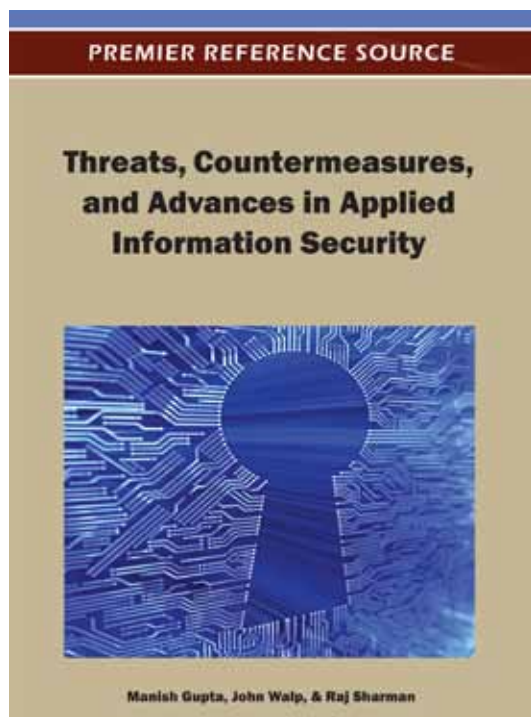


An Excellent Addition to Your Library!

Released: April 2012

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

ISBN: 9781466609785; © 2012; 319 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.



www.igi-global.com

Publishing Academic Excellence
at the Pace of Technology Since 1988

<p>Chapter 1 <i>A Pragmatic Approach to Intrusion Response Metrics</i> Strasburg Chris (The Ames Laboratory, US Department of Energy, USA) Wong Johnny S. (Iowa State University, USA)</p> <p>Chapter 2 <i>Feature Extraction Methods for Intrusion Detection Systems</i> Nguyen Hai Thanh (Gjøvik University College, Norway) Franke Katrin (Gjøvik University College, Norway) Petrović Slobodan (Gjøvik University College, Norway)</p> <p>Chapter 3 <i>A Distributed and Secure Architecture for Signature and Decryption Delegation through Remote Smart Cards</i> Cattaneo Giuseppe (Università di Salerno, Italy) Faruolo Pompeo (Università di Salerno, Italy) Visconti Ivan (Università di Salerno, Italy)</p> <p>Chapter 4 <i>Information Security Management:</i> Rahman Mohammad Mahfuzur (Applied Research Centre for Business and Information Technology (ARCBIT), UK) Rezaul Karim Mohammed (Centre for Applied Internet Research (CAIR), Glyndŵr University, UK)</p> <p>Chapter 5 <i>Analyzing Information Security Goals</i> Kolkowska Ella (Swedish Business School at Örebro University, Sweden) Hedström Karin (Swedish Business School at Örebro University, Sweden) Karlsson Fredrik (Swedish Business School at Örebro University, Sweden)</p> <p>Chapter 6 <i>Graphical Passwords</i> Catuogno Luigi (Università degli Studi di Salerno, Italy) Galdi Clemente (Università degli Studi di Napoli, Italy)</p> <p>Chapter 7 <i>Assessing the Security of Software Configurations</i> Araújo Neto Afonso (University of Coimbra, Portugal) Vieira Marco (University of Coimbra, Portugal)</p> <p>Chapter 8 <i>A Decision Support System for Privacy Compliance</i> Pearson Siani (Cloud and Security Research Lab, HP Labs, UK) Sander Tomas (Cloud and Security Research Lab, HP Labs, USA)</p> <p>Chapter 9 <i>Information Security Management Based on Linguistic Sharing Techniques</i> Ogiela Marek R. (AGH University of Science and Technology, Poland) Ogiela Urszula (AGH University of Science and Technology, Poland)</p> <p>Chapter 10 <i>SQL Injection Attacks Countermeasures</i> Amirtahmasebi Kasra (Chalmers University of Technology, Sweden) Jalalinia Seyed Reza (Chalmers University of Technology, Sweden)</p> <p>Chapter 11 <i>Security and Authentication Issues of an Embedded System Designed and Implemented for Interactive Internet Users</i> Baruah Siddhartha (Gauhati University, India) Mahanta Anjana Kakoty (Gauhati University, India) Sarma Kanak Ch (Gauhati University, India)</p> <p>Chapter 12 <i>Distributed Key Management Scheme Based on CL-PKC in P2P Networks</i> Li Zhongwen (Chengdu University, China) Xu Zhibin (Xiamen University, China) Liang Chen (Xiamen University, China)</p> <p>Chapter 13 <i>A Privacy Service for Comparison of Privacy and Trust Policies within SOA</i> Allison David S. (The University of Western Ontario, Canada) EL Yamany Hany F. (Suez Canal University, Egypt) Capretz Miriam A. M. (The University of Western Ontario, Canada)</p>	<p>Chapter 14 <i>Creating and Applying Security Goal Indicator Trees in an Industrial Environment</i> Bagnato Alessandra (Txt e-solutions, Italy) Raiteri Fabio (Txt e-solutions, Italy) Jung Christian (ISQ Fraunhofer Institute for Experimental Software Engineering IESE, Germany) Elberzhager Frank (ISQ Fraunhofer Institute for Experimental Software Engineering IESE, Germany)</p> <p>Chapter 15 <i>Security Enhancement of Peer-to-Peer Session Initiation</i> Zheng Xianghan (Fuzhou University, P.R. China) Oleshchuk Vladimir A. (University of Agder, Norway)</p> <p>Chapter 16 <i>Towards a Framework for Collaborative Enterprise Security</i> Misra Janardan (Independent Researcher, India)</p> <p>Chapter 17 <i>Privacy-Aware Organisation-Based Access Control Model (PrivOrBAC)</i> Ajam Nabil (Institut Télécom, Télécom Bretagne, France) Cuppens-Boulahia Nora (Institut Télécom, Télécom Bretagne, France) Cuppens Frédéric (Institut Télécom, Télécom Bretagne, France)</p> <p>Chapter 18 <i>Can Formal Methods Really Help?</i> Weldemariam Komminist (Fondazione Bruno Kessler, Italy) Villaflorida Adolfo (Fondazione Bruno Kessler, Italy)</p> <p>Chapter 19 <i>Countering Spam Robots:</i> Raj Aditya (Netaji Subhas Institute of Technology, India) Pahwa Tushar (Netaji Subhas Institute of Technology, India) Jain Ashish (Netaji Subhas Institute of Technology, India)</p> <p>Chapter 20 <i>Embedded System Security Risk in a Green-House Environment</i> Oraon Trailokya (Jorhat Engineering College, India)</p> <p>Chapter 21 <i>Security in Wireless Sensor Networks with Mobile Codes</i> Zboril Frantisek (Brno University of Technology, Czech Republic) Horacek Jan (Brno University of Technology, Czech Republic) Drahansky Martin (Brno University of Technology, Czech Republic) Hanacek Petr (Brno University of Technology, Czech Republic)</p> <p>Chapter 22 <i>Grid of Security:</i> Flauzac Olivier (University of Reims Champagne-Ardenne, France) Nolot Florent (University of Reims Champagne-Ardenne, France) Rabat Cyril (University of Reims Champagne-Ardenne, France) Steffenel Luiz-Angelo (University of Reims Champagne-Ardenne, France)</p> <p>Chapter 23 <i>Effective Malware Analysis Using Stealth Breakpoints</i> Vasudevan Amit (Carnegie Mellon University, USA)</p> <p>Chapter 24 <i>A Dynamic Cyber Security Economic Model:</i> Axelrod C. Warren (Delta Risk LLC, USA)</p>
---	--

An Excellent Addition to Your Library!

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: _____