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Handbook of Communications Security

F. GARZIA



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cryptography and steganography Programs***

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Handbook of Communications Security

Description

Communications represent a strategic sector for privacy protection and for personal, corporate, homeland, and international security. The interception, damage or loss of information during its communication can generate material, non material and economic damage both from a personal and a collective point of view.

Handbook of Communications Security gives the reader information related to all aspects of communications security, from the fundamental concepts to the most advanced and updated.

Handbook of Communications Security is intended for integrated system designers, telecommunication designers, system engineers, system analysts, security managers, security responsible, technicians, intelligence personnel, security personnel, police, army, private investigators, scientists, graduate and postgraduate students and all those who need to communicate in a secure way.

A CD included with the book contains freeware cryptography and steganography programs.

Contents

Chapter 1: Fundamentals of Telecommunications

Chapter 2: Cryptography

Chapter 3: Steganography

Chapter 4: Digital Watermarking

Chapter 5: Security in Wired Networks

Chapter 6: Security of Wireless Networks

Chapter 7: Voice Security

Chapter 8: Protection from Bugging

Audience

This book will be of interest to: Integrated system designers; Telecommunication Designers; System Engineers; System Analysts; Security Managers; Security Responsible; Technicians; Intelligence Personnel; Security Personnel; Police; Army; Private Investigators; Scientists; Graduate and Postgraduate Students; as well as anyone else that needs to communicate in a secure way.

Author Bio

Fabio Garzia is Professor of various subjects regarding security in the Safety & Security and Civil Protection Masters Program at the University of Rome "La Sapienza" and in other Masters programs at the same university and at other universities in Italy. He is also an Adjunct Professor at Wessex Institute of Technology (UK), and a member of the European Academy of Science and Arts (Salzburg, Austria).

He is the author of more than 100 scientific papers published in various international journals and conference proceedings and author or editor of several books regarding security, both in Italian and English. He is co-editor of the International Journal of Safety & Security Engineering (WIT Press). He serves as a reviewer for various international scientific journals, as a member of various committees and working groups regarding security and ICT, a member of the Scientific Committees of various international conferences, a member of the Executive Committee of IEEE International Carnahan Conference on Security Technology, and as co-Chairman of the Safety & Security Engineering conference series.

A consultant, designer, construction manager and tester of security and ICT systems, he has worked or is still working for: Vatican City State, Senate of Italian Republic, Gran Sasso mountain INFN underground laboratories, Italian Space Agency, high velocity railway, high security sites, airports, ports, rail stations, museum, basilicas, different public and private subjects, etc. He is an Expert Member of the Board of Public Works of Italy.

Book Details

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ISBN: 978-1-84564-768-1
eISBN: 978-1-84564-769-8
Pages: 680
Published: 2013
Price: £360.00

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