
Journal of Information System Security is a publication of the Information Institute. The JISSec mission is to significantly expand the domain of information system security research to a wide and eclectic audience of academics, consultants and executives who are involved in the management of security and generally maintaining the integrity of the business operations.

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EDITORIAL

This Issue focuses on preventative methods and tools for Information Security, which are of paramount importance in this day and age.

The first paper, entitled “An Image of Information Security: Examining the Coping Process by Internet Users” is by Nirmalee Summers and Kent Marett from, respectively, the University of Wisconsin-La Crosse and the Mississippi State University, USA. It describes the security countermeasures that are available to Internet users and proceeds to analyse the preparation and selection of profitability strategies modeled by Image Theory with the coping appraisal variables modeled by Protection Motivation Theory to investigate behavioral intentions with more than one countermeasure

The second paper, by Shalvi Dave, Bhushan Trivedi, and Jimit Mahadevia from, respectively, Indus University; GLSICT, and Elitecore Technologies, in India is on “Application Profiling based on Attack Alert Aggregation”. The paper describes the various rules sets for Intrusion Detection/Prevention system’s (IDPS), and presents a new approach to aggregate alerts considering attack direction, application and type of application. An algorithm is formulated to tokenize and filter the rule set of an IDPS.

The third paper is an Industry Review entitled “A Perspective on the Evolution of Information System Security Audits: Challenges and Implications”, by Sunita Goel, Margaret Garnsey, and Qi Liu, from Siena College, USA, and Ingrid Fisher, from State University of New York at Albany Country, USA. It examines the evolution of IS security auditing and discusses how technology is impacting the audit profession, as rapid innovation in technology has forced the auditing profession to try and catch up with information technology.

All three papers are inter-connected and shed light on the rapidly moving scene of Information Technology Security and the reaction of professionals and systems in the race to protect firms and individuals alike in an increasingly electronic world.

I am sure that you will find reading this Issue a profitable experience.

Gurpreet Dhillon, Editor-in-Chief