

1. Record Nr.	UNINA9910784244203321
Titolo	Security and embedded systems [[electronic resource] /] / edited by Dimitrios N. Serpanos and Ran Giladi
Pubbl/distr/stampa	Amsterdam ; ; Washington, D.C., : IOS Press, c2006
ISBN	6610505187 1-280-50518-4 9786610505180 1-4237-9732-9 1-60750-155-4 600-00-0549-0 1-60129-135-3
Descrizione fisica	1 online resource (216 p.)
Collana	NATO security through science series. D, Information and communication security ; ; vol. 2
Altri autori (Persone)	GiladiRan SerpanosDimitrios Nikolaou
Disciplina	005.8
Soggetti	Embedded computer systems - Security measures Computer security
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Proceedings from the NATO Advanced Research Workshop on "Security and Embedded Systems."
Nota di bibliografia	Includes bibliographical references and author index.
Nota di contenuto	Title page; Preface; Contents; Chaotic Routing as a Method of an Information Conversion; Combinatorial Game Models for Security Systems; Architectural Enhancements for Secure Embedded Processing; Computational Improvements to Differential Side Channel Analysis; A Process Algebra Approach to Authentication and Secrecy; Intellectual Property Protection Using Embedded Systems; Challenges in Deeply Networked System Survivability; Multimedia Watermarking; A Platform for Designing Secure Embedded Systems; Cryptographic Insecurity of the Test & Repeat Paradigm A Privacy Classification Model Based on Linkability ValuationA Run- Time Reconfigurable Architecture for Embedded Program Flow Verification; Model-Based Validation of Enterprise Access Policies; Research Issues in Homeland Security; Assurance in Autonomous

Decentralized Embedded System; Vulnerabilities and Countermeasures for Embedded Processors; Agent-Based Modeling and Simulation of Malefactors' Attacks Against Computer Networks; Current Problems in Security of Military Networks; Multi-Agent Framework for Intrusion Detection and Alert Correlation
Securing Home and Building Automation Systems Using the zPnP Approach
REWARD: A Routing Method for Ad-Hoc Networks with Adjustable Security Capability; On the Security of the GSM Cellular Network; Telecommunications Fraud & Electronic Crime in Fix and Mobile Embedded Systems; Author Index

Sommario/riassunto

Focuses on the deployment and use of embedded systems in a range of applications. Considering the main directions of research in the field, three main areas are discussed: foundations of security and embedded systems; secure embedded computing systems; and telecommunications and network services.
