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

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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
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• Security Auditing and Accountability Issues
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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.
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