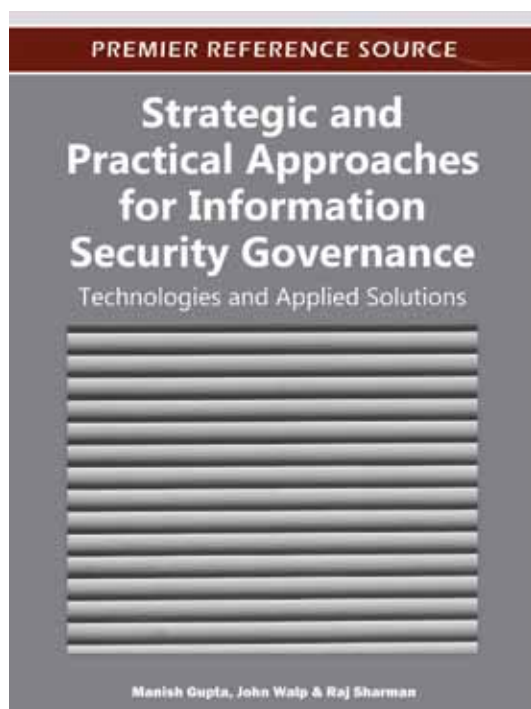


# An Excellent Addition to Your Library!

Released: February 2012

## Strategic and Practical Approaches for Information Security Governance: Technologies and Applied Solutions



Manish Gupta (State University of New York at Buffalo, USA),  
John Walp (M&T Bank Corporation, USA) and  
Raj Sharman (State University of New York, USA)

Organizations, worldwide, have adopted practical and applied approaches for mitigating risks and managing information security program. Considering complexities of a large-scale, distributed IT environments, security should be proactively planned for and prepared ahead, rather than as used as reactions to changes in the landscape.

**Strategic and Practical Approaches for Information Security Governance: Technologies and Applied Solutions** presents high-quality research papers and practice articles on management and governance issues in the field of information security. The main focus of the book is to provide an organization with insights into practical and applied solutions, frameworks, technologies and practices on technological and organizational factors. The book aims to be a collection of knowledge for professionals, scholars, researchers and academicians working in this field that is fast evolving and growing as an area of information assurance.

### Topics Covered:

- Access Control Methods and Models
- Data Loss Prevention Approaches and Enforcement Policies
- Forensics and Investigation Issues
- Fraud and Identity Theft Issues
- Identification and Authentication Technologies
- Information Security Governance Frameworks
- Information Security Management Frameworks
- Legal and Regulatory Oversight Issues
- Security Auditing and Accountability Issues
- Storage and Device Security

ISBN: 9781466601970; © 2012; 491 pp.

Print: US \$195.00 | Perpetual: US \$295.00 | Print + Perpetual: US \$390.00

**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.

**Manish Gupta** is an Information Security Professional in a Northeast based bank in US. He was an Adjunct Instructor/Professor (2007) at State University of New York at Buffalo, USA. He received his PhD in Management Science and Systems and an MBA in Information Systems and Finance from State University of New York, Buffalo, NY, USA in 2011 and 2003, respectively. He received his Bachelor's degree in Mechanical Engineering from Institute of Engineering and Technology, Lucknow, India in 1998. He has more than twelve years of experience in information systems, security policies, and technologies. He has published 4 books in the area of information security, ethics, and assurance. He has published more than 50 research articles in leading journals, conference proceedings, and books including DSS, ACM Transactions, IEEE, and JOEUC. He serves in editorial boards of several international journals including *Journal of Electronic Banking* and *International Journal of Liability and Scientific Enquiry (IJLSE)*, and has served in program committees of several international conferences. He holds several professional designations including CISSP, CISA, CISM, ISSPCS, CIW Security Analyst, and PMP. He is a member of Sigma Xi, Beta Gamma Sigma, ISACA, and ISC2. He received prestigious 2008 ISC2 information security scholarship (awarded on to only 7 researchers around the world) from ISC2 and also received PhD Student Achievement Award from SUNY Buffalo.

- Chapter 1  
*Investigating the Concept of Information Security Culture*  
Oost Daniel (University of Technology, Australia)  
Chew Eng (University of Technology, Australia)
- Chapter 2  
*Assessing Market Compliance of IT Security Solutions:*  
Roßnagel Heiko (Fraunhofer IAO, Germany)  
Zibuschka Jan (Fraunhofer IAO, Germany)
- Chapter 3  
*Identity Assurance in Open Networks*  
Thomas Ivonne (Hasso-Plattner-Institute, Germany)  
Meinel Christoph (Hasso-Plattner-Institute, Germany)
- Chapter 4  
*Information Security Governance*  
Korhonen Janne J. (Aalto University, Finland)  
Hiekkanen Kari (Aalto University, Finland)  
Mykkänen Juha (University of Eastern Finland, Finland)
- Chapter 5  
*Enterprise Information Security Policies, Standards, and Procedures:*  
Nabi Syed Irfan (Institute of Business Administration, Pakistan & Center of Excellence in Information Assurance (CoEIA), King Saud University, Saudi Arabia)  
Al-Ghmlas Ghmlas Saleh (Center of Excellence in Information Assurance (CoEIA), King Saud University, Saudi Arabia)  
Alghathbar Khaled (Center of Excellence in Information Assurance (CoEIA), King Saud University, Saudi Arabia)
- Chapter 6  
*ISMS Building for SMEs through the Reuse of Knowledge*  
Sánchez Luis Enrique (SICAMAN NT, Spain)  
Santos-Olmo Antonio (SICAMAN NT, Spain)  
Fernandez-Medina Eduardo (University of Castilla-La Mancha, Spain)  
Piattini Mario (University of Castilla-La Mancha, Spain)
- Chapter 7  
*Information Security and Management in Social Network*  
Patel Alkesh (Rediff.com, India)  
Balakrishnan Ajit (Rediff.com, India)
- Chapter 8  
*Music is the Key:*  
Gibson Marcia (Institute for Research in Applicable Computing, University of Bedfordshire, UK)  
Renaud Karen (University of Glasgow, UK)  
Conrad Marc (Institute for Research in Applicable Computing, University of Bedfordshire, UK)  
Maple Carsten (Institute for Research in Applicable Computing, University of Bedfordshire, UK)
- Chapter 9  
*Information System Integrated Security*  
Tvrdíková Milena (VSB-Technical University Ostrava, Czech Republic)
- Chapter 10  
*Surveillance Communities of Practice:*  
Goldschmidt Peter (The University of Western Australia, Australia)
- Chapter 11  
*Not Every Cloud Brings Rain:*  
Kierkegaard Sylvia (International Association of IT Lawyers, Denmark)
- Chapter 12  
*Securing the Extended Enterprise:*  
Franqueira Virginia N. L. (University of Twente, The Netherlands)  
van Cleeff André (University of Twente, The Netherlands)  
van Eck Pascal (University of Twente, The Netherlands)  
Wieringa Roel (University of Twente, The Netherlands)
- Chapter 13  
*Information Security Management Systems Cybernetics*  
Boehmer Wolfgang (Technische Universität Darmstadt, Germany)
- Chapter 14  
*Fraud and Identity Theft Issues*  
Dhanalakshmi Ranaganayakulu (Anna University, India)  
Chellappan Chenniappan (Anna University, India)
- Chapter 15  
*Information Security Governance and Standard Based Management Systems*  
Stoll Margareth (University of Innsbruck, Austria)  
Breu Ruth (University of Innsbruck, Austria)
- Chapter 16  
*A Construct Grid Approach to Security Classification and Analysis*  
Van Hilst Michael (Florida Atlantic University, USA)  
Fernandez Eduardo B. (Florida Atlantic University, USA)
- Chapter 17  
*Towards an Organizational Culture Framework for Information Security Practices*  
Lim Joo Soon (The University of Melbourne, Australia)  
Chang Shanton (The University of Melbourne, Australia)  
Ahmad Atif (The University of Melbourne, Australia & SECAU – Security Research Centre, Edith Cowan University, Australia)  
Maynard Sean (The University of Melbourne, Australia)
- Chapter 18  
*Establishment of Enterprise Secured Information Architecture*  
Liu Shyh-Chang (I-Shou University, Taiwan)  
Wu Tsang- Hung (I-Shou University, Taiwan)
- Chapter 19  
*Information Security Management Based on Adaptive Security Policy Using User Behavior Analysis*  
Brosso Ines (Mackenzie Presbyterian University, Brazil)  
La Neve Alessandro (Centro Universitário da FEI, Brasil)
- Chapter 20  
*Detecting Credit Fraud in E-Business System:*  
Mahdi Md Delwar Hussain (Applied Research Centre for Business and Information Technology (ARCBIT), UK)  
Rezau Karim Mohammed (Centre for Applied Internet Research (CAIR), Glyndŵr University, UK)
- Chapter 21  
*Safeguarding Australia from Cyber-Terrorism:*  
Beggs Christopher (Security Infrastructure Solutions, Australia)  
Warren Matthew (Deakin University, Australia)
- Chapter 22  
*Detecting Compliance Failures in Unmanaged Processes*  
Doganata Yurdaer N. (IBM T.J. Watson Research, USA)
- Chapter 23  
*Loss of Data:*  
Rosewall Ian (Deakin University, Australia)  
Warren Matt (Deakin University, Australia)

## Order Your Copy Today!

Name: \_\_\_\_\_

Organization: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Country: \_\_\_\_\_

Tel: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Enclosed is check payable to IGI Global in  
US Dollars, drawn on a US-based bank

Credit Card  Mastercard  Visa  Am. Express

3 or 4 Digit Security Code: \_\_\_\_\_

Name on Card: \_\_\_\_\_

Account #: \_\_\_\_\_

Expiration Date: \_\_\_\_\_