Australian Educational Computing is the refereed journal of the Australian Council for Computers in Education (ACCE) and is published twice a year. Members of affiliated state computer education groups receive the journal. Other residents of Australia who wish to receive Australian Educational Computing should join the appropriate state or computer education group as listed below. The overseas subscription rate is AU$75 per annum. Cheques should be made payable to Australian Educational Computing.

All subscriptions and all administrative and distribution queries should be directed to:

ACCE Executive Officer
Michelle Cox - Statewide Resources Centre
150 Palmers Street, Carlton Victoria, Australia 3053
+61 3 9349 3713 Phone
+61 3 9349 3736 Fax
michelle.cox@ctec.vic.edu.au

All editorial material including press releases, books, software and other products for review should be sent to The Editor, Australian Educational Computing.

Dr. Geoff Romee, Faculty of Education, Monash University PO Box 527, Frankston, Victoria 3199.
E-mail: geoff.romeo@education.monash.edu.au

Editorial Team
Dormo Gannon Australian Catholic University, VIC
Nick Reynolds, University of Melbourne, VIC.

Desktop Publishing
Suzanne Geary

Cover Design
Suzanne Geary

ACCE Affiliated Groups

ACCS
PO Box 534
Queen Victoria Building Sydney
NSW 1203

CEGACT
PO Box 520
Tuggeranong ACT 2001

QSITE
PO Box 8
Red Hill QLD 4059

NSWCEG
PO Box 545
Chirnside NSW 2540

CEGSA
PO Box 93
Hindmarsh SA 5007

TASITE
C/O TASITE
Sustainable Resources Centre
150 Palmers Street
Carlton VIC 3053

Advice to Contributors

The editorial panel welcomes contributions in the form of original articles, letters, reports and reviews. ACE provides a vehicle for the publication of articles for which a national audience is appropriate. These fall into a number of categories. There are articles relating to research in the educational computing field and which are likely to be of interest to a wide cross-section of teachers. These may come as follow-up papers from keynote speakers at national conferences, or might be the results of Australian or international research. In addition, there are a number of editors who are exploring new ideas about the use of computers in the classroom and who are writing articles of national interest. The journal may contain reprint articles from sister international organisations such as ISTE and IFIP; however the majority of articles should be Australian content.

• Referreed/Reviewed papers can be articles relating to research, theoretical articles, position or policy papers.
• Non Referreed/Reviewed papers can be articles relating to practice or policy.
• Authors should ensure that their manuscript conforms closely to the American Psychological Association (APA) bibliographic convention.
• Apart from the title page no author identification should appear on the manuscript.
• Figures, tables and graphics should be provided in camera-ready form.
• Photographs should be black and white rather than coloured.
• Authors should limit articles to a maximum of 4000 words.
• Include an abstract of 100-150 words.
• Electronic copy in the form of a plain (formatted) text file. Microsoft word file, should be submitted via e-mail to the editor.
• Authors should include a brief autobiographical statement (include at an abstract, title and references section) and a current photograph.
• Digital photographs of authors should be standard size of around 85x10mm and 300 dpi in resolution. When saved as a jpeg they should be about 60KB in memory, files size less than 100KB, and jpeg and gif files are not acceptable. Send photos separately; do not embed in word doc.

Papers contributed for the Referreed/Reviewed sections will be anonymously refereed by at least two members of the Editorial Board. All submitted material will pass through at editorial stage to maintain journal standards and balanced coverage. All articles accepted may be published in both print and electronic forms. All material is copyright unless otherwise stated in writing and may not be reproduced in any form without the permission of the editor. Opinions expressed by contributors do not necessarily represent the views of the editorial panel or the Australian Council for Computers in Education. The Australian Council for Computers in Education does not endorse products or services advertised in this journal.

Deadlines
31st March, 2000 for Vol 24, No. 1
31st August, 2000 for Vol 24, No. 2

Volume 23, No.2 www.acce.edu.au December 2008

CONTENTS

Digital Forms of Performance Assessment
C. Paul Newhouse

ACT to Improve ICT Use for Learning: A synthesis of studies of Teacher Confidence in Using ICT in Queensland school systems
A/Prof. Romina Jamieson-Proctor and Dr Glenn Finner

Transforming Schooling with support from portable computing, C. Paul Newhouse

John Vincent and Anthony Jones

Editorial Board

Ass Professor Peter Albon
Ass Prof Neil Anderson
Dr Wing Au
Dr Dinare Chambers
Dr Michael Dyson
Prof Tom Downes
Dr Pam Gibbons
Dr Susan Edwards
Dr Tony Fetherston
Dr Andrew Fock
Dr Lynnette Henderson
Dr Michael Henderson
Dr Tao Yixiong Hwee
Dr Bernard Holikker
Dr Tony Jones
Dr Richard Johnson
Dr Steve Kennaway
Dr John King
Mandaret Lloyd
Ass Prof Anne McDougall
Dr David McKinnon
Ass Prof Catherine McGregor
Dr Paul Newhouse
Dr Paul Nicholson
Prof Ken Oliver
Dr Jeremy Pagham
Dr Keryn Platt
Dr Glenn Russell
Dr Sue Touchard
Dr John Vincent
Ass Prof Len Webster
Prof Nicola Yeandle

University of Southern Queensland QLD
James Cook University
University of South Australia
University of Melbourne, VIC.
Monash University VIC
Charles Sturt University NSW
Australian Catholic University, NSW.
Monash University, VIC.
Edith Cowan University, WA.
University of Tasmania TAS
James Cook University, VIC.
Monash University, VIC.
Ministry of Education, Singapore
Monash University, VIC
University of Melbourne, VIC.
Deakin University VIC
Swansea School of Education, UK
James Cook University, QLD.
Queensland University of Technology
University of Melbourne, VIC.
Charles Sturt University, NSW.
University of Melbourne, VIC.
Australian Catholic University, ACT
Edith Cowan University, WA.
Deakin University VIC
Edith Cowan University, WA.
Edith Cowan University, WA.
University of Otago, New Zealand
Monash University VIC
Curtin University of Technology, WA.
University of Melbourne
Monash University
Victoria University, VIC.

Ass Professor Peter Albon
Ass Prof Neil Anderson
Dr Wing Au
Dr Dinare Chambers
Dr Michael Dyson
Prof Tom Downes
Dr Pam Gibbons
Dr Susan Edwards
Dr Tony Fetherston
Dr Andrew Fock
Dr Lynnette Henderson
Dr Michael Henderson
Dr Tao Yixiong Hwee
Dr Bernard Holikker
Dr Tony Jones
Dr Richard Johnson
Dr Steve Kennaway
Dr John King
Mandaret Lloyd
Ass Prof Anne McDougall
Dr David McKinnon
Ass Prof Catherine McGregor
Dr Paul Newhouse
Dr Paul Nicholson
Prof Ken Oliver
Dr Jeremy Pagham
Dr Keryn Platt
Dr Glenn Russell
Dr Sue Touchard
Dr John Vincent
Ass Prof Len Webster
Prof Nicola Yeandle

University of Southern Queensland QLD
James Cook University
University of South Australia
University of Melbourne, VIC.
Monash University VIC
Charles Sturt University NSW
Australian Catholic University, NSW.
Monash University, VIC.
Edith Cowan University, WA.
University of Tasmania TAS
James Cook University, VIC.
Monash University, VIC.
Ministry of Education, Singapore
Monash University, VIC
University of Melbourne, VIC.
Deakin University VIC
Swansea School of Education, UK
James Cook University, QLD.
Queensland University of Technology
University of Melbourne, VIC.
Charles Sturt University, NSW.
University of Melbourne, VIC.
Australian Catholic University, ACT
Edith Cowan University, WA.
Deakin University VIC
Edith Cowan University, WA.
Edith Cowan University, WA.
University of Otago, New Zealand
Monash University VIC
Curtin University of Technology, WA.
University of Melbourne
Monash University
Victoria University, VIC.

Journal of the Australian Council for Computers in Education

Volume 23, No.2

December 2008

Contents

Digital Forms of Performance Assessment
C. Paul Newhouse

ACT to Improve ICT Use for Learning: A synthesis of studies of Teacher Confidence in Using ICT in Queensland school systems
A/Prof. Romina Jamieson-Proctor and Dr Glenn Finner

Transforming Schooling with support from portable computing, C. Paul Newhouse

John Vincent and Anthony Jones

Editorial Board

Ass Professor Peter Albon
Ass Prof Neil Anderson
Dr Wing Au
Dr Dinare Chambers
Dr Michael Dyson
Prof Tom Downes
Dr Pam Gibbons
Dr Susan Edwards
Dr Tony Fetherston
Dr Andrew Fock
Dr Lynnette Henderson
Dr Michael Henderson
Dr Tao Yixiong Hwee
Dr Bernard Holikker
Dr Tony Jones
Dr Richard Johnson
Dr Steve Kennaway
Dr John King
Mandaret Lloyd
Ass Prof Anne McDougall
Dr David McKinnon
Ass Prof Catherine McGregor
Dr Paul Newhouse
Dr Paul Nicholson
Prof Ken Oliver
Dr Jeremy Pagham
Dr Keryn Platt
Dr Glenn Russell
Dr Sue Touchard
Dr John Vincent
Ass Prof Len Webster
Prof Nicola Yeandle

University of Southern Queensland QLD
James Cook University
University of South Australia
University of Melbourne, VIC.
Monash University VIC
Charles Sturt University NSW
Australian Catholic University, NSW.
Monash University, VIC.
Edith Cowan University, WA.
University of Tasmania TAS
James Cook University, VIC.
Monash University, VIC.
Ministry of Education, Singapore
Monash University, VIC
University of Melbourne, VIC.
Deakin University VIC
Swanse School of Education, UK
James Cook University, QLD.
Queensland University of Technology
University of Melbourne, VIC.
Charles Sturt University, NSW.
University of Melbourne, VIC.
Australian Catholic University, ACT
Edith Cowan University, WA.
Deakin University VIC
Edith Cowan University, WA.
Edith Cowan University, WA.
University of Otago, New Zealand
Monash University VIC
Curtin University of Technology, WA.
University of Melbourne
Monash University
Victoria University, VIC.