Fig. 1
Design and Development of Enhanced Vulnerability Scoring System

Fig. 2
Fuzzy Heuristic Diagnosis of Web-based Vulnerabilities
Rule Analysis for Vulnerability Reports

Best Paper Award for Research Paper presented at the Fourth International Conference on Internet Monitoring and Protection 2009

Fuzzy Heuristic Design for Diagnosis of Web-Based Vulnerabilities

Best Paper Award for Research Paper presented at the Fourth International Conference on Internet Monitoring and Protection 2009
To design and develop a fuzzy rule-based software system that detects and reports with confidence levels, vulnerabilities and vulnerability variants in web-based applications. We adopt an approach allows the software system to be scaled in a manner independent of web technology and is in-line with industry trends for scanner output format standardization. The design of metrics and heuristics for different stages of the software system is one of the important parts of the research.