young officers worthy of being in it. The training methods then are described with much pride and nostalgia. Naravane went to war as a captain and his artillery regiment, the 2nd Field, soon saw action against the then invincible Germans under Rommel. At Bir Hachiem he was taken prisoner. The trials and tribulations as a prisoner are worth reading, especially for the young officer, as they show that whatever the conditions, the first duty of every prisoner of war is to try and escape. Liberty may be lost, but courage and pride in one's regiment, never.

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The transition from the British Indian Army to a national army is brought out frankly but with restraint. His career and rise to the post of Director of Artillery is, in a way, the conflict of the old and the new that every pre-war officer had to face"--Dust jacket.

Multiple Hugo Award winner Vernor Vinge takes readers on a fifty-million-year trip to a future where humanity's fate will be decided in a dangerous game of high-tech survival. In this taut thriller, a Hugo finalist for Best Novel, nobody knows why there are only three hundred humans left alive on the Earth fifty million years from now. Opinion is fiercely

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divided on whether to settle in and plant the seed of mankind anew, or to continue using high-energy stasis fields, or "bobbles," in venturing into the future. When somebody is murdered, it's obvious someone has a secret he or she is willing to kill to preserve. The murder intensifies the rift between the two factions, threatening the survival of the human race. It's up to 21st century detective Wil Brierson, the only cop left in the world, to find the culprit, a diabolical fiend whose lust for power could cause the utter extinction of man. Filled with excitement and adventure, Vinge's tense SF puzzler will satisfy

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readers with its sense of wonder and engaging characters, one of whom is a murderer with a unique modus operandi. At the Publisher's request, this title is being sold without Digital Rights Management Software (DRM) applied.

This is the first of two projected volumes on the history of operational research (OR) in Britain commissioned by the UK Operational Research Society. Based upon a vast array of published and unpublished sources, the book provides an original account of the discipline's pre-war and wartime origins. This serves as a prelude to a wide-ranging

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analysis of the diffusion of OR into the public and private sectors after 1945. The chapters on the role of OR in iron and steel and coalmining, and its rapid adoption in the UK corporate sector after 1960, will be of particular interest to practitioners. The book also analyses and explains the diffusion of OR into local and central government and provides an informed commentary on the origins and subsequent history of the OR Society. Professor Kirby has related the development of OR in the UK to contemporary developments in the USA. The book concludes with a resume of the post-1970 debates



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concerning the future trajectory of OR. Contents: The Origins of Operational Research: Military and Other Antecedents to 1937 The Beginnings of Operational Research: British Air Strategy, 1920–1940 The Wartime Diffusion of Operational Research, 1940–1945 Operational Research in Bomber Command, 1941–1945 The Postwar Labour Government and Operational Research 1945–1951 Operational Research in Iron and Steel Operational Research in Coalmining The Diffusion of Operational Research After 1960: The Corporate Sector Operational Research in the Public

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**Sector**The Institutional Development of Operational Research Readership: Graduate students, academics and practitioners in operational research and management science, as well as military, business and economic historians. Key

**Features:**This is the first detailed history of operational research in Britain, written by an established economic historian. It is not a narrow history of the subject — the development and diffusion of OR is placed firmly within the context of Britain's recent political, social and economic history. Sponsored by the Operational Research

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Society, the book is based upon a wide range of archival sources, oral interviews and secondary literature. The book has been written at a level which can be understood by readers unfamiliar with OR methodology and techniques. For OR practitioners and academics, the book is an essential aid to understanding the background to the debates and controversies which affected the OR community in the 1970s and 1980s and which still resonate today. For specialist historians, the book will appeal to those with interests in the 'scientific management' of modern warfare; social historians wishing to

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further their understanding of the 'rise of professions'; economic and business historians with interests in Britain's post-1945 industrial and managerial development; and political historians seeking further insights into the modernisation of central government unleashed by the 1964–70 Labour Government. Reviews: "Although the brief of this book might appear narrow, Kirby has commendably broadened its scope to show the relevance of OR to, or used it as an example of wider historical and economic issues, most obviously in his discussions about the penetration of Taylorism

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and scientific management in Britain compared to the US.” Business History “... is an excellent authorized history, produced for the Operational Research (OR) Society. Its novelty lies not in what it tells us about OR at war but about OR in peace.” The Economic History Review “The interesting historical perspective presented by the author shows that the success of operational research in obtaining the status of an independent science considerably increased the level of its technical requirements and therefore is also responsible for a closed-loop mathematical development and a loss of contact with

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application.”Mathematical Reviews

The War That Ended Peace

The New Fire

War and Peace and War

Peace, War and Computers

A Savage War of Peace

IWar

Building Digital Trust Today with History as Our  
Guide

AI is revolutionizing the world. Here's how  
democracies can come out on top. Artificial  
intelligence is revolutionizing the modern

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world. It is ubiquitous—in our homes and offices, in the present and most certainly in the future. Today, we encounter AI as our distant ancestors once encountered fire. If we manage AI well, it will become a force for good, lighting the way to many transformative inventions. If we deploy it thoughtlessly, it will advance beyond our control. If we wield it for destruction, it will fan the flames of a new kind of war, one that holds democracy in the balance. As AI policy experts Ben Buchanan and Andrew Imbrie show in *The New Fire*, few choices are more urgent—or more fascinating—than how we harness this

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technology and for what purpose. The new fire has three sparks: data, algorithms, and computing power. These components fuel viral disinformation campaigns, new hacking tools, and military weapons that once seemed like science fiction. To autocrats, AI offers the prospect of centralized control at home and asymmetric advantages in combat. It is easy to assume that democracies, bound by ethical constraints and disjointed in their approach, will be unable to keep up. But such a dystopia is hardly preordained. Combining an incisive understanding of technology with shrewd geopolitical analysis, Buchanan and



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Imbrie show how AI can work for democracy. With the right approach, technology need not favor tyranny.

Policymakers, legislators, scientists, thinkers, military strategists, academics, and all those interested in understanding the future want to know how twenty-first century scientific advance should be regulated in war and peace. This book tries to provide some of the answers. Part I summarises some important elements of the relevant law. In Part II, individual chapters are devoted to cyber capabilities, highly automated and autonomous systems, human enhancement technologies,

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human degradation techniques, the regulation of nanomaterials, novel naval technologies, outer space, synthetic brain technologies beyond artificial intelligence, and biometrics. The final part of the book notes important synergies that emerge between the different technologies and legal provisions, existing and proposed, assesses notions of convergence and of composition in international law, and provides some concluding remarks. The new technologies, their uses, and their regulation in war and peace are presented to the reader who is invited to draw conclusions.

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War, while often gruesome and devastating, can also be viewed as a science or art, involving the translation of theory into practice. Even as weapons grow in sophistication over time, war has always involved careful calculations and balancing the interests of the involved party with effective combat techniques against an enemy. This absorbing volume examines the evolution of the strategies, tactics, and logistics employed in various wars and conflicts, from ancient times to the present-day. This book offers an introduction to Information Technology with regard to peace,

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conflict, and security research, a topic that it approaches from natural science, technical and computer science perspectives. Following an initial review of the fundamental roles of IT in connection with peace, conflict and security, the contributing authors address the rise of cyber conflicts via information warfare, cyber espionage, cyber defence and Darknets. The book subsequently explores recent examples of cyber warfare, including:

- The Stuxnet attack on Iran's uranium refining capability
- The hacking of the German Federal Parliament's internal communication system
- The Wannacry malware

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campaign, which used software stolen from a US security agency to launch ransomware attacks worldwide. The book then introduces readers to the concept of cyber peace, including a discussion of confidence and security-building measures. A section on Cyber Arms Control draws comparisons to global efforts to control chemical warfare, to reduce the risk of nuclear war, and to prevent the militarization of space.

Additional topics include the security of critical information infrastructures, and cultural violence and peace in social media. The book concludes with an outlook on the

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future role of IT in peace and security.  
Information Technology for Peace and Security  
breaks new ground in a largely unexplored  
field of study, and offers a valuable asset  
for a broad readership including students,  
educators and working professionals in  
computer science, IT security, peace and  
conflict studies, and political science.  
Reclaiming Everyday Peace  
Understanding U.S. Foreign Policy  
Algeria 1954-1962  
Cyber War...and Peace  
Genealogies of a Violent Ideal in Western and  
Islamic Thought

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The Ecology of International Violence

A Guide to the Next Hundred Years

Science came into Guy Stever's life as a pure and peaceful pursuit. It was only later, as he walked through the wreckage of wartime London that he began to see science as central to a desperate struggle to survive. Past president of Carnegie Mellon University, former Chief Scientist of the U.S. Air Force, one-time Director of the National Science Foundation, professor at MIT for 20 years, member of the National Academies of Sciences and Engineering, and science advisor to two presidents! Guy Stever was a central figure in twentieth century science consistently on the front lines,

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changing the fate of a nation. In this thoughtful and candid memoir, Stever recounts an extraordinary life that reveals as much about the man as about the major scientific and technological events of his day. Born of humble origins and orphaned at an early age, Stever journeyed from a small town in New York to work alongside British comrades who were developing and refining the critical radar technology that was to turn the tide of the war against the Germans. As a technical intelligence officer, these harrowing wartime years took him from the beachheads of Normandy to the German slave-labor factories responsible for building the V-2 rockets. Stever returned home committed to serving his country. He



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became intimately involved in America's nascent guided missile program and was to remain a key player in the anti-ballistic missile defense program that heralded the era of the Cold War. As the decades passed, Stever continued to exert lasting influence on countless scientific endeavors. He was instrumental in the formation of new institutions, from the creation of NASA in the post-Sputnik years to the merging of Carnegie Tech and the Mellon Institution, giving birth to Carnegie Mellon University. As Presidential Science Advisor to both Nixon and Ford, Stever shaped the very structure of contemporary presidential science advising. And he was to chair the oversight committee that redesigned the space shuttle

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boosters after the Challenger explosion. Guy Steverâ€™s life offers remarkable insight into the twentieth century. Through his eyes, we relive the history of the past 50 years, witnesses to a tale of science and technology that is revealing in its scope and sweep.

In this double-blind, peer-reviewed volume, expert contributors draw upon philosophers such as Aristotle, Alasdair MacIntyre, and Emmanuel Levinas in order to explore how the ethics of war and peace resonate with organizational ethics.

Surveys the causes and consequences of war, and assesses the possibilities for eliminating or reducing the threat of war

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