Open Source Intelligence In The Twenty First Century New Approaches And Opportunities New Security Challenges

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Cyber Security in Intelligent Computing and Communications - Rajeev Agrawal 2022-03-11

This book looks at cyber security challenges with topical advancements in computational intelligence and communication technologies. This book includes invited peer-reviewed chapters on the emerging intelligent computing and communication technology research advancements, experimental outcomes, and cyber security practices, threats, and attacks with challenges. The book begins with a state-of-the-art survey and reviews of cyber security trends and issues. It further covers areas such as developments in intelligent computing and communication, smart healthcare, agriculture, transportation, online education, and many more real-life applications using IoT, big data, cloud computing, artificial intelligence, data science, and machine learning. This book is of interest to graduate/postgraduate students, researchers, and academicians. This book will be a valuable resource for practitioners and professionals working in smart city visualization through secure and intelligent application design, development, deployment to foster digital revolution, and reliable integration of advanced computing and communication technologies with global significance.

The Risk of Skilled Scientist Radicalization and Emerging Biological Warfare Threats - M. Martellini 2017-10-03

Skilled scientists are not immune to the appeal of terrorist groups, indeed recent studies indicate that engineers and medical doctors are over-represented within terrorist organizations. Also of particular concern with regard to the potential radicalization of scientists is the issue of the ‘lone wolf’; an individual who prepares and commits violence alone, outside of any command structure and without material assistance from any group. This book presents papers from the NATO Advanced Research

Workshop (ARW) entitled ‘The Risk of Skilled Scientist Radicalization and Emerging Biological Warfare Threats’, held in Como, Italy, from 29 November to 2 December 2016. The aim of this ARW was to assess the risks surrounding the ability of radical terrorist groups to recruit highly skilled scientists. The ARW was unique in that it brought together acknowledged experts from the social science community and the scientific technical community to discuss their perspectives on the risk of radicalization of chemical, biological, radiological and nuclear (CBRN) skilled scientists. Countering terrorist organizations requires a comprehensive approach characterized by international cooperation across the military, intelligence, policy-making and scientific communities. The book provides an overview of the situation, as well as recommendations for how such cooperation can be achieved, and will be of interest to all those involved in the counter-terrorism process

Defining Second Generation Open Source Intelligence (Osint) for the Defense Enterprise - Heather J. Williams 2018-05-17
This report describes the evolution of open source intelligence, defines open source information and the intelligence cycle, and parallels with other intelligence disciplines, along with methods used and challenges of using off-the-shelf technology.

Intelligence Cooperation Practices in the 21st Century - Musa Tuzuner 2010
Security cooperation, be it intranational, bilateral, or transnational, evolves around the basic idea of some kind of sharing. Information naturally grows when it is shared, not only as an accumulation of separate parts, but as an evolving, organic body of knowledge that in turn sparks further knowledge. Based on this premise, a group of leading practitioners and scholars in the field of intelligence were brought together to discuss the modern dynamics of intelligence

sharing. This edited volume presents a selection of their contributions and provides an original and practice-driven analysis of the challenges for current security and intelligence cooperation. Intelligence Cooperation Practices in the 21st Century: Towards a Culture of Sharing will be of interest to students, scholars and practitioners of international relations, intelligence, terrorism, security and policing. "Security scholarship has long suffered from a gap that exists between scholars and practitioners. This gap leads to unfortunate discrepancies, both at the conceptual and practical levels. Dr. Tuzuner's edited volume is one of the rare attempts to bridge this divide in a particularly sensitive area of security studies. The various contributions are full of original insights, which are sure to inspire invaluable further research and inquiry."- Ersel Aydinli, Bilkent University, Turkey

Justice and Home Affairs Agencies in the European Union - Christian Kaunert 2016-01-22

This book examines the role of agencies and agency-like bodies in the EU's Area of Freedom, Security and Justice (AFSJ).When the Maastricht Treaty entered into force on 1 November 1993, the institutional landscape of the so-called 'Third Pillar' looked significantly different than it does now. Aside from Europol, which existed only on paper at that time, the European agencies examined in this book were mere ideas in the heads of federalist dreamers or were not even contemplated. Eventually, Europol slowly emerged from its embryonic European Drugs Unit and became operational in 1999. Around the same time, the European Union (EU) unveiled plans in its Tampere Programme for a more extensive legal and institutional infrastructure for internal security policies. Since then, as evidenced by the chapters presented in this book, numerous policy developments have taken place. Indeed, the agencies now operating in the EU’s Area of Freedom, Security and Justice (AFSJ) are remarkable in the burgeoning scope of their activities, as well as their gradually increasing autonomy vis-à-vis the EU member states and the institutions that brought them to life. This book was published as a special issue of Perspectives on European Politics and Society.

Open Source Intelligence in a Networked World - Anthony Olcott 2012-03-22

The book explains how openly available information is undervalued by the intelligence community and how analysts can use of this huge amount of information.

Keeping U.S. Intelligence Effective - William J. Lahneman 2011-03-15

Keeping U.S. Intelligence Effective: The Need for a Revolution in Intelligence Affairs explores whether the U.S. intelligence enterprise will be able to remain effective in today's security environment. Based on the demands currently being placed upon the intelligence community, the analysis concludes that the effectiveness of U.S. intelligence will decline unless it embarks upon an aggressive, transformational course of action to reform various aspects of its operations. In keeping with the emerging literature on this subject, the book asserts that a so-called Revolution in Intelligence Affairs is needed.

Policing and Minority Communities - James F. Albrecht 2019-07-31

This insightful book examines the allegations against the professionalism, transparency, and integrity of law enforcement toward minority groups, from a global perspective. It addresses the challenges inherent in maintaining strong ties with members of the community, and draws attention to obstacles in ensuring public confidence and trust in rule of law institutions. Most importantly, the book provides insight into mechanisms and proposals for policy reform that would permit enhanced police-community partnership, collaboration and mutual respect. Acknowledging the consistency of this concern despite geographic location, ethnic diversity, and religious tolerance, this book considers controversial factors that have caused many groups and individuals to question their relationship with law enforcement. The book examines the context of police-community relations with contributed research from Nigeria, South Africa, Kosovo, Turkey, New Zealand, Mexico, Scandinavia and other North American and European viewpoints. It evaluates the roles that critical factors such as ethnicity, political instability, conflict, colonization, mental health, police practice, religion, critical criminology, socialism, and many other important aspects and concepts have played on perceptions of policing and rule of law. A valuable resource for law enforcement practitioners and researchers, policy makers, and students of criminal justice, Policing and Minority Communities: Contemporary Issues and Global Perspectives confronts crucial challenges and controversies in policing today with quantitative and qualitative research and practical policy recommendations.

Hacking Web Intelligence - Sudhanshu Chauhan 2015-04-13

Open source intelligence (OSINT) and web reconnaissance are rich topics for infosec professionals looking for the best ways to sift through the abundance of information widely available online. In many cases, the first stage of any security assessment—that is, reconnaissance—is not given enough attention by security professionals, hackers, and penetration testers. Often, the information openly present is as critical as the confidential data. Hacking Web Intelligence shows you how to dig into the Web and uncover the information many don't even know exists. The book takes a holistic approach that is not only about using tools to find information online but also how to link all the information and transform it into presentable and actionable intelligence. You will also learn how to secure your information online to prevent it being discovered by these reconnaissance methods. Hacking Web Intelligence is an in-depth technical reference covering the methods and techniques you need to unearth open source information from the Internet and utilize it for the purpose of targeted attack during a security assessment. This book will introduce you to many new and leading-edge reconnaissance, information gathering, and open source intelligence methods and techniques, including metadata extraction tools, advanced search engines, advanced browsers, power searching methods, online anonymity tools such as TOR and i2p, OSINT tools such as Maltego, Shodan, Creepy, SearchDiggity, Recon-ng, Social Network Analysis (SNA), Darkweb/Deepweb, data visualization, and much more. Provides a holistic approach to OSINT and Web recon, showing you how to fit all the data together into actionable intelligence Focuses on hands-on tools such as TOR, i2p, Maltego, Shodan, Creepy, SearchDiggity, Recon-ng, FOCA, EXIF, Metagoofil, MAT, and many more Covers key technical topics such as metadata searching, advanced browsers and power searching, online anonymity, Darkweb / Deepweb, Social Network Analysis (SNA), and how to manage, analyze, and visualize the data you gather Includes hands-on technical examples and case studies, as well as a Python chapter that shows you how to create your own information-gathering tools and modify existing APIs

Intelligence and Law Enforcement in the 21st Century - de Silva, Eugene 2021-06-25

Multidisciplinary research is steadily revolutionizing traditional education, scientific approaches, and activities related to security matters.

Therefore, the knowledge generated through multidisciplinary research into the field of application of scientific inquiry could be utilized to protect critical and vital assets of a country. The field of security requires focus on the assessment and resolution of complex systems. Consequently, the dynamics of the intelligence field leads to the necessity of raising awareness and placing priority on improved ideas using scientific inquiry. Intelligence and Law Enforcement in the 21st Century provides personnel directly working in the fields of intelligence and law enforcement with an opportunity to deeply delve into to the challenges, choices, and complications in finding, applying, and presenting the gathered intelligence through various methods and then presenting them through available policies and procedures in the arena of law and order. The book also addresses how law enforcement is critically assessed in the 21st century when implementing the rule of law and order. Covering topics such as counterterrorism, cybersecurity, biological and chemical weapons, and scientific inquiry, this is an essential text for law enforcement, intelligence specialists, analysts, cybersecurity professionals, government officials, students, teachers, professors, practitioners, and researchers in fields that include terrorism and national security.

ECSM 2017 4th European Conference on Social Media - Academic Conferences and Publishing Limited 2017-07-03

Fixing the Spy Machine - Arthur S. Hulnick 1999
SCOTT (copy 1): From the John Holmes Library collection.

ICCWS 2020 15th International Conference on Cyber Warfare and Security - Prof. Brian K. Payne 2020-03-12

Military Intelligence Professional Bulletin - 2005-10

More Stories from Langley - Edward Mickolus 2020-09-01 Who knew the CIA needed librarians? More Stories from Langley reveals the lesser-known operations of one of the most mysterious government agencies in the United States. Edward Mickolus is back with more stories to answer the question, “What does a career in the CIA look like?” Advice and anecdotes from both current and former CIA officers provide a look at the side of intelligence operations that is often left out of the movies. What was it like working for the CIA during 9/11? Do only spies get to travel? More Stories from Langley has physicists getting recruited to “the agency” during the Cold War, foreign-language majors getting lucky chances, and quests to “learn by living” turning into sweaty-palmed calls to the U.S. embassy after being detained by Russian intelligence officers. The world only needs so many suave super spies. More Stories from Langley shows how important academics, retired soldiers, and bilingual nannies can be in preserving the security of our nation.

Publications Combined: Studies In Open Source Intelligence (OSINT) And Information - 2019-03-23

Over 1,600 total pages ... CONTENTS: AN OPEN SOURCE APPROACH TO SOCIAL MEDIA DATA GATHERING Open Source Intelligence – Doctrine’s Neglected Child (Unclassified) Aggregation Techniques to Characterize Social Networks Open Source Intelligence (OSINT): Issues for Congress A BURNING NEED TO KNOW: THE USE OF OPEN SOURCE INTELLIGENCE IN THE FIRE SERVICE Balancing Social Media with Operations Security (OPSEC) in the 21st Century Sailing the Sea of OSINT in the Information Age Social Media: Valuable Tools in Today‘s Operational Environment ENHANCING A WEB CRAWLER WITH ARABIC SEARCH CAPABILITY UTILIZING SOCIAL MEDIA TO FURTHER THE NATIONWIDE SUSPICIOUS ACTIVITY

REPORTING INITIATIVE THE WHO, WHAT AND HOW OF SOCIAL MEDIA EXPLOITATION FOR A COMBATANT COMMANDER Open Source Cybersecurity for the 21st Century UNAUTHORIZED DISCLOSURE: CAN BEHAVIORAL INDICATORS HELP PREDICT WHO WILL COMMIT UNAUTHORIZED DISCLOSURE OF CLASSIFIED NATIONAL SECURITY INFORMATION? ATP 2-22.9 Open-Source Intelligence NTTP 3-13.3M OPERATIONS SECURITY (OPSEC) FM 2-22.3 HUMAN INTELLIGENCE COLLECTOR OPERATIONS

Open Source Intelligence in the Twenty-First Century - C. Hobbs 2014-05-09

This edited book provides an insight into the new approaches, challenges and opportunities that characterise open source intelligence (OSINT) at the beginning of the twenty-first century. It does so by considering the impacts of OSINT on three important contemporary security issues: nuclear proliferation, humanitarian crises and terrorism.

Handbook of Intelligence Studies - Loch K. Johnson 2007-01-24

This topical volume offers a comprehensive review of secret intelligence organizations and activities. Intelligence has been in the news consistently since 9/11 and the Iraqi WMD errors. Leading experts in the field approach the three major missions of intelligence: collection-and-analysis; covert action; and counterintelligence. Within each of these missions, the dynamically written essays dissect the so-called intelligence cycle to reveal the challenges of gathering and assessing information from around the world. Covert action, the most controversial intelligence activity, is explored, with special attention on the issue of military organizations moving into what was once primarily a civilian responsibility. The authors furthermore examine the problems that are associated with counterintelligence, protecting secrets from foreign spies and terrorist organizations, as well as the question of intelligence accountability, and how a nation can protect its citizens against the possible abuse of power by its own secret agencies. The Handbook of Intelligence Studies is a benchmark publication with major importance both for current research and for the future of the field. It is essential reading for advanced undergraduates, graduate students and scholars of intelligence studies, international security, strategic studies and political science in general.

No More Secrets: Open Source Information and the Reshaping of U.S. Intelligence - Hamilton Bean Ph.D. 2011-05-18

This in-depth analysis shows how the high stakes contest surrounding open source information is forcing significant reform within the U.S. intelligence community, the homeland security sector, and among citizen activists. • Critique and commentary from intelligence officials and analysts regarding open source reforms within the intelligence community and homeland security sector • Three interrelated case studies through which post-9/11 U.S. intelligence reform is analyzed and critiqued • Examples of collateral, including official and unofficial photos, from the 2007 and 2008 Open Source Conferences sponsored by the Director of National Intelligence • A timeline of key open source developments, including the establishment of associated commissions and changes in organizational structures, policies, and cultures • Appendices containing excerpts of key open source legislation and policy documents • A bibliography of open source-related scholarship and commentary

Open Source Intelligence in the Twenty-First Century - C. Hobbs 2014-01-01

This edited book provides an insight into the new approaches, challenges and opportunities that characterise open source intelligence

(OSINT) at the beginning of the twenty-first century. It does so by considering the impacts of OSINT on three important contemporary security issues: nuclear proliferation, humanitarian crises and terrorism.

Twenty-First Century Intelligence - Wesley K. Wark 2013-09-13

Twenty-First Century Intelligence collects the thinking of some of the foremost experts on the future of intelligence in our new century. The essays contained in this volume are set against the backdrop of the transforming events of the September 11 terrorist attacks. Intelligence plays a central and highly visible role in the global war on terror, and in new doctrines of global pre-emption of threats. Yet the challenges for intelligence services are great as the twenty-first century unfolds. This collection will inform and stimulate new thinking about the current strengths and weaknesses of intelligence services, and about the future paths that they may follow. Behind the controversies of the present over intelligence performance, lie critical questions about how the past and future of an often mysterious but critical arm of the state are linked. This book was previously published as a special issue of the journal Intelligence and National Security.

Critical Infrastructure Security and Resilience - Dimitris Gritzalis 2019-01-01

This book presents the latest trends in attacks and protection methods of Critical Infrastructures. It describes original research models and applied solutions for protecting major emerging threats in Critical Infrastructures and their underlying networks. It presents a number of emerging endeavors, from newly adopted technical expertise in industrial security to efficient modeling and implementation of attacks and relevant security measures in industrial control systems; including advancements in hardware and services security, interdependency networks, risk analysis, and control systems security along with their underlying protocols. Novel attacks against Critical Infrastructures (CI) demand novel security solutions. Simply adding more of what is done already (e.g. more thorough risk assessments, more expensive Intrusion Prevention/Detection Systems, more efficient firewalls, etc.) is simply not enough against threats and attacks that seem to have evolved beyond modern analyses and protection methods. The knowledge presented here will help Critical Infrastructure authorities, security officers, Industrial Control Systems (ICS) personnel and relevant researchers to (i) get acquainted with advancements in the field, (ii) integrate security research into their industrial or research work, (iii) evolve current practices in modeling and analyzing Critical Infrastructures, and (iv) moderate potential crises and emergencies influencing or emerging from Critical Infrastructures.

Open Source Intelligence Techniques - Michael Bazzell 2021

It is time to look at OSINT in a different way. For many years, and within the previous editions of this book, we have relied on external resources to supply our search tools, virtual environments, and investigation techniques. We have seen this protocol fail us when services shut down, websites disappear, and custom resources are dismantled due to outside pressures. This book aims to correct our dilemma. We will take control of our investigative resources and become self-reliant. There will be no more need for online search tools; we will make and host our own locally. We will no longer seek pre-built virtual machines; we will create and configure our own. This book puts the power back in your hands.

Open Source Intelligence Tools and Resources Handbook - i-intelligence 2019-08-17

2018 version of the OSINT Tools and Resources

Handbook. This version is almost three times the size of the last public release in 2016. It reflects the changing intelligence needs of our clients in both the public and private sector, as well as the many areas we have been active in over the past two years.

The Future of Intelligence - Isabelle Duyvesteyn 2014-04-11

This volume discusses the challenges the future holds for different aspects of the intelligence process and for organisations working in the field. The main focus of Western intelligence services is no longer on the intentions and capabilities of the Soviet Union and its allies. Instead, at present, there is a plethora of threats and problems that deserve attention. Some of these problems are short-term and potentially acute, such as terrorism. Others, such as the exhaustion of natural resources, are longer-term and by nature often more difficult to foresee in their implications. This book analyses the different activities that make up the intelligence process, or the 'intelligence cycle', with a focus on changes brought about by external developments in the international arena, such as technology and security threats. Drawing together a range of key thinkers in the field, The Future of Intelligence examines possible scenarios for future developments, including estimations about their plausibility, and the possible consequences for the functioning of intelligence and security services. This book will be of much interest to students of intelligence studies, strategic studies, foreign policy, security studies and IR in general.

Applied Risk Analysis for Guiding Homeland Security Policy and Decisions - Samrat Chatterjee 2021-01-29

Presents various challenges faced by security policy makers and risk analysts, and mathematical approaches that inform homeland security policy development and decision support Compiled by a group of highly qualified editors, this book provides a clear connection between risk science and homeland security policy making and includes top-notch contributions that uniquely highlight the role of risk analysis for informing homeland security policy decisions. Featuring discussions on various challenges faced in homeland security risk analysis, the book seamlessly divides the subject of risk analysis for homeland security into manageable chapters, which are organized by the concept of risk-informed decisions, methodology for applying risk analysis, and relevant examples and case studies. Applied Risk Analysis for Guiding Homeland Security Policy and Decisions offers an enlightening overview of risk analysis methods for homeland security. For instance, it presents readers with an exploration of radiological and nuclear risk assessment, along with analysis of uncertainties in radiological and nuclear pathways. It covers the advances in risk analysis for border security, as well as for cyber security. Other topics covered include: strengthening points of entry; systems modeling for rapid containment and casualty mitigation; and disaster preparedness and critical infrastructure resilience. Highlights how risk analysis helps in the decision-making process for homeland security policy Presents specific examples that detail how various risk analysis methods provide decision support for homeland security policy makers and risk analysts Describes numerous case studies from academic, government, and industrial perspectives that apply risk analysis methods for addressing challenges within the U.S. Department of Homeland Security (DHS) Offers detailed information regarding each of the five DHS missions: prevent terrorism and enhance security; secure and manage our borders; enforce and administer our immigration laws; safeguard and secure cyberspace; and strengthen national preparedness and resilience Discusses the various approaches and challenges faced in homeland risk analysis and identifies improvements and methodological advances that influenced DHS to adopt an increasingly risk-informed basis for decision-making Written by top educators and professionals who clearly illustrate the link between risk science and homeland security policy making Applied Risk Analysis for Guiding Homeland Security Policy and Decisions is an excellent textbook and/or supplement for upper-undergraduate and graduate-level courses related to homeland security risk analysis. It will also be an extremely beneficial resource and reference for homeland security policy analysts, risk analysts, and policymakers from private and public sectors, as well as researchers, academics, and practitioners who utilize security risk analysis methods.

Using Open Data to Detect Organized Crime Threats - Henrik Legind Larsen 2017-04-07

This work provides an innovative look at the use of open data for extracting information to detect and prevent crime, and also explores the link between terrorism and organized crime. In counter-terrorism and other forms of crime prevention, foresight about potential threats is vitally important and this information is increasingly available via electronic data sources such as social media communications. However, the amount and quality of these sources is varied, and researchers and law enforcement need guidance about when and how to extract useful information from them. The emergence of these crime threats, such as communication between organized crime networks and radicalization towards terrorism, is driven by a combination of political, economic, social, technological, legal and environmental factors. The contributions to this volume represent a major step by researchers to systematically collect, filter, interpret, and use the information available. For the purposes of this book, the only data sources used are publicly available sources which can be accessed legally and ethically. This work will be of interest to researchers in criminology and criminal justice, particularly in police science, organized crime, counter-terrorism and crime science. It will also be of interest to those in related fields such as applications of computer science and data mining, public policy, and business intelligence.

Intelligence - Mark M. Lowenthal 2019-10-15

Winner of the 2020 McGuffey Longevity Award from the Textbook & Academic Authors Association (TAA) "[The text is] one of the most useful, one-volume, introductory works on intelligence today. [Intelligence] does an excellent job of working through the intricacies of U.S. intelligence." —Richard J. Norton, United States Naval War College Mark M. Lowenthal's trusted guide is the go-to resource for understanding how the intelligence community's history, structure, procedures, and functions affect policy decisions. In the fully updated Eighth Edition of Intelligence, the author addresses cyber security and cyber intelligence throughout, expands the coverage of collection, comprehensively updates the chapters on nation-state issues and transnational issues, and looks at foreign intelligence services, both large and small.

Techno Security's Guide to Managing Risks for IT Managers, Auditors, and Investigators - Johnny Long 2011-04-18

“This book contains some of the most up-to-date information available anywhere on a wide variety of topics related to Techno Security. As you read the book, you will notice that the authors took the approach of identifying some of the risks, threats, and vulnerabilities and then discussing the countermeasures to address them. Some of the topics and thoughts discussed here are as new as tomorrow's headlines, whereas others have been around for decades without being properly addressed. I hope you enjoy this book as much as we have enjoyed working with the various authors and friends during its development. —Donald Withers, CEO and Cofounder of TheTrainingCo. • Jack Wiles, on Social Engineering offers up a potpourri of tips, tricks, vulnerabilities, and lessons learned from 30-plus years of experience in the worlds of both physical and technical security. • Russ Rogers on the Basics of Penetration Testing illustrates the standard methodology for penetration testing: information gathering, network enumeration, vulnerability identification, vulnerability exploitation, privilege escalation, expansion of reach, future access, and information compromise. • Johnny Long on No Tech Hacking shows how to hack without touching a computer using tailgating, lock bumping, shoulder surfing, and dumpster diving. • Phil Drake on Personal, Workforce, and Family Preparedness covers the basics of creating a plan for you and your family, identifying and obtaining the supplies you will need in an emergency. • Kevin O'Shea on Seizure of Digital Information discusses collecting hardware and information from the scene. • Amber Schroader on Cell Phone Forensics writes on new methods and guidelines for digital forensics. • Dennis O'Brien on RFID: An Introduction, Security Issues, and Concerns discusses how this well-intended technology has been eroded and used for fringe implementations. • Ron Green on Open Source Intelligence details how a good Open Source Intelligence program can help you create leverage in negotiations, enable smart decisions regarding the selection of goods and services, and help avoid pitfalls and hazards. • Raymond Blackwood on Wireless Awareness: Increasing the Sophistication of Wireless Users maintains it is the technologist's responsibility to educate, communicate, and support users despite their lack of interest in understanding how it works. • Greg Kipper on What is Steganography? provides a solid understanding of the basics of steganography, what it can and can't do, and arms you with the information you need to set your career path. • Eric Cole on Insider Threat discusses why the insider threat is worse than the external threat and the effects of insider threats on a company. Internationally known experts in information security share their wisdom Free pass to Techno Security Conference for everyone who purchases a book—$1,200 value

Counterterrorism and Open Source Intelligence - Uffe Wiil 2011-06-27

Since the 9/11 terrorist attacks in the United States, serious concerns were raised on domestic and international security issues. Consequently, there has been considerable interest recently in technological strategies and resources to counter acts of terrorism. In this context, this book provides a state-of-the-art survey of the most recent advances in the field of counterterrorism and open source intelligence, demonstrating how various existing as well as novel tools and techniques can be applied in combating covert terrorist networks. A particular focus will be on future challenges of open source intelligence and perspectives on how to effectively operate in order to prevent terrorist activities.

Asymmetry and U.S. Military Strategy: Definition, Background, and Strategic Concepts -

Open Source Intelligence in the Twenty-First Century - Christopher Hobbs 2014-05-09

This edited volume takes a fresh look at the subject of open source intelligence (OSINT), exploring both the opportunities and the challenges that this emergent area offers at the beginning of the twenty-first century. In particular, it explores the new methodologies and approaches that technological advances have engendered, while at the same time considering the risks associated with the pervasive nature of the Internet. Drawing on a diverse range of experience and expertise, the book begins with a number of chapters devoted to exploring the uses and value of OSINT in a general sense, identifying patterns, trends and key areas of debate. The focus of the book then turns to the role and influence of OSINT in three key areas of international security – nuclear proliferation; humanitarian crises; and terrorism. The book offers a timely discussion on the merits and failings of OSINT and provides readers with an insight into the latest and most original research being conducted in this area.

Intelligence Oversight in the Twenty-First Century - Ian Leigh 2018-08-15

This book examines how key developments in international relations in recent years have affected intelligence agencies and their oversight. Since the turn of the millennium, intelligence agencies have been operating in a tense and rapidly changing security environment. This book addresses the impact of three factors on intelligence oversight: the growth of more complex terror threats, such as those caused by the rise of Islamic State; the colder East-West climate following Russia's intervention in Ukraine and annexation of Crimea; and new challenges relating to the large-scale intelligence collection and intrusive surveillance practices revealed by Edward Snowden. This volume evaluates the impact these factors have had on security and intelligence services in a range of countries, together with the challenges that they present for intelligence oversight bodies to adapt in response. With chapters surveying developments in Norway, Romania, the UK, Belgium, France, the USA, Canada and Germany, the coverage is varied, wide and up-to-date. This book will be of much interest to students of intelligence studies, security studies and International Relations.

Open Source Intelligence Techniques - Michael Bazzell 2018-01-26

Completely Rewritten Sixth Edition Sheds New Light on Open Source Intelligence Collection and Analysis Author Michael Bazzell has been well known in government circles for his ability to locate personal information about any target through Open Source Intelligence (OSINT). In this book, he shares his methods in great detail. Each step of his process is explained throughout twenty-five chapters of specialized websites, software solutions, and creative search techniques. Over 250 resources are identified with narrative tutorials and screen captures. This book will serve as a reference guide for anyone that is responsible for the collection of online content. It is written in a hands-on style that encourages the reader to execute the tutorials as they go. The search techniques offered will inspire analysts to "think outside the box" when scouring the internet for personal information. Much of the content of this book has never been discussed in any publication. Always thinking like a hacker, the author has identified new ways to use various technologies for an unintended purpose. This book will greatly improve anyone's online investigative skills. Among other techniques, you will learn how to locate: Hidden Social Network Content Cell Phone Subscriber Information Deleted Websites & Posts Missing Facebook Profile Data Full Twitter Account Data Alias Social Network Profiles Free Investigative Software Useful Browser Extensions Alternative Search Engine Results Website Owner Information Photo GPS & Metadata Live Streaming Social Content Social Content by Location IP Addresses of Users Additional User Accounts Sensitive Documents & Photos Private Email Addresses Duplicate Video Posts Mobile App Network Data Unlisted Addresses &#s Public

Government Records Document Metadata Rental Vehicle Contracts Online Criminal Activity Personal Radio Communications Compromised Email Information Automated Collection Solutions Linux Investigative Programs Dark Web Content (Tor) Restricted YouTube Content Hidden Website Details Vehicle Registration Details

Secret Intelligence - Christopher Andrew 2019-07-26

The second edition of Secret Intelligence: A Reader brings together key essays from the field of intelligence studies, blending classic works on concepts and approaches with more recent essays dealing with current issues and ongoing debates about the future of intelligence. Secret intelligence has never enjoyed a higher profile. The events of 9/11, the conflicts in Iraq and Afghanistan, the missing WMD controversy, public debates over prisoner interrogation, together with the revelations of figures such as Edward Snowden, recent cyber attacks and the rise of 'hybrid warfare' have all contributed to make this a ‘hot’ subject over the past two decades. Aiming to be more comprehensive than existing books, and to achieve truly international coverage of the field, this book provides key readings and supporting material for students and course convenors. It is divided into four main sections, each of which includes full summaries of each article, further reading suggestions and student questions: • The intelligence cycle • Intelligence, counter-terrorism and security • Ethics, accountability and secrecy • Intelligence and the new warfare This new edition contains essays by leading scholars in the field and will be essential reading for students of intelligence studies, strategic studies, international security and political science in general, and of interest to anyone wishing to understand the current relationship between intelligence and policy-making.

Open Source Intelligence

Methods and Tools - Nihad A. Hassan 2018-06-30
Apply Open Source Intelligence (OSINT) techniques, methods, and tools to acquire information from publicly available online sources to support your intelligence analysis. Use the harvested data in different scenarios such as financial, crime, and terrorism investigations as well as performing business competition analysis and acquiring intelligence about individuals and other entities. This book will also improve your skills to acquire information online from both the regular Internet as well as the hidden web through its two sub-layers: the deep web and the dark web. The author includes many OSINT resources that can be used by intelligence agencies as well as by enterprises to monitor trends on a global level, identify risks, and gather competitor intelligence so more effective decisions can be made. You will discover techniques, methods, and tools that are equally used by hackers and penetration testers to gather intelligence about a specific target online. And you will be aware of how OSINT resources can be used in conducting social engineering attacks. Open Source Intelligence Methods and Tools takes a practical approach and lists hundreds of OSINT resources that can be used to gather intelligence from online public sources. The book also covers how to anonymize your digital identity online so you can conduct your searching activities without revealing your identity. What You'll Learn Identify intelligence needs and leverage a broad range of tools and sources to improve data collection, analysis, and decision making in your organization Use OSINT resources to protect individuals and enterprises by discovering data that is online, exposed, and sensitive and hide the data before it is revealed by outside attackers Gather corporate intelligence about business competitors and predict future market directions Conduct

advanced searches to gather intelligence from social media sites such as Facebook and Twitter Understand the different layers that make up the Internet and how to search within the invisible web which contains both the deep and the dark webs Who This Book Is For Penetration testers, digital forensics investigators, intelligence services, military, law enforcement, UN agencies, and for-profit/non-profit enterprises

Open Source Intelligence Investigation - Babak Akhgar 2017-01-01

One of the most important aspects for a successful police operation is the ability for the police to obtain timely, reliable and actionable intelligence related to the investigation or incident at hand. Open Source Intelligence (OSINT) provides an invaluable avenue to access and collect such information in addition to traditional investigative techniques and information sources. This book offers an authoritative and accessible guide on how to conduct Open Source Intelligence investigations from data collection to analysis to the design and vetting of OSINT tools. In its pages the reader will find a comprehensive view into the newest methods for OSINT analytics and visualizations in combination with real-life case studies to showcase the application as well as the challenges of OSINT investigations across domains. Examples of OSINT range from information posted on social media as one of the most openly available means of accessing and gathering Open Source Intelligence to location data, OSINT obtained from the darkweb to combinations of OSINT with real-time analytical capabilities and closed sources. In addition it provides guidance on legal and ethical considerations making it relevant reading for practitioners as well as academics and students with a view to obtain thorough, first-hand knowledge from serving experts in the field.

ICT Systems and Sustainability - Milan Tuba

2022-01-04

This book proposes new technologies and discusses future solutions for ICT design infrastructures, as reflected in high-quality papers presented at the 6th International Conference on ICT for Sustainable Development (ICT4SD 2021), held in Goa, India, on 5–6 August 2021. The book covers the topics such as big data and data mining, data fusion, IoT programming toolkits and frameworks, green communication systems and network, use of ICT in smart cities, sensor networks and embedded system, network and information security, wireless and optical networks, security, trust, and privacy, routing and control protocols, cognitive radio and networks, and natural language processing. Bringing together experts from different countries, the book explores a range of central issues from an international perspective.

Transforming US Intelligence for Irregular War - Richard H. Shultz Jr. 2020-04-01

When Joint Special Operations Command deployed Task Force 714 to Iraq in 2003, it faced an adversary unlike any it had previously encountered: al-Qaeda in Iraq (AQI). AQI's organization into multiple, independent networks and its application of Information Age technologies allowed it to wage war across a vast landscape. To meet this unique threat, TF 714 developed the intelligence capacity to operate inside those networks, and in the words of commander Gen. Stanley McChrystal, USA (Ret.) "claw the guts out of AQI." In Transforming US Intelligence for Irregular War, Richard H. Shultz Jr. provides a broad discussion of the role of intelligence in combatting nonstate militants and revisits this moment of innovation during the Iraq War, showing how the defense and intelligence communities can adapt to new and evolving foes. Shultz tells the story of how TF 714 partnered with US intelligence agencies to dismantle AQI's secret networks by eliminating many of its key leaders. He also reveals how TF 714 altered its methods and practices of intelligence collection, intelligence analysis, and covert paramilitary operations to suppress AQI's growing insurgency and, ultimately, destroy its networked infrastructure. TF 714 remains an exemplar of successful organizational learning and adaptation in the midst of modern warfare. By examining its innovations, Shultz makes a compelling case for intelligence leading the way in future campaigns against nonstate armed groups.

Automating Open Source Intelligence - Robert Layton 2015-12-03

Algorithms for Automating Open Source Intelligence (OSINT) presents information on the gathering of information and extraction of actionable intelligence from openly available sources, including news broadcasts, public repositories, and more recently, social media. As OSINT has applications in crime fighting, state-based intelligence, and social research, this book provides recent advances in text mining, web crawling, and other algorithms that have led to advances in methods that can largely automate this process. The book is beneficial to both practitioners and academic researchers, with discussions of the latest advances in applications, a coherent set of methods and processes for automating OSINT, and interdisciplinary perspectives on the key problems identified within each discipline. Drawing upon years of practical experience and using numerous examples, editors Robert Layton, Paul Watters, and a distinguished list of contributors discuss Evidence Accumulation Strategies for OSINT, Named Entity Resolution in Social Media, Analyzing Social Media Campaigns for Group Size Estimation, Surveys and qualitative techniques in OSINT, and Geospatial reasoning of open data. Presents a coherent set of methods and processes for automating OSINT Focuses on algorithms and applications allowing the practitioner to get up and running quickly Includes fully developed case studies on the digital underground and predicting crime through OSINT Discusses the ethical considerations when using publicly available online data