



Journal of Information Security



Journal Editorial Board

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

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

.....

Editor-in-Chief

Prof. Gyungho LeeKorea University, South Korea

Editorial Board (According to Alphabet)

Prof. Chris CanningsUniversity of Sheffield, UKDr. Xiaochun ChengMiddlesex University, UKDr. Ashraf DarwishHelwan University, Russia

Prof. Javier Diaz-Carmona Instituto Tecnologico 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 KongBeijing 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 TaharConcordia University, CanadaProf. Lina WangWuhan University, ChinaDr. Ronald D. WilliamsUniversity of Virginia, USA



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

Table of Contents

Volume 8	Number 3	July 2017
	Soft Design Science Methodology for Improving Develor ormation System in Tanzania Using Multi-Layered Appr	
M. Mshangi, E.	. N. Nfuka, C. Sanga	141
	ytical Hierarchy Process Model in the Prioritization of I ense In-Depth Measures?—A Quantitative Study	nformation
R. Alexander		166
Age Invariant F	ace Recognition Using Convolutional Neural Networks	and Set Distances
H. El Khiyari, I	H. Wechsler	174
A Survey on Di Image Steganal	fferent Feature Extraction and Classification Techniques	s Used in
J. Babu, S. Ran	gu, P. Manogna	186
Attribute-Based	l Secure Data Sharing with Efficient Revocation in Fog (Computing
A. Alotaibi, A. I	Barnawi, M. Buhari	203
Private Persona	l Information Verification	
H. G. Do, W. K	Z. Ng	223
On the Use of B	Benford's Law to Detect JPEG Biometric Data Tampering	g
I. Aamo, S. F.	Caleb	240
Optimized Hon	nomorphic Scheme on Map Reduce for Data Privacy Pre	eserving
K. Martin, W.	Y. Wang, B. Agyemang	257
Do ICMP Secur	rity Attacks Have Same Impact on Servers?	
G. R. Gunnam,	S. Kumar	274

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 © 2017 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 © 2017 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

Call for Papers



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

Anti-Virus and Anti-Worms

Authentication and Authorization

Biometric Security

Cryptography

Data and System Integrity

Database Security

Distributed Systems Security

Electronic Commerce Security

Fraud Control
Grid Security

Information Hiding and Watermarking

Information Privacy

Information Security Engineering

Intellectual Property Protection

Intrusion Detection

Key Management and Key Recovery

Language-Based Security

Network Security

Operating System Security

Risk Evaluation and Security Certification

Security and Privacy for Social Computing

Security Evaluation

Security for Mobile Computing

Security Models

Security Protocols

Signature and Key Agreement Protocol

Software Security

System Security

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

What is SCIRP?

Scientific Research Publishing (SCIRP) is one of the largest Open Access journal publishers. It is currently publishing more than 200 open access, online, peer-reviewed journals covering a wide range of academic disciplines. SCIRP serves the worldwide academic communities and contributes to the progress and application of science with its publication.

What is Open Access?

All original research papers published by SCIRP are made freely and permanently accessible online immediately upon publication. To be able to provide open access journals, SCIRP defrays operation costs from authors and subscription charges only for its printed version. Open access publishing allows an immediate, worldwide, barrier-free, open access to the full text of research papers, which is in the best interests of the scientific community.

- High visibility for maximum global exposure with open access publishing model
- Rigorous peer review of research papers
- Prompt faster publication with less cost
- Guaranteed targeted, multidisciplinary audience





Website: http://www.scirp.org Subscription: sub@scirp.org Advertisement: service@scirp.org