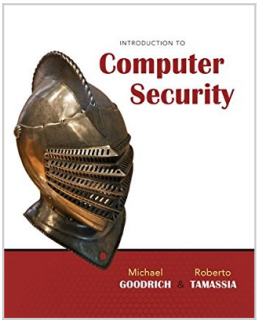

Introduction to Computer Security

By Michael Goodrich, Roberto Tamassia

Introduction to Computer Security By Michael Goodrich, Roberto Tamassia

Introduction to Computer Security is a new Computer Security textbook for a new generation of IT professionals. It is ideal for computer-security courses that are taught at the undergraduate level and that have as their sole prerequisites an introductory computer science sequence (e.g., CS 1/CS 2).

Unlike most other computer security textbooks available today, *Introduction to Computer Security*, *1e* does NOT focus on the mathematical and computational foundations of security, and it does not assume an extensive background in computer science. Instead it looks at the systems, technology, management, and policy side of security, and offers students fundamental security concepts and a working knowledge of threats and countermeasures with “just-enough” background in computer science. The result is a presentation of the material that is accessible to students of all levels.

Introduction to Computer Security

By Michael Goodrich, Roberto Tamassia

Introduction to Computer Security By Michael Goodrich, Roberto Tamassia

Introduction to Computer Security is a new Computer Security textbook for a new generation of IT professionals. It is ideal for computer-security courses that are taught at the undergraduate level and that have as their sole prerequisites an introductory computer science sequence (e.g., CS 1/CS 2).

Unlike most other computer security textbooks available today, *Introduction to Computer Security, 1e* does NOT focus on the mathematical and computational foundations of security, and it does not assume an extensive background in computer science. Instead it looks at the systems, technology, management, and policy side of security, and offers students fundamental security concepts and a working knowledge of threats and countermeasures with “just-enough” background in computer science. The result is a presentation of the material that is accessible to students of all levels.

Introduction to Computer Security By Michael Goodrich, Roberto Tamassia Bibliography

- Sales Rank: #206068 in Books
- Published on: 2010-10-25
- Ingredients: Example Ingredients
- Original language: English
- Number of items: 1
- Dimensions: 10.10" h x 1.10" w x 8.20" l, 2.90 pounds
- Binding: Hardcover
- 576 pages

Editorial Review

From the Back Cover

A new Computer Security textbook for a new generation of IT professionals.
Unlike most other computer security books available today,*Introduction to Computer Security, 1e does NOT focus on the*mathematical and computational foundations of security, and it does not assume an extensive background in computer science. Instead it looks atthe systems, technology, management, and policy side of security, and offers readers fundamental security concepts and a working knowledge of threats and countermeasures with “just-enough background in computer science. The result is a presentation of the material that is accessible to readers of all levels.

Readers of this book will learn about common cyberattacks, including viruses, worms, Trojan horses, password crackers, keystroke loggers, denial of service, spoofing, and phishing. They will also learn about techniques for identifying and patching vulnerabilities in machines and networks as well methods for detecting and repairing infected systems. Finally, they will study fundamental building blocks of secure systems such as encryption, fingerprints, digital signatures and basic cryptographic protocols.

Anyone interested in a very accessible introduction to computer security.

About the Author

Professors Goodrich and Tamassia are well-recognized researchers in computer security, algorithms and data structures, having published many papers on these subjects, with applications to computer security, cryptography, cloud computing, information visualization, and geometric computing. They have served as principal investigators in several joint projects sponsored by the National Science Foundation, the Army Research Office, and the Defense Advanced Research Projects Agency. They are also active in educational technology research, and they have published several books, including a widely adopted textbook on data structures and algorithms.

Michael Goodrich received his Ph.D. in computer science from Purdue University. He is currently a Chancellor’s Professor in the Department of Computer Science at University of California, Irvine. Previously, he was a professor at Johns Hopkins University. He is an editor for the *Journal of Computer and Systems Sciences* and the *Journal of Graph Algorithms and Applications*. He is a Fulbright Scholar, a Distinguished Scientist of the Association for Computing Machinery (ACM), and a Fellow of the American Association for the Advancement of Science (AAAS), the ACM, and the Institute of Electrical and Electronics Engineers (IEEE).

Roberto Tamassia received his Ph.D. in electrical and computer engineering from the University of Illinois at Urbana-Champaign. He is currently the Plastech Professor of Computer Science and the chair of the Department of Computer Science at Brown University. He is a founder and editor-in-chief for the *Journal of Graph Algorithms and Applications*. He previously served on the editorial board of *Computational Geometry: Theory and Applications* and *IEEE Transactions on Computers*. He is a Fellow of the Institute of Electrical and Electronics Engineers (IEEE).

In addition to their research accomplishments, the authors also have extensive experience in the classroom.

For example, Goodrich has taught data structures and algorithms courses, including Data Structures as a freshman-sophomore level course, Applied Cryptography as a sophomore- junior level course, and Internet Algorithmics as an upper level course. He has earned several teaching awards in this capacity. Tamassia has taught Data Structures and Algorithms as an introductory freshman-level course and Computational Geometry as an advanced graduate course. Over the last several years he has developed "Introduction to Computer Systems Security," a new computer security course aimed at sophomores. His teaching of this course since 2006 has helped to shape the vision and topics of this book. One thing that has set his teaching style apart is his effective use of interactive hypermedia presentations integrated with the web.

Users Review

From reader reviews:

Warren Matt:

The actual book Introduction to Computer Security will bring one to the new experience of reading a book. The author style to spell out the idea is very unique. If you try to find new book to learn, this book very suitable to you. The book Introduction to Computer Security is much recommended to you to read. You can also get the e-book through the official web site, so you can more easily to read the book.

Ashley Parra:

Why? Because this Introduction to Computer Security is an unordinary book that the inside of the reserve waiting for you to snap that but latter it will surprise you with the secret the idea inside. Reading this book close to it was fantastic author who write the book in such wonderful way makes the content inside easier to understand, entertaining method but still convey the meaning entirely. So , it is good for you because of not hesitating having this ever again or you going to regret it. This amazing book will give you a lot of positive aspects than the other book get such as help improving your ability and your critical thinking technique. So , still want to hesitate having that book? If I had been you I will go to the guide store hurriedly.

Brian Pena:

Introduction to Computer Security can be one of your basic books that are good idea. Most of us recommend that straight away because this publication has good vocabulary that can increase your knowledge in words, easy to understand, bit entertaining but nonetheless delivering the information. The article author giving his/her effort that will put every word into pleasure arrangement in writing Introduction to Computer Security however doesn't forget the main stage, giving the reader the hottest and based confirm resource data that maybe you can be one of it. This great information can easily drawn you into fresh stage of crucial pondering.

Corey Johnson:

A lot of book has printed but it takes a different approach. You can get it by internet on social media. You can choose the best book for you, science, comic, novel, or whatever by simply searching from it. It is called of book Introduction to Computer Security. You'll be able to your knowledge by it. Without making the

printed book, it could add your knowledge and make you actually happier to read. It is most essential that, you must aware about publication. It can bring you from one destination to other place.

Read Introduction to Computer Security By Michael Goodrich, Roberto Tamassia for online ebook

Introduction to Computer Security By Michael Goodrich, Roberto Tamassia 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 Introduction to Computer Security By Michael Goodrich, Roberto Tamassia books to read online.

Online Introduction to Computer Security By Michael Goodrich, Roberto Tamassia ebook PDF download

Introduction to Computer Security By Michael Goodrich, Roberto Tamassia Doc

Introduction to Computer Security By Michael Goodrich, Roberto Tamassia Mobipocket

Introduction to Computer Security By Michael Goodrich, Roberto Tamassia EPub