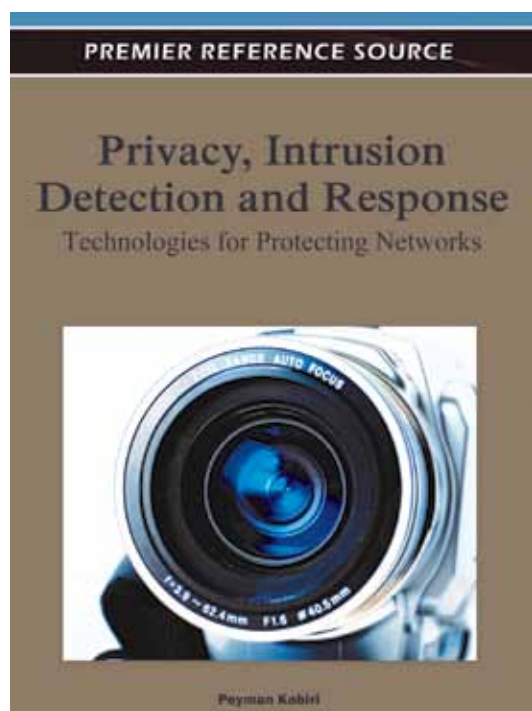


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Privacy, Intrusion Detection and Response: Technologies for Protecting Networks



Peyman Kabiri (Iran University of Science and Technology, Iran)

Though network security has almost always been about encryption and decryption, the field of network security is moving towards securing the network environment rather than just stored or transferred data.

Privacy, Intrusion Detection and Response: Technologies for Protecting Networks explores the latest practices and research works in the area of privacy, intrusion detection, and response. Increased interest on intrusion detection together with prevention and response proves that protecting data either in the storage or during transfer is necessary, but not sufficient, for the security of a network. This book discusses the latest trends and developments in network security and privacy, and serves as a vital reference for researchers, academics, and practitioners working in the field of privacy, intrusion detection, and response.

Topics Covered:

- Intrusion Detection
- Anomaly Detection
- Enterprise Networks Protection
- Distributed Intrusion Detection
- Data Collection Mechanisms for Intrusion Detection
- Network Feature Selection for Intrusion Detection
- Intrusion Prevention
- Intrusion Response
- Botnet Behavior Detection
- DoS Attack Detection on SIP based Services

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Peyman Kabiri received his PhD in Computing and MSc in Real time Systems from the Nottingham Trent University, Nottingham-UK in years 2000 and 1996 respectively. He received his BEng in Computer Hardware Engineering from Iran's University of Science and Technology, Tehran-Iran in 1992. He was with the Faculty of Computer Science/ University of New Brunswick as project coordinator from early September 2004 till the end of September 2005. His previous academic positions were as follows: Assistant Professor in School of Computer Engineering Iran University of Science and Technology where he is currently an Assistant Professor and Director of the Intelligent Automation Laboratory. He teaches courses in under graduate, post graduate levels and supervises BEng, MSc, and PhD students. He has published a number of journals and conference papers and he was Reviewer for several conferences and journals. His research interests include network intrusion detection, machine learning, remote sensing and robotics.



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Karlstad University, Sweden)

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