

2012 Seventh Asia Joint Conference on Information Security

(Asia JCIS 2012)

**Tokyo, Japan
9 – 10 August 2012**



IEEE Catalog Number: CFP1233T-PRT
ISBN: 978-1-4673-2261-4

2012 Seventh Asia Joint Conference on Information Security

AsiaJCIS 2012

Table of Contents

Preface.....	vii
Conference Committees and Reviewers.....	viii

Session 1

Reversible Data Hiding for JPEG Based on EMD	1
<i>Wen-Chung Kuo and Shao-Hung Kuo</i>	
An Efficient Lossless Data Hiding Scheme on VQ Index Coding	6
<i>Chin-Feng Lee, Ming-Chi Shih, and Cheng-Ta Huang</i>	
Strong Tamper-Localization, Visual Secret Sharing Scheme Based on Exploiting Modification Direction	10
<i>Chin-Chen Chang, Ngoc-Tu Huynh, and Chia-Chun Lin</i>	

Session 2

SSL/TLS Status Survey in Japan - Transitioning against the Renegotiation Vulnerability and Short RSA Key Length Problem	17
<i>Yuji Suga</i>	
Proposal of a Secure WEP Operation against Existing Key Recovery Attacks and its Evaluation	25
<i>Tsubasa Tsukaune, Yosuke Todo, and Masakatu Morii</i>	
An Analysis of Security Patch Lifecycle Using Google Trend Tool	31
<i>Chien-Ting Kuo, He-Ming Ruan, Shih-Jen Chen, and Chin-Laung Lei</i>	
Synthesis of Secure Passwords	35
<i>Tomoki Sato and Hiroaki Kikuchi</i>	

Session 3

Mobile Friendly and Highly Efficient Remote User Authenticated Key Agreement Protocol Featuring Untraceability	38
<i>Chin-Chen Chang, Hai-Duong Le, and Ching-Hsiang Chang</i>	
PDAF: Proactive Distributed Authentication Framework for Regional Network	44
<i>Ruidong Li, Masaaki Ohnishi, Yasunori Owada, and Hiroaki Harai</i>	

Fast-Refreshing Tree-Based Group Key Agreement for Mobile Ad Hoc Networks	51
<i>Chung-Wei Chen, Shiu-Jeng Wang, Yuh-Ren Tsai, and Hsing-Chung Chen</i>	
Analysis of an eHealth Care System with Smart Card Based Authentication	59
<i>Kuo-Hui Yeh, N.W. Lo, Tzong-Chen Wu, Ta-Chi Yang, and Horng-Twu Liaw</i>	
Session 4	
DroidMat: Android Malware Detection through Manifest and API Calls Tracing	62
<i>Dong-Jie Wu, Ching-Hao Mao, Te-En Wei, Hahn-Ming Lee, and Kuo-Ping Wu</i>	
A Study on Method to Analyze Application on Bada Using GUI without Source Code	70
<i>Hanjae Jeong and Dongho Won</i>	
Geographical Visualization of Malware Download for Anomaly Detection	74
<i>Naoki Hiroguchi, Khamphao Sisaat, Hiroaki Kikuchi, and Surin Kittitornkun</i>	
Multipurpose Network Monitoring Platform Using Dynamic Address Assignment	79
<i>Masashi Eto, Daisuke Inoue, Mio Suzuki, and Koji Nakao</i>	
Session 5	
Survey on Cloud Data Integrity Proof Techniques	85
<i>Solomon Guadie Worku, Zhong Ting, and Qin Zhi-Guang</i>	
Data Integrity on Remote Storage for On-line Co-working	92
<i>He-Ming Ruan, Yu-Shian Chen, and Chin-Laung Lei</i>	
Attack Sequence Detection in Cloud Using Hidden Markov Model	100
<i>Chia-Mei Chen, D.J. Guan, Yu-Zhi Huang, and Ya-Hui Ou</i>	
Flaw and Configuration Analysis of Cloud Component Using First Order Logic	104
<i>Ruo Ando</i>	
Author Index	109