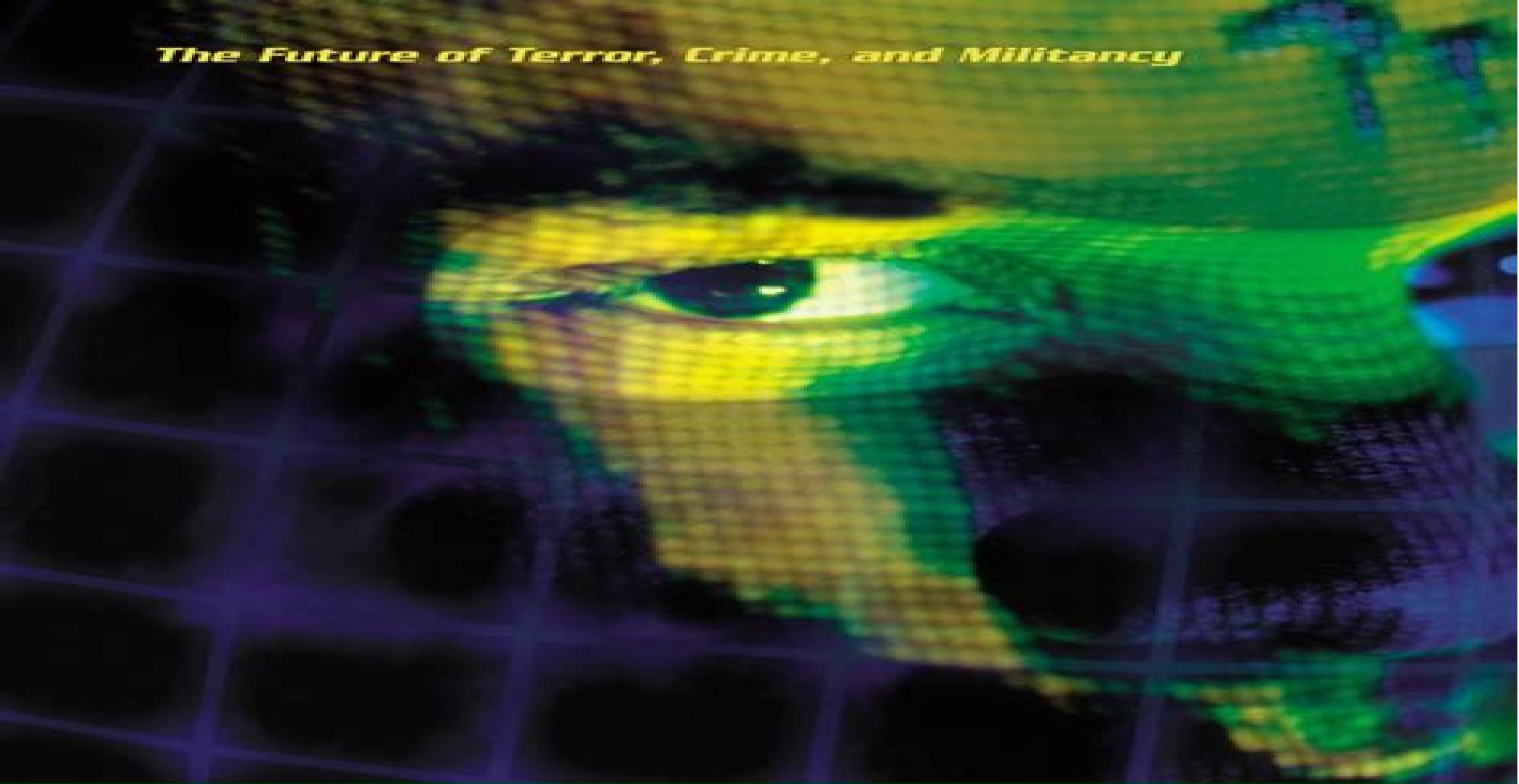


The Future of Terror, Crime, and Militancy



Networks and Netwars

John Arquilla • David Ronfeldt

National Defense Research Institute RAND

Networks And Netwars

Peter R. Monge, Noshir Contractor



Networks And Netwars:

Networks and Netwars John Arquilla, David Ronfeldt, 2001-11-05 Netwar like cyberwar describes a new spectrum of conflict that is emerging in the wake of the information revolution Netwar includes conflicts waged on the one hand by terrorists criminals gangs and ethnic extremists and by civil society activists such as cyber activists or WTO protestors on the other What distinguishes netwar is the networked organizational structure of its practitioners with many groups actually being leaderless and their quickness in coming together in swarming attacks To confront this new type of conflict it is crucial for governments military and law enforcement to begin networking themselves

Networks and Netwars. The Future of Terror, Crime, and Militancy, 2001 Netwar is the lower intensity societal level counterpart to our earlier mostly military concept of cyberwar Netwar has a dual nature like the two faced Roman god Janus in that it is composed of conflicts waged on the one hand by terrorists criminals and ethnonationalist extremists and by civil society activists on the other What distinguishes netwar as a form of conflict is the networked organizational structure of its practitioners with many groups actually being leaderless and the suppleness in their ability to come together quickly in swarming attacks The concepts of cyberwar and netwar encompass a new spectrum of conflict that is emerging in the wake of the information revolution This volume studies major instances of netwar that have occurred over the past several years and finds among other things that netwar works very well Whether the protagonists are civil society activists or uncivil society criminals and terrorists their networks have generally been successful In part the success of netwar may be explained by its very novelty much as earlier periods of innovation in military affairs have seen new practices triumphant until an appropriate response is discovered But there is more at work here The network form of organization has reenlivened old forms of licit and illicit activity posing serious challenges to those mainly the militaries constabularies and governing officials of nation states whose duty is to cope with the threats this new generation of largely nonstate actors poses

Networks and Netwars John Arquilla, David F. Ronfeldt, 2001 Netwar like cyberwar describes a new spectrum of conflict that is emerging in the wake of the information revolution Netwar includes conflicts waged on the one hand by terrorists criminals gangs and ethnic extremists and by civil society activists such as cyber activists or WTO protestors on the other What distinguishes netwar is the networked organizational structure of its practitioners with many groups actually being leaderless and their quickness in coming together in swarming attacks To confront this new type of conflict it is crucial for governments military and law enforcement to begin networking themselves

New Political Religions, Or an Analysis of Modern Terrorism Barry Cooper, 2005-08 While terrorism has been used throughout the ages as a weapon in political struggles there is an essential difference between groups who use these tactics for more or less rational political goals and those seeking more apocalyptic ends Cooper argues that today's terrorists have a spiritual perversity that causes them to place greater significance on killing than on exploiting political grievances He supports his assertion with an analysis of two groups that share the characteristics of a

pneumopathological consciousness Anum Shinrikyo the terrorist organization that poisoned thousands of Tokyo subway riders in 1995 and Al Qaeda the group behind the infamous 9 11 killings *Network Logic* Helen McCarthy, Paul Miller, Paul Skidmore, 2004

Non-state Threats and Future Wars Robert J. Bunker, 2012-11-12 The intent behind this book was to bring together a team of defence and national security scholars and real world military and law enforcement operators to focus on the topic of Non State Threats and Future Wars The book is divided into four main sections The first concerns theory The second section concerns non state threats and case studies providing an overview of non state threats ranging from organized crime networks to cartels gangs and warlords The third section is based on counter OPFOR opposing force strategies which detail advanced concepts urban battlespace environmental perceptions weaponry intelligence preparation networked force structure and C4I The fourth and final section contains an archival document from the late 1987 period concerning early Fourth Epoch War theory and never before published interviews with Chechen commanders and officers who participated in combat operations against Russian forces in the 1994 96 war

The Enemy of My Enemy George Michael, 2006 In the violent world of radical extremists the enemy of my enemy is my friend This study reveals how that precept plays out in the unexpected bonding between militant Islam and the extreme right in America and Europe It provides an insightful and sane look at the possibilities for collaboration between these groups

The Network Challenge (Chapter 26) Boaz Ganor, 2009-05-19 As terrorist organizations such as Al Qaeda have been transformed from hierarchical organizations to more fluid networks countering terrorism requires an understanding of networks These networks evolve rapidly in response to actions to thwart them leading to an ongoing struggle of terrorist and antiterrorist networks In this chapter Boaz Ganor examines the evolving threat of terrorist networks and network based responses As he notes it takes a network to beat a network He also examines direct and indirect implications for business organizations

The Transformation of Strategic Affairs Lawrence Freedman, 2017-07-20 This book analyzes the strategic implications of the shift in focus for the US Armed Forces from regular to irregular war Lawrence Freedman closely examines the difficulty the US Armed Forces face in shifting their focus from preparing for regular wars in which combat is separated from civil society to irregular wars in which combat is integrated

Smart Mobs Howard Rheingold, 2007-03-21 From Tokyo to Helsinki Manhattan to Manila Howard Rheingold takes us on a journey around the world for a preview of the next techno cultural shift a shift he predicts will be as dramatic as the widespread adoption of the PC in the 1980s and the Internet in the 1990s The coming wave says Rheingold is the result of super efficient mobile communications cellular phones personal digital assistants and wireless paging and Internet access devices that will allow us to connect with anyone anywhere anytime From the amusing Lovegetty devices in Japan that light up when a person with the right date potential characteristics appears in the vicinity to the extraordinary the overthrow of a repressive regime in the Philippines by political activists who mobilized by forwarding text messages via cell phones Rheingold gives examples of the fundamentally new ways in which people are already engaging

in group or collective action He also considers the dark side of this phenomenon such as the coordination of terrorist cells threats to privacy and the ability to incite violent behavior Applying insights from sociology artificial intelligence engineering and anthropology Rheingold offers a penetrating perspective on the brave new convergence of pop culture cutting edge technology and social activism At the same time he reminds us that as with other technological revolutions the real impact of mobile communications will come not from the technology itself but from how people use it resist it adapt to it and ultimately use it to transform themselves their communities and their institutions

Terrorism in Cyberspace Gabriel

Weimann,2015-04-21 The war on terrorism has not been won Gabriel Weimann argues in *Terrorism in Cyberspace* the successor to his seminal *Terror on the Internet* Even though al Qaeda s leadership has been largely destroyed and its organization disrupted terrorist attacks take 12 000 lives annually worldwide and jihadist terrorist ideology continues to spread How Largely by going online and adopting a new method of organization Terrorist structures traditionally consisting of loose net cells divisions and subgroups are ideally suited for flourishing on the Internet through websites e mail chat rooms e groups forums virtual message boards YouTube Google Earth and other outlets Terrorist websites including social media platforms now number close to 10 000 This book addresses three major questions why and how terrorism went online what recent trends can be discerned such as engaging children and women promoting lone wolf attacks and using social media and what future threats can be expected along with how they can be reduced or countered To answer these questions *Terrorism in Cyberspace* analyzes content from more than 9 800 terrorist websites and Weimann who has been studying terrorism online since 1998 selects the most important kinds of web activity describes their background and history and surveys their content in terms of kind and intensity the groups and prominent individuals involved and effects He highlights cyberterrorism against financial governmental and engineering infrastructure efforts to monitor manipulate and disrupt terrorists online efforts and threats to civil liberties posed by ill directed efforts to suppress terrorists online activities as future worrisome trends

The Network Challenge Paul R. Kleindorfer,Yoram (Jerry) R. Wind,Robert E. Gunther,2009-06-11

New Paperback Edition *Networks and the Enterprise Breakthrough Thinking and Actionable Strategies* This book presents an amazing collection of insights on underlying forces and ways to thrive in our post Coaseian age an age in which the centralized firm is changing into an agile and resilient network of participants A must read for a world where unpredictability reigns supreme John Seely Brown Independent Co Chair of the Deloitte Center for Edge Innovation and Senior Fellow at the Annenberg Center for Communication at the University of Southern California I couldn t wait to get my hands on this research I have already begun to put the ideas into practice in designing next generation open innovation networks the diversity of ideas and perspectives is truly amazing and will be a terrific resource to anyone seeking to move to new business models based on the power of networks for innovation marketing and creating and leveraging big ideas Job well done Larry Huston Creator of the Connect and Develop program for Procter Gamble and Managing Director of 4iNNO a major Open

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Terror on the Internet Gabriel Weimann,2006 Drawing on a seven year study of the World Wide Web and a wide variety of literature the author examines how modern terrorist organizations exploit the Internet to raise funds recruit and propagandize as well as to plan and launch attacks and to publicize their chilling results *Strategy* Lawrence Freedman,2013-10-31 One of the world s leading authorities on war and international politics synthesizes the vast history of strategy s evolution in this consistently engaging and surprising account of how it came to pervade every aspect of life

Theories of Communication Networks Peter R. Monge,Noshir Contractor,2003-03-27 Theories of Communication Networks presents solutions to all five problems The authors develop a multi theoretical model that relates different social science theories with different network properties This model is multilevel providing a network decomposition that applies the various social theories to all network levels individuals dyads triples groups and the entire network The book then establishes a model from the perspective of complex adaptive systems and demonstrates how to use Blanche an agent based network computer simulation environment to generate and test network theories and hypotheses It presents recent developments in network statistical analysis the p family which provides a basis for valid multilevel statistical inferences regarding networks Finally it shows how to relate communication networks to other networks thus providing the basis in

conjunction with computer simulations to study the emergence of dynamic organizational networks Intelligence and Security Informatics, 2005 The Evolution of Strategic Thought The International Institute for Strategic Studies, 2008-04-01 The Adelphi Papers monograph series is the International Institute for Strategic Studies principal contribution to policy relevant original academic research Collected on the occasion of the Institute's 50th anniversary the twelve Adelphi Papers in this volume represent some of the finest examples of writing on strategic issues They offer *The Real Wealth of Nations (Volume 2 of 3) (EasyRead Super Large 24pt Edition)*, *Organizational Network Analysis* Anna Ujwary-Gil, 2019-12-11 The integrated meta model for organizational resource audit is a consistent and comprehensive instrument for auditing intangible resources and their relations and associations from the network perspective This book undertakes a critically important problem of management sciences poorly recognized in literature although determining the current and future competitiveness of enterprises sectors and economies The author notes the need to introduce a theoretical input which is manifested by the meta model An expression of this treatment is the inclusion of the network as a structure of activities further knowledge as an activity and intangible assets as intellectual capital characterized by a structure of connections The case study presented is an illustration of the use of network analysis tools and other instruments to identify not only the most important resources tasks or actors as well as their effectiveness but also to connect the identified networks with each other The author opens the field for applying her methodology revealing the structural and dynamic features of the intangible resources of the organization The novelty of the proposed meta model shows the way to in depth applications of network analysis techniques in an intra organizational environment *Organizational Network Analysis* makes a significant contribution to the development of management sciences in terms of strategic management and more strictly resource approach to the company through structural definition of knowledge application of the concept of improvement oriented audit abandoning a narrow understanding of this technique in terms of compliance reliable presentation of audits available in the literature rigorous reasoning leading to the development of a meta model close linking of knowledge and resources with the strategy at the design stage of the developed audit model including the analysis of link dynamics and networks together with an extensive metrics proposal an interesting illustration of the application with the use of metrics tables and charts It will be of value to researchers academics managers and students in the fields of strategic management organizational studies social network analysis in management knowledge management and auditing knowledge resources in organizations *Digital Media Strategies of the Far Right in Europe and the United States* Patricia Anne Simpson, Helga Druxes, 2015-05-06 With the leverage of digital reproducibility historical messages of hate are finding new recipients with breathtaking speed and scope The rapid growth in popularity of right wing extremist groups in response to transnational economic crises underscores the importance of examining in detail the language and political mobilization strategies of the New Right In Europe for example populist right wing activists organized around an anti immigration agenda

are becoming more vocal providing pushback against the increase in migration flows from North Africa and Eastern Europe and countering support for integration with a categorical rejection of multiculturalism In the United States anti immigration sentiment provides a rallying point for political and personal agendas that connect the rhetoric of borders with national racial and security issues Digital Media Strategies of the Far Right in Europe and the United States is an effort to examine and understand these issues informed by the conviction that an interdisciplinary and transnational approach can allow productive comparison of far right propaganda strategies in Europe and the United States With a special emphasis on performing ideology in the far right music scene on violent anti immigrant stances and on the far right s skillful creation and manipulation of virtual communities the contributions foreground the cultural shibboleths that are exchanged among far right supporters on the Internet which serve to generate a sense of group belonging and the illusion of power far greater than the known numbers of neo Nazis in any one country might suggest Moreover with attention to transatlantic right wing movements and their use of particularly digital media the essays in this volume put pressure on the similarities among the various national agents while accommodating differences in the virtual and sometimes violent identities created and nurtured online

Embracing the Song of Appearance: An Mental Symphony within **Networks And Netwars**

In a global eaten by monitors and the ceaseless chatter of instant connection, the melodic elegance and mental symphony produced by the published term often fade into the backdrop, eclipsed by the constant sound and disturbances that permeate our lives. However, nestled within the pages of **Networks And Netwars** a charming fictional prize overflowing with fresh emotions, lies an immersive symphony waiting to be embraced. Constructed by a wonderful composer of language, that charming masterpiece conducts visitors on an emotional journey, well unraveling the hidden tunes and profound impact resonating within each carefully constructed phrase. Within the depths of this moving evaluation, we can explore the book is key harmonies, analyze their enthralling publishing style, and surrender ourselves to the profound resonance that echoes in the depths of readers souls.

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