Computational Intelligence Methods for Fighting Crime

An Artificial Neural Network for Bank Robbery Risk Management: The OS.SI.F Web On-Line Tool of the ABI Anti-crime Department

Secure Judicial Communication Exchange Using Soft-computing Methods and Biometric Authentication

Identity Resolution in Criminal Justice Data: An Application of NORA

PTK: An Alternative Advanced Interface for the Sleuth Kit

Text Mining and Intelligence

Stalker, a Multilingual Text Mining Search Engine for Open Source Intelligence

Computational Intelligence Solutions for Homeland Security

Virtual Weapons for Real Wars: Text Mining for National Security

Hypermetric k-Means Clustering for Content-Based Document Management

Critical Infrastructure Protection

Security Issues in Drinking Water Distribution Networks

Trusted-Computing Technologies for the Protection of Critical Information Systems

A First Simulation of Attacks in the Automotive Network Communications Protocol FlexRay

Wireless Sensor Data Fusion for Critical Infrastructure Security


Monitoring and Diagnosing Railway Signalling with Logic-Based Distributed Agents

SeSaR: Security for Safety

Network Security

Automatic Verification of Firewall Configuration with Respect to Security Policy Requirements

Automated Framework for Policy Optimization in Firewalls and Security Gateways

An Intrusion Detection System Based on Hierarchical Self-Organization

Evaluating Sequential Combination of Two Genetic Algorithm-Based Solutions for Intrusion Detection

Agents and Neural Networks for Intrusion Detection

Cluster Analysis for Anomaly Detection

Statistical Anomaly Detection on Real e-Mail Traffic

On-the-fly Statistical Classification of Internet Traffic at Application Layer Based on Cluster Analysis

Flow Level Data Mining of DNS Query Streams for Email Worm Detection

Adaptable Text Filters and Unsupervised Neural Classifiers for Spam Detection

A Preliminary Performance Comparison of Two Feature Sets for Encrypted Traffic Classification

Dynamic Scheme for Packet Classification Using Splay Trees

A Novel Algorithm for Freeing Network from Points of Failure

Biometry

A Multi-biometric Verification System for the Privacy Protection of Iris Templates
Score Information Decision Fusion Using Support Vector Machine for a Correlation Filter Based Speaker Authentication System p. 235

Application of 2DPCA Based Techniques in DCT Domain for Face Recognition p. 243

Fingerprint Based Male-Female Classification p. 251

BSDT Multi-valued Coding in Discrete Spaces p. 258

A Fast and Distortion Tolerant Hashing for Fingerprint Image Authentication p. 266

The Concept of Application of Fuzzy Logic in Biometric Authentication Systems p. 274

Information Protection

Bidirectional Secret Communication by Quantum Collisions p. 280

Semantic Region Protection Using Hu Moments and a Chaotic Pseudo-random Number Generator p. 286

Random r-Continuous Matching Rule for Immune-Based Secure Storage System p. 294

Industrial Perspectives

nokLINK: A New Solution for Enterprise Security p. 301


Author Index p. 317

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.