Chapter I

An Overview

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Biography

Dr. Mehdi Khosrow-Pour is currently the Executive Director and President of the Information Resources Management Association (IRMA) and Senior Technology Editor for Idea Group, Inc. He is also the Editor in Chief of the Information Resources Management Journal (IRMJ), The Journal of Electronic Commerce in Organizations (JEKO), the Annals of Cases on Information Technology (ACIT), Information Management (IM), and Consulting Editor of the Information Technology Newsletter (ITN). He is the author/editor of more than 20 books on various topics of information technology utilization and management in organizations, and more than 50 journal articles.

Introduction

During the past two decades, the business world has witnessed a technological revolution known today as electronic commerce or e-commerce. This revolution has allowed businesses all over the world to conduct business in ways that were unimaginable two decades ago. Through the use of e-commerce technologies, businesses can share and
disseminate information electronically and conduct business online so consumers, regardless of their locations, can obtain goods and services from the businesses. Because of the many opportunities e-commerce technologies offer in today's competitive marketplace, it is essential for organizations to have e-commerce presence and effectively utilize the Internet to expand their businesses. With this Internet presence, ensuring security of their data and sales experiences is of paramount importance. Through the use of effective e-commerce security tools, business can increase their sales, reduce the cost of doing business, and at the same time increase customer service and satisfaction. These objectives cannot be easily achieved if the organization does not have a clear business strategy for its e-commerce initiatives and operations

E-Commerce Security

Although e-commerce technologies offer immense benefits, conducting any kind of online communications or transactions offers the potential for greater misuse of these technologies and even potential criminal activities. The issues of technology security and misuse are not only limited to e-commerce technologies, but rather are part of much broader issues affecting computer and information systems throughout the world. Each year, many organizations become the target of security-related crimes ranging from virus attacks to business fraud, including the theft of sensitive business information and confidential credit card information. These security attacks cost businesses millions of dollars and interrupt their operations. Many reporters and consultants estimate the cost of damages related to security breaches as billions of dollars. However, it is not the issue of the accuracy of the range of damages, but rather the fact that with the ever-increasing number of users of information systems, easy access to informa-
The Analysis of the Logistics Mode Decision to E-Commerce
[www.igi-global.com/article/analysis-logistics-mode-decision-commerce/73000?camid=4v1a](www.igi-global.com/article/analysis-logistics-mode-decision-commerce/73000?camid=4v1a)

Emerging Technologies for User-Friendly Mobile Payment Applications
[www.igi-global.com/chapter/emerging-technologies-for-user-friendly-mobile-payment-applications/101552?camid=4v1a](www.igi-global.com/chapter/emerging-technologies-for-user-friendly-mobile-payment-applications/101552?camid=4v1a)