

ISSN: 2153-1234

Vol. 6, No. 4, October 2015



Journal of Information Security



ISSN: 2153-1234



www.scirp.org/journal/jis

Journal Editorial Board

ISSN: 2153-1234 (Print) ISSN: 2153-1242 (Online)

<http://www.scirp.org/journal/jis>

Editor-in-Chief

Prof. Gyungho Lee

Korea University, South Korea

Editorial Board (According to Alphabet)

Prof. Chris Cannings	University of Sheffield, UK
Dr. Xiaochun Cheng	Middlesex University, UK
Dr. Ashraf Darwish	Helwan University, Russia
Prof. Javier Diaz-Carmona	Instituto Tecnológico de Celaya, Mexico
Prof. Marina L. Gavrilova	University of Calgary, Canada
Prof. Vic Grout	Glyndwr University, UK
Prof. Le Gruenwald	University of Oklahoma, USA
Prof. Sun-Yuan Hsieh	National Cheng Kung University, Chinese Taipei
Prof. Lucas Chi Kwong Hui	The University of Hong Kong, China
Prof. Min-Shiang Hwang	National Chung Hsing University, Chinese Taipei
Prof. Jiejun Kong	Beijing Institute of Technology, China
Dr. Fagen Li	University of Electronic Science and Technology of China, China
Prof. Giannis F. Marias	Athens University of Economics and Business, Greece
Prof. Stavros D. Nikolopoulos	University of Ioannina, Greece
Prof. Changwoo Pyo	Hongik University, South Korea
Prof. John A. Springer	Purdue University, USA
Prof. Sofiene Tahar	Concordia University, Canada
Prof. Lina Wang	Wuhan University, China
Dr. Ronald D. Williams	University of Virginia, USA

Table of Contents

Volume 6 Number 4

October 2015

Information Security and the Theory of Unfaithful Information

A. P. Pernebekova, B. A. Ahbergenovich.....265

**Enhanced Contrast of Reconstructed Image for Image Secret Sharing Scheme Using
Mathematical Morphology**

Y. K. Meghrajani, H. S. Mazumdar.....273

Journal of Information Security (JIS)

Journal Information

SUBSCRIPTIONS

The *Journal of Information Security* (Online at Scientific Research Publishing, www.SciRP.org) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$79 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

COPYRIGHT AND REUSE RIGHTS FOR THE FRONT MATTER OF THE JOURNAL:

Copyright © 2015 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY).

<http://creativecommons.org/licenses/by/4.0/>

COPYRIGHT FOR INDIVIDUAL PAPERS OF THE JOURNAL:

Copyright © 2015 by author(s) and Scientific Research Publishing Inc.

REUSE RIGHTS FOR INDIVIDUAL PAPERS:

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

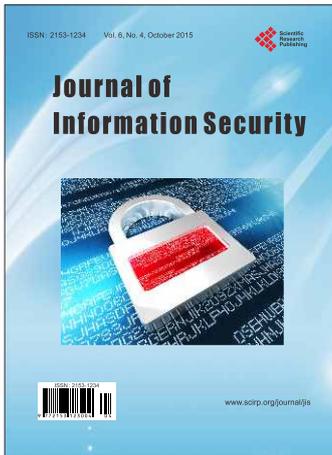
DISCLAIMER OF LIABILITY

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: jis@scirp.org



Journal of Information Security

ISSN 2153-1234 (Print) ISSN 2153-1242 (Online)
<http://www.scirp.org/journal/jis>

JIS, a quarterly journal, publishes research and review articles in all important aspects of information security. Both experimental and theoretical papers are acceptable provided they report important findings, novel insights, or useful techniques in these areas.

Editor-in-Chief

Prof. Gyungho Lee

Korea University, South Korea

Subject Coverage

JIS aims to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in different areas of information security. All manuscripts submitted to JIS must be previously unpublished and may not be considered for publication elsewhere at any time during JIS's review period. Additionally, accepted ones will immediately appear online followed by printed in hard copy. The topics to be covered by Journal of Information Security include, but are not limited to:

Access Control	Intrusion Detection
Anti-Virus and Anti-Worms	Key Management and Key Recovery
Authentication and Authorization	Language-Based Security
Biometric Security	Network Security
Cryptography	Operating System Security
Data and System Integrity	Risk Evaluation and Security Certification
Database Security	Security and Privacy for Social Computing
Distributed Systems Security	Security Evaluation
Electronic Commerce Security	Security for Mobile Computing
Fraud Control	Security Models
Grid Security	Security Protocols
Information Hiding and Watermarking	Signature and Key Agreement Protocol
Information Privacy	Software Security
Information Security Engineering	System Security
Intellectual Property Protection	Trusted Computing and Trustworthy Computing Technology

We are also interested in short papers (letters) that clearly address a specific problem, and short survey or position papers that sketch the results or problems on a specific topic. Authors of selected short papers would be invited to write a regular paper on the same topic for future issues of the *JIS*.

Notes for Intending Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. For more details about the submissions, please access the website.

Website and E-Mail

<http://www.scirp.org/journal/jis>

E-mail: jis@scirp.org