

CONTEMPORARY EDUCATIONAL TECHNOLOGY

A Quarterly International Journal

e-ISSN: 1309-517X

October 2016
Volume 7
Issue 4



This page is intentionally left blank

CONTEMPORARY EDUCATIONAL TECHNOLOGY

Contemporary Educational Technology is a scholarly international journal focusing on theory, research, and development in the field of educational technology.

The journal assigns highest priority to rigorous studies of quantitative, qualitative, and mixed paradigms on topics related to theories and applications of educational technology as well as instructional design in various educational settings including both formal and non-formal contexts.

The journal also publishes articles on empirically-based evaluation studies and theoretically-based development papers. When appropriate and possible, development papers should highlight links between theory and practice of educational technology.

Moreover, each issue of the journal publishes comprehensive book reviews, interviews, comments, and research abstracts on current issues in the field of educational technology and instructional design.

Editorial Contact

editor@cedtech.net

ABSTRACTING / INDEXING

Contemporary Educational Technology is listed by the following indexes:

Education Research Complete (EBSCO)

<http://www.ebscohost.com>

ERIC

<https://eric.ed.gov/>

Google Scholar

<http://scholar.google.com>

Ulrich's Periodicals Directory

<http://www.ulrichsweb.com/ulrichsweb/>

EDITORIAL BOARD

Editor-in-Chief

Ali Simsek, Anadolu University, Turkey

asimsek@anadolu.edu.tr

Associate Editor

Murat Ataizi, Anadolu University, Turkey

mataizi@anadolu.edu.tr

Graphic Designer

Duygu Eristi, Anadolu University, Turkey

sdbedir@anadolu.edu.tr

Editorial Team

Yavuz Akbulut, Anadolu University, Turkey

Arif Altun, Hacettepe University, Turkey

Hanafi Atan, University of Sains Malaysia, Malaysia

Tony Bates, Tony Bates Associates Ltd, Canada

Barbara A. Bichelmeyer, Indiana University, USA

Hasan Caliskan, Anadolu University, Turkey

Gulsun Eby, Anadolu University, Turkey

Brian Garner, Deakin University, Australia

Dursun Gokdag, Anadolu University, Turkey

Roger Hartley, University of Leeds, United Kingdom

Gregory A. Kearsley, Independent Consultant, USA

John M. Keller, Florida State University, USA

EDITORIAL BOARD

Stephen Kerr, University of Washington, USA

Paul A. Kirschner, Open University of the Netherlands, The Netherlands

Siu Cheung Kong, The Hong Kong Institute of Education, Hong Kong

Rob Koper, Open University of the Netherlands, The Netherlands

Ulku Koymen, Lefke European University, North Cyprus

M. David Merrill, Brigham Young University at Hawaii, USA

Marcelo Milrad, Linnaeus University, Sweden

Gary R. Morrison, Old Dominion University, USA

Balakrishnan Muniandy, Universiti Sains Malaysia, Malaysia

Kiyoshi Nakabayashi, Chiba Institute of Technology, Japan

Charles M. Reigeluth, Indiana University, USA

Steven M. Ross, Johns Hopkins University, USA

Alison Rossett, San Diego State University, USA

Gregory C. Sales, Seward Incorporated, USA

Gilly Salmon, University of Leicester, United Kingdom

Demetrios G. Sampson, University of Piraeus, Greece

Keith Sawyer, Washington University, USA

Richard A. Schwier, University of Saskatchewan, Canada

Norbert M. Seel, University of Freiburg, Germany

David W. Shaffer, University of Wisconsin, USA

George Siemens, Athabasca University, Canada

Michael Simonson, Nova Southeastern University, USA

J. Michael Spector, University of North Texas, USA

Robert D. Tennyson, University of Minnesota, USA

Timothy Teo, University of Macau, China

Chin-Chung Tsai, National Taiwan University of Science and Technology, Taiwan

EDITORIAL BOARD

David Wiley, Brigham Young University, USA

Brent G. Wilson, University of Colorado at Denver, USA

Su Luan Wong, University Putra Malaysia, Malaysia

Rauf Yildiz, Canakkale Onsekiz Mart University, Turkey

CONTENTS

Volume 7 – Issue 4 – October 2016

How Students Communicate Mathematical Ideas: An Examination of Multimodal Writing Using Digital Technologies	281-313
<i>Barbara Freeman, Kristina N. Higgins, Mark Horney</i>	
Technology-mediated ELT Writing: Acceptance and Engagement in an Online Moodle Course	314-330
<i>Hicham Ziyad</i>	
The Design of a Cognitive Apprenticeship to Facilitate Storytime Programming for Librarians	331-351
<i>Jennifer A. Scott-Brown, Jill E. Stafeniak</i>	
Effects of Computer-Assisted Jigsaw II Cooperative Learning Strategy on Physics Achievement and Retention	352-367
<i>Isiaka Amosa Gambari, Mudasiru Olalere Yusuf</i>	
One to One Technology and its Effect on Student Academic Achievement and Motivation	368-381
<i>Jennifer L. Harris, Mohammed T. Al-Bataineh, Adel Al-Bataineh</i>	
Book Review: Experimental Human-Computer Interaction – A Practical Guide with Visual Examples	382-384
<i>Esrá Barut</i>	