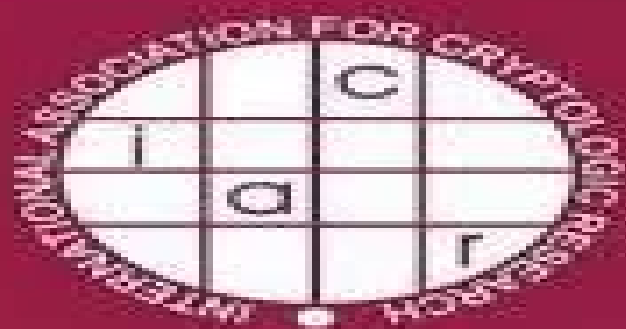


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LNCS 6917

# Cryptographic Hardware and Embedded Systems – CHES 2011

13th International Workshop  
Nara, Japan, September/October 2011  
Proceedings



 Springer

# Cryptographic Hardware And Embedded Systems Ches 2004

**Roman Wölfel**



## **Cryptographic Hardware And Embedded Systems Ches 2004:**

*Cryptographic Hardware and Embedded Systems - Ches 2004* Marc Joye, Jean-Jaques Quisquater, 2014-01-15

Cryptographic Hardware and Embedded Systems - CHES 2004 Marc Joye, Jean-Jaques Quisquater, 2004-07-08 These are the proceedings of CHES 2004 the 6th Workshop on Cryptographic Hardware and Embedded Systems For the first time the CHES Workshop was sponsored by the International Association for Cryptologic Research IACR This year the number of submissions reached a new record One hundred and twenty five papers were submitted of which 32 were selected for presentation Each submitted paper was reviewed by at least 3 members of the program committee We are very grateful to the program committee for their hard and efficient work in assembling the program We are also grateful to the 108 external referees who helped in the review process in their area of expertise In addition to the submitted contributions the program included three invited talks by Neil Gershenfeld Center for Bits and Atoms MIT about Physical Information Security by Isaac Chuang Medialab MIT about Quantum Cryptography and by Paul Kocher Cryptography Research about Physical Attacks It also included a rump session chaired by Christof Paar which featured informal talks on recent results As in the previous years the workshop focused on all aspects of cryptographic hardware and embedded system security We sincerely hope that the CHES Workshop series will remain a premium forum for intellectual exchange in this area Cryptographic Hardware and Embedded Systems--CHES 2004, 2004

**Topics in Cryptology -- CT-RSA 2006** David Pointcheval, 2006-01-19 This book constitutes the refereed proceedings of the Cryptographers Track at the RSA Conference 2006 CT RSA 2006 held in San Jose CA USA in February 2006 The book presents 24 papers organized in topical sections on attacks on AES identification algebra integrity public key encryption signatures side channel attacks CCA encryption message authentication block ciphers and multi party computation

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This volume constitutes the refereed proceedings of the 7th International Conference on Smart Card Research and Advanced Applications CARDIS 2006 held in Tarragona Spain in April 2006 The 25 revised full papers presented were carefully reviewed and updated for inclusion in this book The papers are organized in topical sections on smart card applications side channel attacks smart card networking cryptographic protocols RFID security and formal methods

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**Cryptographic Hardware and Embedded Systems - CHES 2004** Marc Joye, Jean-Jaques Quisquater, 2004-07-28 This book constitutes the refereed proceedings of the 6th International workshop on Cryptographic Hardware and Embedded Systems CHES 2004 held in Cambridge MA USA in August 2004 The 32 revised full papers presented were carefully reviewed and selected from 125 submissions The papers are organized in topical sections on side channels modular multiplication low resources implementation aspects collision attacks fault attacks hardware implementation and authentication and signatures

**Power Analysis Attacks** Stefan Mangard, Elisabeth Oswald, Thomas Popp, 2008-01-03 Power analysis attacks allow the extraction of secret information from smart cards Smart cards are used in many applications including banking mobile communications pay TV and electronic signatures In all these applications the security of the smart cards is of crucial importance Power Analysis Attacks Revealing the Secrets of Smart Cards is the first comprehensive treatment of power analysis attacks and countermeasures Based on the principle that the only way to defend against power analysis attacks is to understand them this book explains how power analysis attacks work Using many examples it discusses simple and differential power analysis as well as advanced techniques like template attacks Furthermore the authors provide an extensive discussion of countermeasures like shuffling masking and DPA resistant logic styles By analyzing the pros and cons of the different countermeasures this volume allows practitioners to decide how to protect smart cards

**Radio Frequency Identification System Security** C. Ma, J. Weng, 2013-11-07 Our reliance on ever

more sophisticated computer systems for the management of data and information means that the field of security and privacy technology continues to be of crucial importance to us all This book presents ten peer reviewed papers from the 2013 workshop Radio Frequency Identification Internet of Things Security RFIDsec 13 Asia held in Guangzhou China in November 2013 This is the fifth of a series of workshops organized by the Asian branch of RFIDsec which provides a platform for researchers enterprises and governments to investigate discuss and propose new solutions for the security and privacy issues related to RFID IoT technologies and applications Topics covered include RFID authentication mutual authentication and ownership transfer security of RFID applications NFC and the Internet of Things as well as side channel attacks The book will be of interest to all those whose work involves the security aspects of information management     *Topics in Cryptology, CT-RSA ...* ,2006     **Proceedings** ,2005     *Discrete Logarithm and Related Problems in Cryptography* Chui Zhi Yao,2008  
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