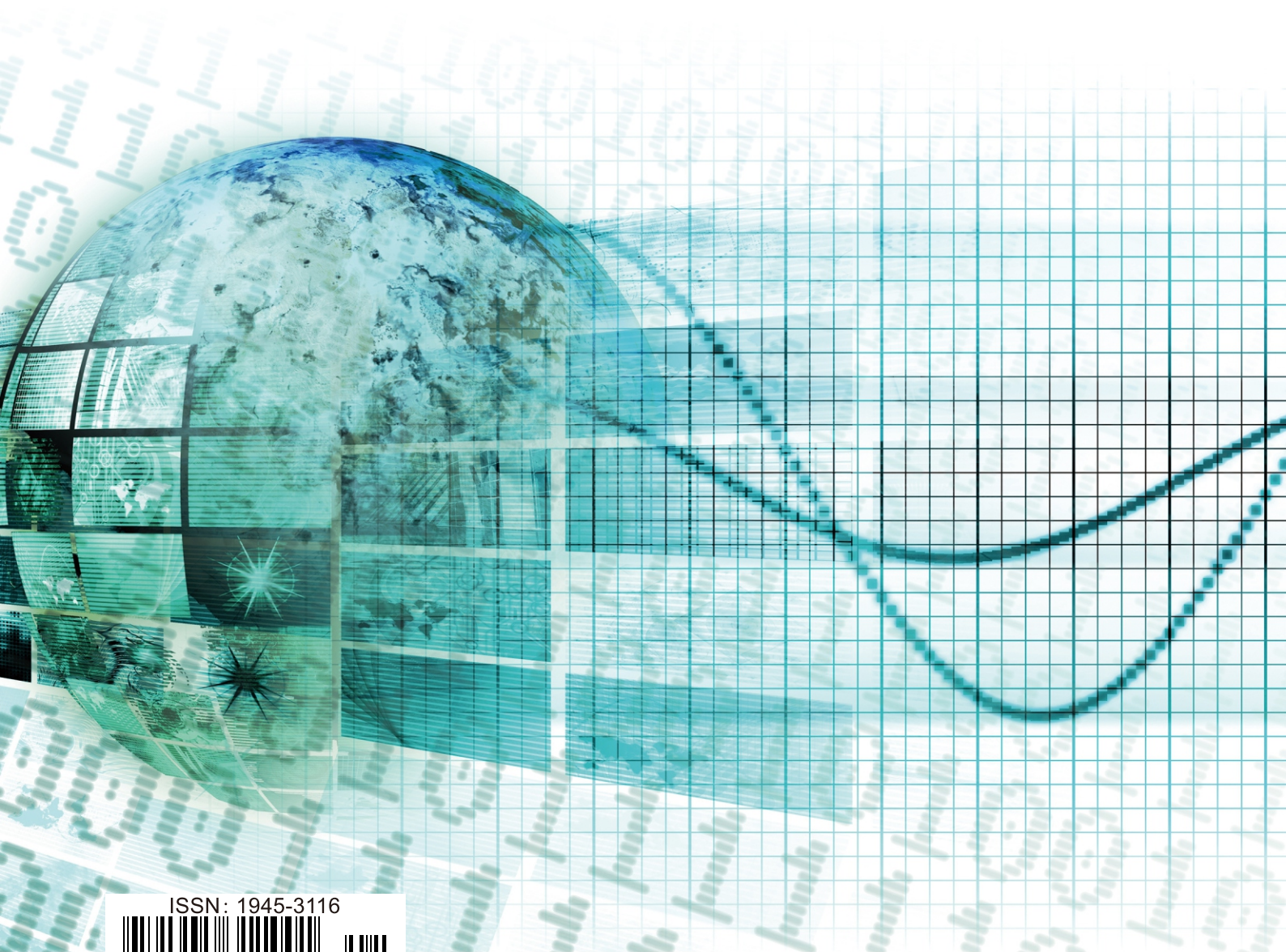


ISSN: 1945-3116

Volume 11, Number 1, January 2018



Journal of Software Engineering and Applications



ISSN: 1945-3116



www.scirp.org/journal/jsea

Journal Editorial Board

ISSN 1945-3116 (print) ISSN 1945-3124 (online)

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

Editor-in-Chief

Prof. Yashwant K. Malaiya Colorado State University, USA

Editorial Board

Dr. Nicoletta Adamo-Villani Purdue University, USA
Prof. Kuang-Hua Chang The University of Oklahoma, USA
Dr. Calvin Yu-Chian Chen China Medical University, China
Dr. Kim-Kwang Raymond Choo University of South Australia, Australia
Prof. Steven A. Demurjian The University of Connecticut, USA
Dr. Phan H. Giang George Mason University, USA
Dr. Zonghua Gu Zhejiang University, China
Dr. Nabil Hameurlain University of Pau, France
Dr. Wolfgang Herzner Austrian Institute of Technology, Austria
Dr. Jacky Wai Keung City University of Hong Kong, China
Dr. Mitsuhiro Kimura Hosei University, Japan
Prof. Chang-Hwan Lee Dongguk University, South Korea
Prof. Anthony F. Norcio University of Maryland, USA
Dr. Indrajit Saha National Institute of Technical Teachers' Training & Research, Kolkata, India
Prof. Janche Sang Cleveland State University, USA
Prof. Chintakindi Sanjay GITAM University, India
Prof. Midthe V. Srinath Mahendra Engineering College, India
Dr. Eliot Winer The Iowa State University, USA
Dr. Yongfeng Yin School of Reliability and System Engineering, Beihang University (BUAA), China
Prof. Xin Yuan Florida State University, USA

Table of Contents

Volume 11 Number 1

January 2018

Agile Development: Exploring What Practitioners Want to Know

N. C. Surendra, S. Nazir.....1

**A FORTRAN Software Application to Decode Geographical, Lithological, Political,
and Bibliographical Information from the IGBADAT International Database on Igneous Rocks**

A. T. Al-Mishwat.....12

On the Dependability of Highly Heterogeneous and Open Distributed Systems

N. H. Minsky.....28

Journal of Software Engineering and Applications (JSEA)

Journal Information

SUBSCRIPTIONS

The *Journal of Software Engineering and Applications* (Online at Scientific Research Publishing, www.SciRP.org) is published monthly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$89 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 © 2018 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 © 2018 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.

SPONSOR:

International School of Software, Wuhan University (iss.whu.edu.cn).

PRODUCTION INFORMATION

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

E-mail: jsea@scirp.org

Call for Papers



Journal of Software Engineering and Applications (JSEA)

ISSN 1945-3116 (print) ISSN 1945-3124 (online)
<http://www.scirp.org/journal/jsea>

JSEA is a professional journal in the field of software engineering and application. The goal of this journal is to provide an international platform for engineers and academicians all over the world to promote, share, and discuss various new issues and development in the field of software engineering. It is an archival publication to disseminate the results of fundamental and applied research, especially those relevant to software engineering. This journal aims to encourage deeper understanding and greater effectiveness in the theory analysis and engineering application relevant to software engineering fields.

Subject Coverage

All manuscripts must be prepared in English, and are subject to a rigorous and fair peer-review process. Accepted papers will immediately appear online followed by printed hard copy. The journal publishes original papers including but not limited to the following fields:

Automated Software Design and Synthesis
Automated Software Specification
Component-Based Software Engineering
Computer-Supported Cooperative Work
Formal Methods
Knowledge Acquisition
Object-Oriented Technology
Patterns and Frameworks
Process and Workflow Management
Program Understanding Issues
Programming Languages and Software Engineering
Reflection and Metadata Approaches
Reliability and Fault Tolerance

Requirements Engineering
Reverse Engineering
Software Architecture
Software Design Methods
Software Domain Modeling and Meta-Modeling
Software Engineering Decision Support
Software Engineering Education
Software Maintenance and Evolution
Software Process Modeling
Software Quality
Software Reuse
Software Testing
Tutoring, Help, Documentation Systems

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 JSEA.

Notes for Prospective Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. 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/jsea>

E-mail: jsea@scirp.org