Cryptographic Solutions for Secure Online Banking and Commerce

Part of the Advances in Information Security, Privacy, and Ethics Book Series

Kannan Balasubramanian (Mepco Schlenk Engineering College, India), K. Mala (Mepco Schlenk Engineering College, India) and M. Rajakani (Mepco Schlenk Engineering College, India)

Description:

Technological advancements have led to many beneficial developments in the electronic world, especially in relation to online commerce. Unfortunately, these advancements have also created a prime hunting ground for hackers to obtain financially sensitive information and deterring these breaches in security has been difficult.

Cryptographic Solutions for Secure Online Banking and Commerce discusses the challenges of providing security for online applications and transactions. Highlights research on digital signatures, public key infrastructure, encryption algorithms, and digital certificates, as well as other e-commerce protocols.

Readers:

This book is an essential reference source for financial planners, academicians, researchers, advanced-level students, government officials, managers, and technology developers.

ISBN: 9781522502739   Release Date: June, 2016   Copyright: 2016   Pages: 368

Topics Covered:

- Electronic Payment Systems
- Encryption
- Financial Transactions
- Online Banking
- Quantum Cryptography
- Web Application Vulnerabilities
- Web Client Security

Hardcover + Free E-Access: $200.00
E-Access + Free Hardcover: $200.00

Order Information
Phone: 717-533-8845 x100
Toll Free: 1-866-342-6657
Fax: 717-533-8661 or 717-533-7115
Online Bookstore: www.igi-global.com
Table of Contents
Preface
Acknowledgment

Section 1

Chapter 1
Attacks On Online Banking and Commerce
Dr. Kannan Balasubramanian, Mepco Schlenk Engineering College, Sivakasi, India

Chapter 2
Electronic Payment Systems and Their Security
Dr. Kannan Balasubramanian, Mepco Schlenk Engineering College, Sivakasi, India

Chapter 3
Digital Money and Electronic Check Security
Dr. Kannan Balasubramanian, Mepco Schlenk Engineering College, Sivakasi, India

Chapter 4
Web Client Security
Dr. Kannan Balasubramanian, Mepco Schlenk Engineering College, Sivakasi, India

Chapter 5
Web Server Security For E-Commerce Applications
Dr. Kannan Balasubramanian, Mepco Schlenk Engineering College, Sivakasi, India

Chapter 6
Threats and Attacks on E-Commerce Sites
Dr. Kannan Balasubramanian, Mepco Schlenk Engineering College, Sivakasi, India

Chapter 7
Implementing a Secure E-Commerce Web Site
Dr. Kannan Balasubramanian, Mepco Schlenk Engineering College, Sivakasi, India

Chapter 8
Protecting The E-Commerce Website Against DDoS Attacks
Dr. Kannan Balasubramanian, Mepco Schlenk Engineering College, Sivakasi, India

Chapter 9
Securing Financial Transactions On The Internet
Dr. Kannan Balasubramanian, Mepco Schlenk Engineering College, Sivakasi, India

Chapter 10
Developing Security Enabled Applications for Web Commerce
Dr. Kannan Balasubramanian, Mepco Schlenk Engineering College, Sivakasi, India

Chapter 11
Prevention of SQL Injection Attacks in Web Browsers
Dr. Kannan Balasubramanian, Mepco Schlenk Engineering College, Sivakasi, India

Chapter 12
Web Application Vulnerabilities and their Countermeasures
Dr. Kannan Balasubramanian, Mepco Schlenk Engineering College, Sivakasi, India

Chapter 13
Value and Risk in Business-to-Business E-banking
Dr. Fakhreddin Maroofi, Mr. Khodadad Kalhori, University of Kurdistan, Iran

Chapter 14
Quantum Cryptography
Mr. Ahmed Mahmoud Abbas, MSc, Computer Science & Engineering Department, The American University in Cairo, Egypt

Chapter 15
Security Considerations in Migrating from IPV4 and IPV6
Dr. Kannan Balasubramanian, Mepco Schlenk Engineering College, Sivakasi, India

Chapter 16
Implementing Security in Wireless MANs
Dr. Kannan Balasubramanian, Mepco Schlenk Engineering College, Sivakasi, India

Chapter 17
XML Signatures and Encryption
Dr. Kannan Balasubramanian, Mepco Schlenk Engineering College, Sivakasi, India

About the Contributors
Index

---

Dr. Kannan Balasubramanian received a Ph.D degree in Computer Science from University of California, Los Angeles, and the M.Tech degree in computer Science and Engineering from IIT Bombay India and his Msc(Tech) degree in Computer Science from BITS, Pilani, India. He is a Professor at Mepco Schlenk Engineering College, Sivakasi, India. His research interests include Network Security, Network protocols, applications and performance.

Mr. M. Rajakani is currently an Assistant Professor in the Department of Computer Science and Engineering at Mepco Schlenk Engineering College, Sivakasi. His interests are in Information Security and Data mining.