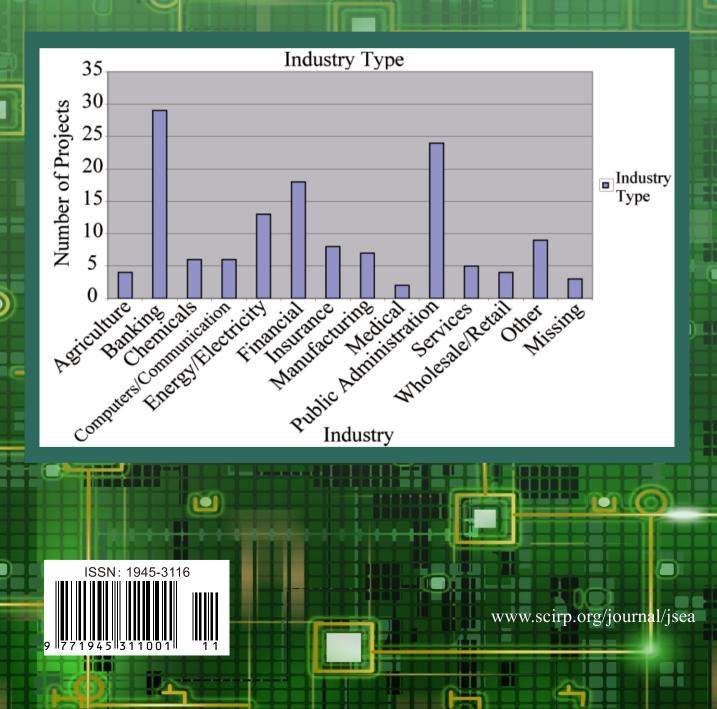


JOURNAL OF SOFTWARE ENGINEERING AND APPLICATIONS



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
Executive Editor in Chief	
Prof. Yanxiang He	Wuhan University, China
Editorial Advisory Board	
Prof. Hengda Cheng	Utah State University, USA
Dr. Mengchi Liu	Carleton University, Canada
Prof. Yi Pan	Georgia State University, USA

Editorial Board (According to Alphabet)

Dr. Ognjen Arandjelović	University of Cambridge, UK	
Dr. Cinzia Bernardeschi	University of Pisa, Italy	
Prof. Stéphane Bordas	Cardiff University, UK	
Prof. Marinus G. J. van den Brand	Eindhoven University of Technology, Netherlands	
Prof. Guoliang Chen	University of Science and Technology of China, China	
Dr. Kim-Kwang Raymond Choo	University of South Australia, Australia	
Prof. Steven A. Demurjian	The University of Connecticut, USA	
Dr. Zonghua Gu	Zhejiang University, China	
Prof. James Kwangjune Hahn	The George Washington University, USA	
Dr. Nabil Hameurlain	University of Pau, France	
Prof. Keqing He	Wuhan University, China	
Dr. Wolfgang Herzner	Austrian Institute of Technology, Austria	
Dr. Vassilios (Bill) Karakostas	City University, UK	
Prof. Chang-Hwan Lee	Dongguk University, Korea (South)	
Dr. Weiping Li	Peking University, China	
Prof. Kasi Periyasamy	University of California, USA	
Prof. Miodrag Potkonjak	University of Wisconsin-La Crosse, USA	
Dr. Ruben Prieto-Diaz	James Madison University, Spain	
Prof. Juergen Rilling	Concordia University, Canada	
Prof. Michael Ryan	Dublin City University, Ireland	
Dr. Midthe V. Srinath	Anna University, India	
Dr. Ladan Tahvildari	University of Waterloo, Canada	
Prof. Shi Ying	Wuhan University, China	
Prof. Xin Yuan	Florida State University, USA	
Dr. Mao Zheng	University of Wisconsin-La Crosse, USA	

Editorial Assistant

Alline Xiao



TABLE OF CONTENTS

Volume 4	Number 11	November 2011
A Petri Net M	lodel for Part Sequencing and Robot Moves Sequence	e in a 2-Machine Robotic Cell
M. Fathian, I.	N. Kamalabadi, M. Heydari, H. Farughi	
Knowledge M	Ianagement of Software Productivity and Developme	nt Time
J. A. Rodger,	P. Pankaj, A. Nahouraii	
Business Proc	cess Modeling Based on Norm	
J. Zhao, X. X	. Wang	
Extending Ex	treme Programming User Stories to Meet ISO 9001 I	Formality Requirements
M. Qasaimeh,	, A. Abran	
Defect Predic	tion Leads to High Quality Product	
N. Azeem, S.	Usmani	
A Suggested 7	Theoretical Framework for Software Project Success	
H. Tarawneh.		

The figure on the front cover is from the article published in Journal of Software Engineering and Applications, 2011, Vol. 4, No. 11, pp. 609-618 by James A. Rodger, Pankaj Pankaj and Ata Nahouraii.

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: \$59 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©2011 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

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 assumes 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: jsea@scirp.org

Call for Papers



Journal of Software Engineering and Applications (JSEA)

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

JSEA publishes four categories of original technical articles: papers, communications, reviews, and discussions. Papers are well-documented final reports of research projects. Communications are shorter and contain noteworthy items of technical interest or ideas required rapid publication. Reviews are synoptic papers on a subject of general interest, with ample literature references, and written for readers with widely varying background. Discussions on published reports, with author rebuttals, form the fourth category of JSEA publications.

Subject Coverage

- 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
- Programming Languages and Software Engineering
- Program Understanding Issues
- 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

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