

South African Computer Journal

Number 53, August 2014

ISSN 1015-7999

A publication of the South African Institute of Computer Scientists and Information Technologists

Open Access: <http://sacj.cs.uct.ac.za>

Editor sacj.editor@gmail.com

Prof Philip Machanick
Department of Computer Science
Rhodes University, Grahamstown
p.machanick@ru.ac.za

Associate Editors: Information Systems

Prof Irwin Brown
Department of Information Systems
University of Cape Town
Irwin.Brown@uct.ac.za

Prof Patricia Alexander
Department of Informatics
University of Pretoria
patricia.alexander@up.ac.za

Associate Editors: Computer Science

Prof Scott Hazelhurst
School of Electrical & Information Engineering
University of the Witwatersrand
Scott.Hazelhurst@wits.ac.za

Prof Ian Sanders
School of Computing
University of South Africa
sandeid@unisa.ac.za

Prof Reinhardt A. Botha
Department of Information Technology
Nelson Mandela Metropolitan University
ReinhardtA.Botha@nmmu.ac.za

Editorial Board

Prof Judith M Bishop
Microsoft Research, USA

Prof Fred H. Lochovsky
University of Science and Technology, Hong Kong

Prof Richard J. Boland
Case Western University, USA

Prof Kalle Lyytinen
Case Western University, USA

Prof Donald. D. Cowan
University of Waterloo, Canada

Prof Mary L Sofia
University of Pittsburgh, USA

Prof Jürg Gutknecht
ETH, Zurich, Switzerland

Prof Basie H von Soims
University of Johannesburg, South Africa

Prof R Nigel Horspool
University of Victoria, Canada

Production and support

James Dibley
Rhodes University, Grahamstown

South African Computer Journal

Number 53, August 2014

ISSN 1015-7999

A publication of the South African Institute of Computer Scientists and Information Technologists

Open Access: <http://sacj.cs.uct.ac.za>

Notes for Contributors

The *South African Computer Journal* is an accredited specialist academic journal, publishing research articles, technical reports and communications in English in the Computer Science, Computer Systems and Information Systems domains. Its primary target is research of interest in Africa or published by African researchers, but all quality contributions are considered. All research articles submitted for publication are rigorously refereed by independent peer reviewers. The journal publishes original work that is of international stature. The editorial board comprises local and international scholars of high repute. The journal is published online using the **open access** model, making papers accessible in developing countries where funding to subscribe is scarce.

Submissions

Authors should submit papers for publication at the web site at

<http://sacj.cs.uct.ac.za/index.php/sacj/about/submissions>.

Please also check there for the latest version of the below guidelines.

Form of Manuscript

Manuscripts for *review* should be prepared according to the following guidelines, which summarize more detailed instructions on the web site.

SACJ has a double-blind reviewing policy. No author's name or affiliation should appear on the title page (or elsewhere). Citing of previous articles by the author or authors should be anonymised if appropriate. Acknowledgments and thanks should not be included in the draft for review. If you use Microsoft Word please make sure that your name and affiliation are not saved in the document properties.

- The first page should include:
 - the title (as brief as possible)
 - an abstract of less than 200 words
 - an appropriate keyword list
 - a list of relevant Computing Review Categories
- Tables and figures should be numbered and titled, and referenced in the text by number.
- References should be listed at the end of the text in alphabetic order of the (first) author's surname, and should be cited in the text numerically (e.g., [42]).

SACJ is produced using the L^AT_EX document preparation system. Though we can also accept Microsoft Word submissions, delays in publication are more likely with the latter format.

Authors retain the right to republish their work, subject to any republished version containing a pointer to the *SACJ* paper.

Open Access Charges

A charge of R6000 will be levied on papers accepted for publication to cover costs of open access publication. Where the author's institution or research budget is unable to meet this charge, it may be waived upon request of the author and at the discretion of the editor.

Proofs

Proofs of accepted papers may be sent to the corresponding author to ensure that typesetting is correct, and not for addition of new material or major amendments to the text. Corrected proofs should be returned to the production editor within three days.

Extended Conference Papers

Authors of conference papers are welcome to submit extended papers to *SACJ* for consideration on these terms:

- a covering letter accompanying submission should explain what is added to the paper to make it worth publishing as a journal paper
- the paper includes at least 30% new material
- provide a pointer to the original paper or, if it is not freely available, upload it as supplementary material when submitting the extended paper to *SACJ*

Letters and Communications

Letters to the editor are welcome. They should be signed, and should be limited to about 500 words. Communications may also reflect minor research contributions. However, such communications will not be refereed and will not be deemed as fully-fledged publications for state subsidy purposes.

Book Reviews

Book reviews are welcome. Views and opinions expressed in such reviews should be regarded as those of the reviewer alone.
