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Security and Privacy Assurance in Advancing Technologies: New Developments

Hamid Nemati (The University of North Carolina – Greensboro, USA)

Recent advances in computing and communication networks allow us to utilize information technology in ways previously unimaginable. In order for us to take full advantage of the possibilities offered by these new technologies, organizations, governmental agencies, and individuals must find ways to address the associated security and privacy implications of their actions and behaviors.

Security and Privacy Assurance in Advancing Technologies: New Developments provides a comprehensive collection of knowledge from experts within the field of information security and privacy. This book explores the changing roles of information technology and how this change will impact information security and privacy. The evolving nature of information security and privacy brings additional challenges and opportunities for all of us to carry into the future.

Topics Covered:

- Consumer and business practices and trends
- Database issues in privacy protection
- Economic impact analysis
- Encryption, authentication, and access control
- File and file system security and privacy
- Global issues
- Hacking and corruptions
- Identity and privacy confidentiality
- Peer-to-Peer computing
- Relationships and trade-offs between security and privacy
- Security and privacy techniques, management, and protocols
- Tools, techniques, methods, and frameworks
- Trends and new developments

Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.

Dr. Hamid Nemati is an Associate Professor of Information Systems at the Information Systems and Operations Management Department of The University of North Carolina at Greensboro. He holds a doctorate from the University of Georgia and a Master of Business Administration from The University of Massachusetts. Before coming to UNCG, he was on the faculty of J. Mack Robinson College of Business Administration at Georgia State University. He also has extensive professional experience as a consultant with a number of major corporations. Dr. Nemati is the Editor-in-Chief of International Journal of Information Security and Privacy and the Advances in Information Security and Privacy (AISP) Book Series. His research specialization is in the areas of decision support systems, data warehousing and mining, and information security and privacy. His research articles have appeared in a number of premier journals. He has presented numerous research and scholarly papers nationally and internationally.
Chapter 1
Re-Evaluation of On-Line Hot Topic Discovery Model
Ye Hui-min (University of Vermont, USA)
Sharma Sushil K. (Ball State University, USA)
Xu Huinan (Ernst & Young, USA)

Chapter 2
Understanding User Behavior towards Passwords through Acceptance and Use Modelling
Novakovic Lee (Murdoch University, Australia)
McGill Tanya (Murdoch University, Australia)
Dixon Michael (Murdoch University, Australia)

Chapter 3
Privacy Loss: An Expanded Model of Legal and Illegal Data Exchange
Pratt Joanne H. (Joanne H. Pratt Associates, USA)

Chapter 4
Do Privacy Statements Really Work?
Nemati Hamid R. (The University of North Carolina, USA)
Van Dyke Thomas (The University of North Carolina, USA)

Chapter 5
Large Key Sizes and the Security of Password-Based Cryptography
Boklan Kent D. (Queens College, USA)

Chapter 6
Information Systems Security Assurance Management at Municipal Software Solutions, Inc.
Kleist Virginia Franke (West Virginia University, USA)
Morris Bonnie (West Virginia University, USA)
Denton James W. (West Virginia University, USA)

Chapter 7
Chronicle of a Journey:
Kosachev Alex (The University of North Carolina at Greensboro, USA)
Nemati Hamid R. (The University of North Carolina at Greensboro, USA)

Chapter 8
Protected Health Information (PHI) in a Small Business
Suleiman James (University of Southern Maine, USA)
Huston Terry (Health Care Information Technology Consultant, Canada)

Chapter 9
Addressing Current PCI Compliance Challenges
Ngou Benjamin (Suffolk University, USA)
Dardick Glenn (Longwood University, USA)
Vega Gina (Salem State University, USA)

Chapter 10
Relationships between Information Security Concerns and National Cultural Dimensions:
Ifriedo Princeley (Cape Breton University, Canada)

Chapter 11
Information Security by Words Alone:
Arnett Kirk P. (Mississippi State University, USA)
Templeton Gary E. (Mississippi State University, USA)
Vance David A. (Olivet Nazarene University, USA)

Chapter 12
The Social Network Structure of a Computer Hacker Community
Cao Xubin (Southwestern University of Finance and Economics, China)
Lai Yong (Pennsylvania State University, USA)

Chapter 13
Security and Privacy Issues in Secure E-Mail Standards and Services
Chen Lei (Sam Houston State University, USA)
Hu Wen-Chen (University of North Dakota, USA)
Yang Ming (Jacksonville State University, USA)
Zhang Lei (Frostburg State University, USA)

Chapter 14
Advances in Security and Privacy in Wireless Sensor Networks
Kar Dulal C. (Texas A&M University-Corpus Christi, USA)
Ngo Hung L. (Texas A&M University-Corpus Christi, USA)
Mulkey Clifton J. (Texas A&M University-Corpus Christi, USA)
Sanapala Geetha (Texas A&M University-Corpus Christi, USA)

Chapter 15
Multimedia Information Security and Privacy:
Yang Ming (Montclair State University, USA)
Trifas Monica (Jacksonville State University, USA)
Francisco Guillermo (Jacksonville State University, USA)
Chen Lei (Sam Houston State University, USA)
Hu Yongxiang (Taihoku University, China)

Chapter 16
Cheek and Dagger:
Thurimella Ramakrishna (University of Denver, USA)
Mitchell William (University of Denver, USA)

Chapter 17
Secure and Private Service Discovery in Pervasive Computing Environments
Zhu Feng (University of Alabama in Huntsville, USA)
Zhu Wei (Intelgraph Co, USA)

Chapter 18
Preserving Privacy in Mining Quantitative Associations Rules
Ahluwalia Madhu V. (University of Maryland Baltimore County, USA)
Gangopadhyay Aranya (University of Maryland Baltimore County, USA)
Chen Zhiyuan (University of Maryland Baltimore County, USA)

Chapter 19
A New SOA Security Model to Protect Against Web Competitive Intelligence Attacks by Software Agents
Amourzegar Hamidreza (K. N. Toosi University of Technology, Iran)
Tarokh Mohammad Jafar (K. N. Toosi University of Technology, Iran)
Hidaji Anahita Nafisilouye (Infotech Pars Company, Iran)

Chapter 20
PAKE on the Web
Wang Xunhua (James Madison University, USA)
Lin Hua (University of Virginia, USA)

Chapter 21
Three Models to Measure Information Security Compliance
Al-Hamdani Wasim A (Kentucky State University, USA)

Chapter 22
Do You Know Where Your Data Is?
Reay Ian (University of Alberta, Canada)
Beatty Patricia (University of Alberta, Canada)
Dick Scott (University of Alberta, Canada)
Miller James (University of Alberta, Canada)