

Research in Information Technology

The Bi-annual Publication of the ACM Special Interest Group for Information Technology Education

In This Issue:

he Editor's Note	1
Information for Authors	2
Feature Article: "On the Design and Development of a Domain Based Integrated Knowledge Repository," by David Lublings, Coorge Widmover	
Integrated Knowledge Repository," by David Lubliner, George Widmeyer and Fadi P. Deek, New Jersey Institute of Technology	4

Editorial Board

Editor-in-Chief

Rob Friedman, New Jersey Institute of Technology email: friedman@njit.edu

Associate Editors

Daniel Benjamin, American Public University System
Jeff Brewer, Purdue University
Jim Leone, Rochester Institute of Technology
Peng Li, East Carolina University
Jon Preston, Clayton University
Han Reichgelt, Southern Polytechnic State University
Mark Stockman, University of Cincinnati

January 2010 Volume 7, Issue 1 ISSN: 1944-0278

The Editor's Note

Happy New Year from the officers and Executive Committee of SIGITE, and the editors of Research in Information Technology. We welcome 2010 with great enthusiasm, in no small part due to the new publishing opportunities that SIGITE's RIT presents to our readers, SIG members and all others interested in developing and disseminating fresh ideas and new knowledge based on our scholarly pursuits in user-centered computing. Our mission is to publish peer-reviewed articles that present original research findings germane to the theories and practices of information technology. We seek papers that present substantive additions, comments and challenges to the theory and practice of programming, networking, information management, web systems and user-centered design. Research in IT has two short-term goals. As a young publication, we intend to publish influential papers that, through the ACM Digital Library, contribute to the establishment of an impact factor. We also intend to create a collegial workspace online, where your colleagues can help grow and refine your developing ideas. Keep Research in IT in mind when considering where to place your next article. We also encourage you to consider commenting on or responding to what you read here or elsewhere through letters to the editor or response statements to our authors.

Information for Authors

Mission

Research in IT is a publication of the ACM SIG for Information Technology Education (SIGITE). It welcomes submissions of articles for peer review that present original research findings that are germane to the theories and practices of information technology as a scholarly discipline within the computing education community. Papers that present substantive additions, comments and challenges to the theory and practice of programming, networking, information management, web systems and user-centered design in rigorous ways should be addressed to the Editor-in-Chief.

Research in IT is published twice a year, in January and July. Submissions received at least three months prior to an issue date (October 1 for January, April 1 for July) will be considered for those issues. Because articles will be archived in the ACM Digital Library, submissions must include:

- An abstract: a concise and precise statement of the main points of the article, limited to one hundred words in length.
- Appropriate ACM Classification and Descriptors as found on the ACM URL (link at http://www.acm.org/about/class/1998).
- One or more General Term as found on the ACM URL (link at http://www.acm.org/about/class/1998).
- Three to five keywords related to the main topics of your article.

Formatting Guidelines

When you submit a paper to *Research in IT*, please attend to these specifications:

Fonts

Title: Ten or fewer words; 18-point bold Arial or Helvetica.

Author(s) Name(s): 12-point bold Arial or Helvetica.

Author information: 9-point Arial or Helvetica indicating complete postal and 10-point Arial or Helvetica for electronic addresses for all authors.

The Body: 9-point Times New Roman throughout.

Section and Sub-section Headings: **12-point bold Times New Roman**. Use all CAPS for section headings. Use mixed case fonts for all subheadings.

Layout

Paper size: Letter: 8.5 by 11 inches.

Margins: 0.75 inch for left and right margins; 1.0 inch for top and bottom margins. Center the title and author information; full justification thereafter.

The body of the article is to be in two-column format, each 3.33 inches, with a 0.34-inch separator.

Figures

Figure captions should be in 9-point Times New Roman Bold, numbered consecutively and centered below figures.

Tables

Table captions should be in 9-point Times New Roman Bold, numbered consecutively and centered above tables.

References

All references used within the document and the description of citations must conform to the style currently used in the *Communications of the ACM*.

Length

Articles submitted to *Research in IT* should not exceed ten thousand words and should not exceed thirty pages, inclusive of diagrams, figures, tables, images, and appendices.

Tranmittal

Submissions should be sent via email attachment in MS Word only to the Editor-in-Chief. When there are multiple authors, the submitting author should copy all the others. Only the submitting author will be responsible for communicating with the editors and reviewers. Authors' names and any other identifying information will be excised before the paper is sent out for review.

Review Process

Research in IT reviews submissions in two ways: editor review and peer review. Every article submitted is read by the Editor-in-Chief to ascertain its appropriateness to the mission of the publication and the general interests of our readership. The paper is then distributed to at least two Associate Editors or other reviewers who have domain expertise. Submitting authors will receive, via email, reviewers' comments and a publication decision: accept as is; accept with revision based on review comments; or reject. If revisions are required, then the submitting author will be responsible for incorporating comment-based changes or revising relevant sections of the paper to demonstrate the validity of the original and/or why specific comments are not being addressed. The Editor-in-Chief has the discretion to request further and/or additional modifications; an 'accept with revisions' decision is not a guarantee of publication.

ACM Notice to Contributing Authors

By submitting your article for distribution in this Special Interest Group publication, you hereby grant to ACM the following nonexclusive, perpetual, worldwide rights:

- to publish in print on condition of acceptance by the editor
- to digitize and post your article in the electronic version of this publication
- to include the article in the ACM Digital Library
- to allow users to copy and distribute the article for noncommercial, educational and research purposes

However, as a contributing author, you retain copyright to your article and ACM will make every effort to refer requests for commercial use directly to you. Notice to Past Authors of ACM-Published Articles: ACM intends to create a complete electronic archive of all articles and/or other material previously published by ACM. If you have written a work that has been previously published by ACM in any journal or conference proceedings prior to 1978, or any SIG Newsletter at any time, and you do NOT want this work to appear in the ACM Digital Library, please inform permissions@acm.org, stating the title of the work, the author(s), and where and when published.

ISBN: 1944-0278