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Titolo	Smart Card Research and Advanced Applications [[electronic resource]] : 15th International Conference, CARDIS 2016, Cannes, France, November 7–9, 2016, Revised Selected Papers / / edited by Kerstin Lemke-Rust, Michael Tunstall
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-54669-4
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XII, 265 p. 93 illus.)
Collana	Security and Cryptology ; ; 10146
Disciplina	006
Soggetti	Data encryption (Computer science) Computer security Programming languages (Electronic computers) Management information systems Computer science Algorithms Cryptology Systems and Data Security Programming Languages, Compilers, Interpreters Management of Computing and Information Systems Algorithm Analysis and Problem Complexity
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Kernel Discriminant Analysis for Information Extraction in the Presence of Masking -- Second Order Side-Channel Analysis on ISO9797-1 MAC Algorithm 3 -- Side-Channel Analysis of the TUAK Algorithm Used for Authentication and Key Agreement in 3G/4G Networks -- Reverse Engineering Flash EEPROM Memories Using Scanning Electron Microscopy -- Spectre: A Tiny Side-Channel Resistant Speck Core for FPGAs -- Concealing Secrets in Embedded Processors Designs -- The Hell Forgery, Self-Modifying Codes Shoot again -- Logical Attacks on Secured Containers of the Java Card Platform -- Single-Trace Side-Channel Attacks on Scalar Multiplications with Pre-Computations -- A

	Compact and Exception-Free Ladder for All Short Weierstrass Elliptic Curves -- Inner Product Masking for Bit-slice Ciphers and Security Order Amplification for Linear Leakages -- Squeezing Polynomial Masking in Tower Fields -- PRNGs for Masking Applications and Their Mapping to Evolvable Hardware -- Automated Detection of Instruction Cache Leaks in Modular Exponentiation Software -- An Analysis of the Learning Parity with Noise Assumption against Fault Attacks.
Sommario/riassunto	This book constitutes the thoroughly refereed post-conference proceedings of the 15th International Conference on Smart Card Research and Advanced Applications, CARDIS 2016, held in Cannes, France, in November 2016. The 15 revised full papers presented in this book were carefully reviewed and selected from 29 submissions. The focus of the conference was on all aspects of the design, development, deployment, validation, and application of smart cards or smart personal devices.

2.

Record Nr.	UNINA9910131530903321
Autore	Wu Anguan
Titolo	Line loss analysis and calculation of electric power systems / / Anguan Wu, North China Electric Power University, China, Baoshan Ni, Zheijian University China
Pubbl/distr/stampa	Hoboken, NJ : , : Wiley, , 2016
ISBN	1-118-86723-8 1-118-86727-0 1-118-86725-4
Edizione	[Second edition.]
Descrizione fisica	1 online resource (514 p.)
Disciplina	621.31934
Soggetti	Electric lines Electric resistance
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Previous edition published under the title: Line Loss in Electric Power System.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Title Page; Table of Contents; Foreword; Preface; Introduction; 1 Overview; 1.1 Active Power Loss and Electric Energy Loss; 1.2

Calculation of AC Resistance; 1.3 Influence of Temperature and Voltage Changes on Line Loss in the Measuring Period; 1.4 Influence of Load Curve Shape on Line Loss; 1.5 Influence of Load Power Factor and Load Distribution on Line Loss; 1.6 Influence of Measuring Instrument Error on Line Loss; 2 Calculation of Line Loss by Current Load Curve; 2.1 RMS Current Method and Loss Factor Method; 2.2 Derivation of Functional Relationship F(f) by Ideal Load Curve
2.3 Derivation of Approximate Formula of F(f) by Statistical Mathematical Method 2.4 Derivation of F(f) Formula by Mathematical Analysis Method; 3 Probability Theory Analysis of Current Load Curve; 3.1 Probability Meanings of Load Curve and Its Parameters; 3.2 Analysis of Rossander Formula as Distribution Function; 3.3 Comparison of Various Loss Factor Formulas; 3.4 Three-Mode Division of Active Load Duration Curve; 4 Calculation of Line Loss by Power Load Curve; 4.1 Line Loss Calculation Considering Power Factor; 4.2 Maximum Load Power Factor Method of Troger
4.3 Annual Average Power Factor Method of Glazynov 4.4 Equivalent Load Curve Method; 4.5 Analysis of Errors of Various Line Loss Calculation Methods; 5 Line Loss Calculation after Reactive Compensation; 5.1 Calculation of Load Curve Parameters after Reactive Compensation; 5.2 Calculation of Loss Reduction Effect of Reactive Compensation; 5.3 Calculation Curves of Annual Electric Energy Losses for Power Grid Planning and Design; 6 Change Law for the Electric Energy Losses of Power Grids; 6.1 Basis of Analysis of Line Loss Changes; 6.2 Calculation and Analysis of No-load Loss
6.3 Calculation and Analysis of Load Loss Coefficient C 6.4 Determination of Voltage Level by Loss Reduction Requirement; 7 Analysis and Control of Line Loss Rate Indicators of Power Grids; 7.1 Analysis of Line Loss Rate Composition; 7.2 Analysis of Influence of Grid Electric Supply Structure on Line Loss Rate; 7.3 Analysis of Power Sales Quantity Composition; 7.4 Multiple-factor Analysis of Changes in Electricity Line Losses; 7.5 Marginal Line Loss Rate and Optimal Distribution of Increase in Electric Supply; 8 Theoretical Calculation of Electric Energy Losses of Power Grid Units
8.1 Classification of Electric Energy Losses 8.2 Calculation of Electric Energy Losses of Overhead Lines; 8.3 Calculation of Electric Energy Losses of Cable Lines; 8.4 Calculation of Electric Energy Losses of Main Transformers; 8.5 Calculation of Electric Energy Losses of Other Electrical Equipment; 9 Calculation of Electric Energy Losses of Multi-branch Lines; 9.1 Basic Method for Calculating Electric Energy Losses of Multi-branch Lines; 9.2 Equivalent Resistance Method and Calculation of Electric Energy Losses of Distribution Transformers; 9.3 Double Component Balance Method
9.4 Dispersion Coefficient Method