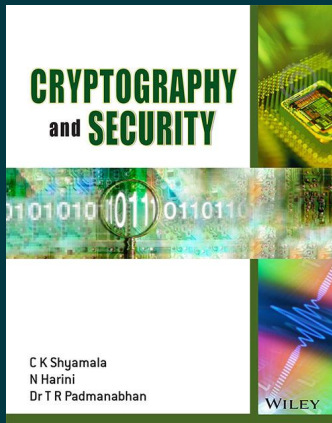




Cryptography and Security

By C K Shyamala, N Harini, Dr. T R Padmanabhan

Paperback

9788126522859

₹1,099.00

Pages: 560

Description

In this book, basic concepts of cryptography and security are introduced. Cryptography and security are dealt with in sufficient depth and detail without losing focus. Symmetric and asymmetric key cryptography Elliptic curve cryptography, hashing functions, message authentication and digital signature are discussed and salient features in each explained. Subsequently the cryptographic concepts are used to address security issues at application, transport and network layers. Security threats at various levels and counter measures are explained. Relevant standards and applications are given sufficient attention.

About the Author

C K Shyamala, N Harini, Dr. T R Padmanabhan

Dr. T. R. Padmanabhan is Professor Emeritus at Amrita Vishwa Vidyapeetham

Table of Contents

Part A - Cryptography

- Chapter 1. Number Theory and Algebra
- Chapter 2. Classical Cryptography
- Chapter 3. Foundations of Modern Cryptography
- Chapter 4. Private-Key Cryptography
- Chapter 5. Public-Key Cryptography
- Chapter 6. Stream Ciphers
- Chapter 7. Hashing, Authentication and Signature Schemes

Part B - Network Security

- Chapter 8. Authentication
- Chapter 9. E-mail Security
- Chapter 10. Internet Protocol Security (IPSec)
- Chapter 11. Web Security

Part C - System Security

- Chapter 12. Intruders
- Chapter 13. Viruses and Worms

· Chapter 14. Firewall

· Chapter 15. Trusted Systems

Appendix A Security Implementation

Appendix B Wireless Network Security

Appendix C SDLC

Appendix D DomainKeys Identified Mail (DKIM)

Appendix E ACM Code of Ethics and Professional Conduct

References

Index

To purchase this product, please visit:

<https://www.wileyindia.com/cryptography-and-security.html>



Scan to buy