



Application of Big Data for National Security: A Practitioner's Guide to Emerging Technologies

By Babak Akhgar, Gregory B. Saathoff, Hamid R Arabnia, Richard Hill,
Andrew Staniforth, Petra Saskia Bayerl

[Download now](#)
[Read Online](#) 

Application of Big Data for National Security: A Practitioner's Guide to Emerging Technologies By Babak Akhgar, Gregory B. Saathoff, Hamid R Arabnia, Richard Hill, Andrew Staniforth, Petra Saskia Bayerl

Application of Big Data for National Security provides users with state-of-the-art concepts, methods, and technologies for Big Data analytics in the fight against terrorism and crime, including a wide range of case studies and application scenarios. This book combines expertise from an international team of experts in law enforcement, national security, and law, as well as computer sciences, criminology, linguistics, and psychology, creating a unique cross-disciplinary collection of knowledge and insights into this increasingly global issue.

The strategic frameworks and critical factors presented in *Application of Big Data for National Security* consider technical, legal, ethical, and societal impacts, but also practical considerations of Big Data system design and deployment, illustrating how data and security concerns intersect. In identifying current and future technical and operational challenges it supports law enforcement and government agencies in their operational, tactical and strategic decisions when employing Big Data for national security

- Contextualizes the Big Data concept and how it relates to national security and crime detection and prevention
- Presents strategic approaches for the design, adoption, and deployment of Big Data technologies in preventing terrorism and reducing crime
- Includes a series of case studies and scenarios to demonstrate the application of Big Data in a national security context
- Indicates future directions for Big Data as an enabler of advanced crime prevention and detection

 [Download Application of Big Data for National Security: A P ...pdf](#)

 [Read Online Application of Big Data for National Security: A ...pdf](#)

Application of Big Data for National Security: A Practitioner's Guide to Emerging Technologies

By Babak Akhgar, Gregory B. Saathoff, Hamid R Arabnia, Richard Hill, Andrew Staniforth, Petra Saskia Bayerl

Application of Big Data for National Security: A Practitioner's Guide to Emerging Technologies By Babak Akhgar, Gregory B. Saathoff, Hamid R Arabnia, Richard Hill, Andrew Staniforth, Petra Saskia Bayerl

Application of Big Data for National Security provides users with state-of-the-art concepts, methods, and technologies for Big Data analytics in the fight against terrorism and crime, including a wide range of case studies and application scenarios. This book combines expertise from an international team of experts in law enforcement, national security, and law, as well as computer sciences, criminology, linguistics, and psychology, creating a unique cross-disciplinary collection of knowledge and insights into this increasingly global issue.

The strategic frameworks and critical factors presented in *Application of Big Data for National Security* consider technical, legal, ethical, and societal impacts, but also practical considerations of Big Data system design and deployment, illustrating how data and security concerns intersect. In identifying current and future technical and operational challenges it supports law enforcement and government agencies in their operational, tactical and strategic decisions when employing Big Data for national security

- Contextualizes the Big Data concept and how it relates to national security and crime detection and prevention
- Presents strategic approaches for the design, adoption, and deployment of Big Data technologies in preventing terrorism and reducing crime
- Includes a series of case studies and scenarios to demonstrate the application of Big Data in a national security context
- Indicates future directions for Big Data as an enabler of advanced crime prevention and detection

Application of Big Data for National Security: A Practitioner's Guide to Emerging Technologies By Babak Akhgar, Gregory B. Saathoff, Hamid R Arabnia, Richard Hill, Andrew Staniforth, Petra Saskia Bayerl Bibliography

- Sales Rank: #1801153 in Books
- Published on: 2015-03-03
- Released on: 2015-02-17
- Original language: English
- Dimensions: 9.25" h x .72" w x 7.50" l, 1.46 pounds
- Binding: Paperback
- 316 pages

 [Download Application of Big Data for National Security: A P ...pdf](#)

 [Read Online Application of Big Data for National Security: A ...pdf](#)

Download and Read Free Online Application of Big Data for National Security: A Practitioner's Guide to Emerging Technologies By Babak Akhgar, Gregory B. Saathoff, Hamid R Arabnia, Richard Hill, Andrew Staniforth, Petra Saskia Bayerl

Editorial Review

Review

"Law enforcement and intelligence practitioners will especially be interested in the case studies on how big data and high performance analytics have been used to uncover terrorist plots..." --**Journal of Counterterrorism and Homeland Security International**

About the Author

Babak Akhgar is Professor of Informatics and Director of CENTRIC (Center of Excellence in Terrorism, Resilience, Intelligence and Organized Crime Research) at Sheffield Hallam University (UK) and Fellow of the British Computer Society. He has more than 100 refereed publications in international journals and conferences on information systems with specific focus on knowledge management (KM). He is member of editorial boards of several international journals and has acted as Chair and Program Committee Member for numerous international conferences. He has extensive and hands-on experience in the development, management and execution of KM projects and large international security initiatives (e.g., the application of social media in crisis management, intelligence-based combating of terrorism and organized crime, gun crime, cyber-crime and cyber terrorism and cross cultural ideology polarization). In addition to this he is the technical lead of two EU Security projects: "Courage" on Cyber-Crime and Cyber-Terrorism and "Athena" on the Application of Social Media and Mobile Devices in Crisis Management. He has co-edited several books on Intelligence Management.. His recent books are titled "Strategic Intelligence Management (National Security Imperatives and Information and Communications Technologies)", "Knowledge Driven Frameworks for Combating Terrorism and Organised Crime" and "Emerging Trends in ICT Security". Prof Akhgar is member of the academic advisory board of SAS UK.

Hamid R. Arabnia is currently a Full Professor of Computer Science at University of Georgia where he has been since October 1987. His research interests include Parallel and distributed processing techniques and algorithms, interconnection networks, and applications in Computational Science and Computational Intelligence (in particular, in image processing, medical imaging, bioinformatics, and other computational intensive problems). Dr. Arabnia is Editor-in-Chief of The Journal of is Associate Editor of IEEE Transactions on Information Technology in Biomedicine . He has over 300 publications (journals, proceedings, editorship) in his area of research in addition he has edited two titles Emerging Trends in ICT Security (Elsevier 2013), and Advances in Computational Biology (Springer 2012).

Andrew Staniforth, Detective Inspector and Advisory Board Member and Senior Research Fellow, Centre of Excellence in Terrorism, Resilience, Intelligence and Organised Crime Research (CENTRIC).

Users Review

From reader reviews:

Christina Moss:

In this 21st one hundred year, people become competitive in most way. By being competitive today, people have do something to make these survives, being in the middle of the particular crowded place and notice by means of surrounding. One thing that often many people have underestimated this for a while is reading.

Yep, by reading a book your ability to survive enhance then having chance to endure than other is high. For yourself who want to start reading the book, we give you this particular Application of Big Data for National Security: A Practitioner's Guide to Emerging Technologies book as nice and daily reading reserve. Why, because this book is greater than just a book.

Gerardo Whittaker:

Reading a book to become new life style in this year; every people loves to learn a book. When you learn a book you can get a lots of benefit. When you read guides, you can improve your knowledge, mainly because book has a lot of information upon it. The information that you will get depend on what forms of book that you have read. If you want to get information about your research, you can read education books, but if you want to entertain yourself you are able to a fiction books, this kind of us novel, comics, and also soon. The Application of Big Data for National Security: A Practitioner's Guide to Emerging Technologies will give you new experience in reading through a book.

Scott Smith:

This Application of Big Data for National Security: A Practitioner's Guide to Emerging Technologies is new way for you who has attention to look for some information because it relief your hunger of information. Getting deeper you upon it getting knowledge more you know or else you who still having tiny amount of digest in reading this Application of Big Data for National Security: A Practitioner's Guide to Emerging Technologies can be the light food in your case because the information inside that book is easy to get through anyone. These books create itself in the form which can be reachable by anyone, yeah I mean in the e-book web form. People who think that in reserve form make them feel drowsy even dizzy this e-book is the answer. So there is no in reading a guide especially this one. You can find what you are looking for. It should be here for you. So , don't miss the idea! Just read this e-book sort for your better life and knowledge.

Lois Wiggins:

Guide is one of source of knowledge. We can add our knowledge from it. Not only for students but in addition native or citizen require book to know the upgrade information of year to help year. As we know those publications have many advantages. Beside all of us add our knowledge, can bring us to around the world. With the book Application of Big Data for National Security: A Practitioner's Guide to Emerging Technologies we can get more advantage. Don't you to definitely be creative people? To be creative person must like to read a book. Just simply choose the best book that appropriate with your aim. Don't possibly be doubt to change your life at this book Application of Big Data for National Security: A Practitioner's Guide to Emerging Technologies. You can more desirable than now.

Download and Read Online Application of Big Data for National Security: A Practitioner's Guide to Emerging Technologies By

Babak Akhgar, Gregory B. Saathoff, Hamid R Arabnia, Richard Hill, Andrew Staniforth, Petra Saskia Bayerl #24MXN801SJT

Read Application of Big Data for National Security: A Practitioner's Guide to Emerging Technologies By Babak Akhgar, Gregory B. Saathoff, Hamid R Arabnia, Richard Hill, Andrew Staniforth, Petra Saskia Bayerl for online ebook

Application of Big Data for National Security: A Practitioner's Guide to Emerging Technologies By Babak Akhgar, Gregory B. Saathoff, Hamid R Arabnia, Richard Hill, Andrew Staniforth, Petra Saskia Bayerl Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Application of Big Data for National Security: A Practitioner's Guide to Emerging Technologies By Babak Akhgar, Gregory B. Saathoff, Hamid R Arabnia, Richard Hill, Andrew Staniforth, Petra Saskia Bayerl books to read online.

Online Application of Big Data for National Security: A Practitioner's Guide to Emerging Technologies By Babak Akhgar, Gregory B. Saathoff, Hamid R Arabnia, Richard Hill, Andrew Staniforth, Petra Saskia Bayerl ebook PDF download

Application of Big Data for National Security: A Practitioner's Guide to Emerging Technologies By Babak Akhgar, Gregory B. Saathoff, Hamid R Arabnia, Richard Hill, Andrew Staniforth, Petra Saskia Bayerl Doc

Application of Big Data for National Security: A Practitioner's Guide to Emerging Technologies By Babak Akhgar, Gregory B. Saathoff, Hamid R Arabnia, Richard Hill, Andrew Staniforth, Petra Saskia Bayerl Mobipocket

Application of Big Data for National Security: A Practitioner's Guide to Emerging Technologies By Babak Akhgar, Gregory B. Saathoff, Hamid R Arabnia, Richard Hill, Andrew Staniforth, Petra Saskia Bayerl EPub

24MXN801SZT: Application of Big Data for National Security: A Practitioner's Guide to Emerging Technologies By Babak Akhgar, Gregory B. Saathoff, Hamid R Arabnia, Richard Hill, Andrew Staniforth, Petra Saskia Bayerl