

HARDWARE SECURITY

A HANDS-ON LEARNING APPROACH



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Hardware Security: A Hands-on Learning Approach



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Hardware Security: A Hands-On Learning Strategy provides a broad, in depth and practical overview of hardware security that encompasses all degrees of the electronic hardware infrastructure. Offers a thorough overview of computer hardware, including the fundamentals of personal computers and the implications of security risks Includes dialogue of the liability, security and personal privacy implications of hardware and software protection and interaction Gives insights on an array of security, trust problems and emerging attacks and protection mechanisms in the electronic equipment lifecycle, from style, fabrication, test, and distribution, straight to supply chain and deployment in the field The book is usually ideal as a textbook for upper-level undergraduate students studying computer engineering, computer research, electrical engineering, and biomedical engineering, but can be a handy reference for graduate learners, researchers and industry experts. the HaHa board) that can be used by instructors to fabricate boards, a suite of movies that demonstrate different equipment vulnerabilities, hardware attacks and countermeasures, and an in depth description and consumer manual for companion components. Users will be able to access schematic, design and design files for a imprinted circuit panel for hardware hacking (i.e. For academic classes, the reserve contains a robust suite of teaching ancillaries. It addresses basic principles like advanced attack techniques and countermeasures that are illustrated through theory, case studies and well-designed, hands-on laboratory exercises for every key concept.



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