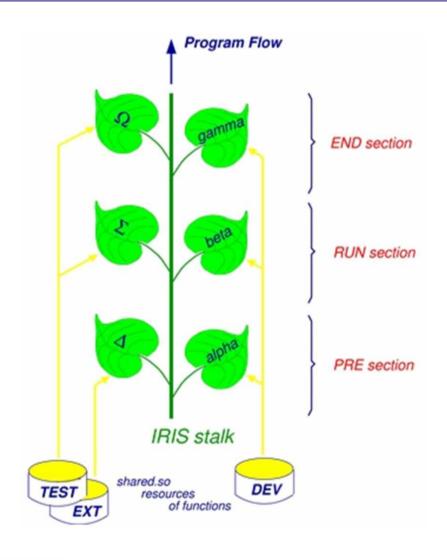




Journal of Software Engineering and Applications





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

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. GiangDr. Zonghua GuGeorge Mason University, USAZhejiang University, China

Dr. Nabil Hameurlain University of Pau, France

Prof. 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

Prof. Janche Sang Cleveland State University, USA

Prof. Midthe V. Srinath Mahendra Engineering College, India

Dr. Eliot Winer The Iowa State University, USA
Prof. Xin Yuan Florida State University, USA



Table of Contents

Volume 8 Number 4	April 2015
The IRIS Development Platform and Proposed Object-Oriented Data Base	
MO. Dima	167
Quantifying Reusability of Object Oriented Design: A Testability Perspective	
M. Huda, Y. D. S. Arya, M. H. Khan	175
Reusable Function Discovery by Call-Graph Analysis	
D. Zhao, L. Miao, D. F. Zhang	184
Automatic Synchronization of Common Parameters in Configuration Files	
M. M. Emmanuel, M. N. Ibrahim	192
ADTEM-Architecture Design Testability Evaluation Model to Assess Software Architecture Based on Testability Metrics	
A. Hudaib, F. Al-Zaghoul, M. Saadeh, H. Saadeh	201
E-Government Strategy and Plans in Jordan	
Y. Kh. Majdalawi, T. Almarabeh, H. Mohammad, W. Quteshate	211
A Blind DWT-SCHUR Based Digital Video Watermarking Technique	
L. Rajab, T. Al-Khatib, A. Al-Haj	224
Metric Based Testability Estimation Model for Object Oriented Design: Quality Perspective	
M. Huda, Y. D. S. Arya, M. H. Khan	234

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 © 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.

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

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