



Introduction to Hardware Security and Trust

From Brand: Springer



Introduction to Hardware Security and Trust From Brand: Springer

This book provides the foundations for understanding hardware security and trust, which have become major concerns for national security over the past decade. Coverage includes security and trust issues in all types of electronic devices and systems such as ASICs, COTS, FPGAs, microprocessors/DSPs, and embedded systems. This serves as an invaluable reference to the state-of-the-art research that is of critical significance to the security of, and trust in, modern society's microelectronic-supported infrastructures.

 [Download Introduction to Hardware Security and Trust ...pdf](#)

 [Read Online Introduction to Hardware Security and Trust ...pdf](#)

Introduction to Hardware Security and Trust

From Brand: Springer

Introduction to Hardware Security and Trust From Brand: Springer

This book provides the foundations for understanding hardware security and trust, which have become major concerns for national security over the past decade. Coverage includes security and trust issues in all types of electronic devices and systems such as ASICs, COTS, FPGAs, microprocessors/DSPs, and embedded systems. This serves as an invaluable reference to the state-of-the-art research that is of critical significance to the security of, and trust in, modern society's microelectronic-supported infrastructures.

Introduction to Hardware Security and Trust From Brand: Springer Bibliography

- Sales Rank: #893703 in Books
- Brand: Brand: Springer
- Published on: 2011-09-21
- Original language: English
- Number of items: 1
- Dimensions: 9.21" h x .94" w x 6.14" l, 1.73 pounds
- Binding: Hardcover
- 427 pages

 [Download Introduction to Hardware Security and Trust ...pdf](#)

 [Read Online Introduction to Hardware Security and Trust ...pdf](#)

Editorial Review

Review

From the reviews:

“Editors Tehranipoor and Wand help fill this important gap with their book on the security of electronic devices and systems The text begins with an introduction to very-large-scale integration (VLSI) testing and hardware implementation of hash functions. . . . Overall, this book represents an important contribution to the cyber security body of knowledge, providing a comprehensive introduction to hardware security and trust. I consider it highly relevant and recommend it.” (Alessandro Berni, ACM Computing Reviews, June, 2012)

From the Back Cover

The emergence of a globalized, horizontal semiconductor business model raises a set of concerns involving the security and trust of the information systems on which modern society is increasingly reliant for mission-critical functionality. Hardware-oriented security and trust issues span a broad range including threats related to the malicious insertion of Trojan circuits designed, e.g., to act as a ‘kill switch’ to disable a chip, to integrated circuit (IC) piracy, and to attacks designed to extract encryption keys and IP from a chip.

This book provides the foundations for understanding hardware security and trust, which have become major concerns for national security over the past decade. Coverage includes security and trust issues in all types of electronic devices and systems such as ASICs, COTS, FPGAs, microprocessors/DSPs, and embedded systems. This serves as an invaluable reference to the state-of-the-art research that is of critical significance to the security of, and trust in, modern society’s microelectronic-supported infrastructures.

- Provides a comprehensive introduction to hardware security and trust;
- Includes coverage at the circuit and systems levels, with applications to design and implementation;
- Describes a variety of state-of-the-art applications, such as physically unclonable functions, unclonable RFID tags and attack and countermeasures for smart cards.

Users Review

From reader reviews:

Clarice Johnson:

Your reading sixth sense will not betray an individual, why because this Introduction to Hardware Security and Trust e-book written by well-known writer we are excited for well how to make book which can be understood by anyone who all read the book. Written in good manner for you, still dripping wet every ideas and publishing skill only for eliminate your own hunger then you still uncertainty Introduction to Hardware Security and Trust as good book but not only by the cover but also from the content. This is one publication that can break don't judge book by its handle, so do you still needing a different sixth sense to pick this!? Oh come on your reading sixth sense already alerted you so why you have to listening to yet another sixth sense.

Patrick Pierce:

Reading a book to become new life style in this season; every people loves to read a book. When you go through a book you can get a lots of benefit. When you read ebooks, you can improve your knowledge, due to the fact book has a lot of information in it. The information that you will get depend on what kinds of book that you have read. If you wish to get information about your review, you can read education books, but if you want to entertain yourself read a fiction books, this sort of us novel, comics, along with soon. The Introduction to Hardware Security and Trust offer you a new experience in looking at a book.

Charles Moreno:

As a college student exactly feel bored to help reading. If their teacher expected them to go to the library in order to make summary for some publication, they are complained. Just little students that has reading's soul or real their leisure activity. They just do what the teacher want, like asked to go to the library. They go to generally there but nothing reading seriously. Any students feel that reading through is not important, boring and can't see colorful pics on there. Yeah, it is to become complicated. Book is very important for you. As we know that on this period, many ways to get whatever we want. Likewise word says, many ways to reach Chinese's country. Therefore this Introduction to Hardware Security and Trust can make you sense more interested to read.

Estela Gillard:

Publication is one of source of understanding. We can add our know-how from it. Not only for students but also native or citizen will need book to know the revise information of year to year. As we know those ebooks have many advantages. Beside we add our knowledge, could also bring us to around the world. By the book Introduction to Hardware Security and Trust we can get more advantage. Don't you to definitely be creative people? For being creative person must want to read a book. Just simply choose the best book that appropriate with your aim. Don't always be doubt to change your life with this book Introduction to Hardware Security and Trust. You can more attractive than now.

Download and Read Online Introduction to Hardware Security and Trust From Brand: Springer #IHOQ5XAN318

Read Introduction to Hardware Security and Trust From Brand: Springer for online ebook

Introduction to Hardware Security and Trust From Brand: Springer 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 Hardware Security and Trust From Brand: Springer books to read online.

Online Introduction to Hardware Security and Trust From Brand: Springer ebook PDF download

Introduction to Hardware Security and Trust From Brand: Springer Doc

Introduction to Hardware Security and Trust From Brand: Springer Mobipocket

Introduction to Hardware Security and Trust From Brand: Springer EPub

IHOQ5XAN318: Introduction to Hardware Security and Trust From Brand: Springer