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Threats, Countermeasures, and Advances in Applied Information Security

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

Organizations are increasingly relying on electronic information to conduct business, which has caused the amount of personal information to grow exponentially.

Threats, Countermeasures, and Advances in Applied Information Security addresses the fact that managing information security program while effectively managing risks has never been so critical. This book contains 24 chapters on the most relevant and important issues and advances in applied information security management. The chapters are authored by leading researchers and practitioners in the field of information security from across the globe. The chapters represent emerging threats and countermeasures for effective management of information security at organizations.

Topics Covered:

- Intrusion Response Metrics
- Distributed And Secure Architecture
- Threats In E-Commerce
- Graphical Passwords
- Software Configurations
- Decision Support Systems
- Security and Authentication Issues
- Spam Robots
- Network Security
- Malware Analysis


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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.

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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, IIEE, and JOEUC. He serves in editorial boards of several international journals including Journal of Electronic Banking and International Journal of Liability and Scientific Enquiry (JILSE), 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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