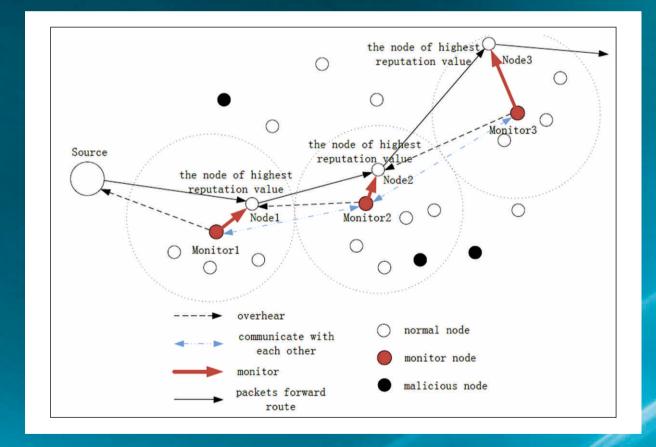
Vol. 6, No. 11, November 2014



WIRELESS SENSOR NETWORK





www.scirp.org/journal/wsn

Journal Editorial Board

ISSN 1945-3078 (Print) ISSN 1945-3086 (Online)

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

Editors-in-Chief

Prof. Kosai Raoof Prof. Min Song University of Maine, France The University of Toledo, USA

Managing Executive Editor

Dr. Yang Po

University of Salford, UK

Editorial Board

Prof. Zhong-Yang Cheng Auburn Un	iversity, USA
Prof. Jong-Wha Chong Hanyang U	niversity, South Korea
Prof. Peter Han Joo Chong Nanyang T	echnological University, Singapore
Dr. Ashraf Darwish Helwan Ur	iversity, Egypt
Dr. Arjan Durresi Indiana Un	iversity-Purdue University Indianapolis, USA
Dr. Ali M. El Kateeb The Univer	sity of Michigan-Dearborn, USA
Dr. Jeffrey J. Evans Purdue Un	iversity, USA
Prof. Paloma R. Horche Universida	d Politécnica de Madrid, Spain
Dr. Li Huang Interunivez	sity Microelectronics Centre, The Netherlands
Dr. Badii Jouaber Telecom St	udParis, France
Dr. Jingpeng Li The Univer	rsity of Nottingham, UK
Dr. Juan Luo Hunan Uni	versity, China
Dr. Bala Natarajan Kansas Sta	te University, USA
Prof. Shaharuddin Salleh University	Technology Malaysia, Malaysia
Prof. Mu-Chun Su National C	entral University, Chinese Taipei
Dr. Preetha Thulasiraman Naval Post	graduate School, USA
Prof. Gui Yun Tian University	of Newcastle, UK
Dr. Liang Wang Pacific No.	rthwest National Laboratory, USA
Dr. Qing Zhu Fujifilm D	imatix, Inc., USA
Dr. Zhenyun Zhuang Internap, I	nc., USA



Table of Contents

Volume 6 Number 11

November 2014

Detection of Insider Selective Forwarding Attack Based on Monitor Node and Trust Mechanism in WSN	
Y. Hu, Y. M. Wu, H. S. Wang	237
A Novel Data Preparation Approach for Target Based Association Rule Mining	
P. Singh, R. K. Gupta	249

The figure on the front cover is from the article published in Wireless Sensor Network, 2014, Vol. 6, No. 11, pp. 237-248 by Yu Hu, Yuanming Wu and Hongshuai Wang.

Wireless Sensor Network (WSN)

Journal Information

SUBSCRIPTIONS

The *Wireless Sensor Network* (Online at Scientific Research Publishing, <u>www.SciRP.org</u>) is published monthly by Scientific Research Publishing, Inc., USA.

Subscription rates: Print: \$89 per issue. To subscribe, please contact Journals Subscriptions Department, E-mail: <u>sub@scirp.org</u>

SERVICES

Advertisements Advertisement Sales Department, E-mail: <u>service@scirp.org</u>

Reprints (minimum quantity 100 copies) Reprints Co-ordinator, Scientific Research Publishing, Inc., USA. E-mail: <u>sub@scirp.org</u>

COPYRIGHT

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

Copyright © 2014 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 © 2014 by author(s) and Scientific Research Publishing Inc.

REUSE RIGHTS FOR INDIVIDUAL PAPERS:

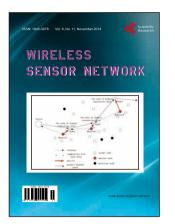
Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

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: <u>wsn@scirp.org</u>



Wireless Sensor Network (WSN)

http://www.scirp.org/journal/wsn ISSN 1945-3078 (Print) ISSN 1945-3086 (Online)

WSN is an international refereed journal dedicated to the latest advancement of wireless sensor network and applications. The goal of this journal is to keep a record of the state-of-the-art research and promote the research work in these areas.

🗇 Editors-in-Chief

Prof. Kosai Raoof Prof. Min Song University of Maine, France The University of Toledo, USA

Subject Coverage

This journal invites original research and review papers that address the following issues in wireless sensor networks. Topics of interest are (but not limited to):

- Data Fusion and Dynamic Inference of Network Information
- Integration of Sensor Networks and Web-Based Services
- Interconnection Architecture Aspects
- Location and Time Services
- Network and Transport Layer Protocols for Cross Networks
- New Applications of Sensor Network: Environmental Monitoring, Healthcare, Home Automation
- QoS Issues in WSN-Based Integrated Networks
- Reliability of Sensor Network and Failure Analysis
- Routing Protocols for Cross Networks
- Sensor Network for Smart Grid
- Sensor Tasking, Control and Actuation
- Sensor Technology
- Testbeds for Integrated Networks

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 WSN.

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. Authors are responsible for having their papers checked for style and grammar prior to submission to WSN. Papers may be rejected if the language is not satisfactory. For more details about the submissions, please access the website.



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



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?

Art and Design Review

Advances in

dvances in Biologica

Entomolog

Applied Mathematics

Engineering

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

Soft

- 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