

WICT14: December 2014, Melaka, Malaysia

Emerging Computer Security Issues and Solutions

Rationale and Objective of the Symposium

The shift from stand-alone environment to networked and distributed environments (grid, cloud) has inadvertently brought new threats and invited many new attacks. This shift also has seen the traditional methods of solving security problems have been extended to include intelligent paradigms in order to make the solution more robust and reliable. Finding effective ways to protect information systems, networks and sensitive data within the critical information infrastructure is challenging even with the most advanced technology and trained professionals. The Symposium aims to bring together researchers, practitioners, developers, and policy makers involved in multiple disciplines of computer security and information assurance to exchange ideas and to learn the latest development in this important field.

The objectives of the symposium are as follow:

- 1) To present and discuss the recent emerging security issues and the current approaches to address these issues
- 2) To provide platform for academia and practitioners to exchange ideas and discuss on the issues related to cybercrime and defense mechanisms

Specific topics of interest

Recommended topics include but are not limited to the following:

Information Assurance, Security Mechanisms and Security Management

- Authentication and Identity
- Management Authorization and Access Control
- Trust Negotiation, Establishment and Management
- Anonymity and User Privacy
- Data Integrity and Privacy
- Operating System Security
- Database Security
- Intrusion Detection and Prevention
- Security Oriented System Design
- Security Management and Strategy
- Security Verification, Evaluations and Measurements
- Secure Software Technologies

- New Ideas and Paradigms for Security
- Cryptography and Cryptanalysis
- Cryptographic Protocols
- Malware Analysis
- Key Management and Recovery
- Disaster Recovery
- Security Policies and Trust Management

Secure System Architectures and Security Application

- Network Security
- Web Services Security
- Grid Security
- Cloud Computing Security
- Ubiquitous Computing Security
- Mobile Agent Security
- Network (MANET, VANET, WSN etc) and Internet Security
- Intellectual Property Protection
- E-Commerce Security
- E-Government Security
- E-Health Security
- Home System Security
- Biometrics Security and Applications
- Secure Hardware and Smartcards

Image and Multimedia Security

- Multimedia Security
- Multimedia Forensic
- Digital Watermarking and DRM
- Steganography and Steganalysis
- Biometrics
- Feature Extraction and Feature Selection

Program Committee :

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