Table of Contents

Preface .................................................................................................................................................. xxi

Chapter 1
A Description of Online Instructors Use of Design Theory.......................................................... 1
   MarySue Cicciarelli, Duquesne University, USA

Chapter 2
A Model for Online Instruction and Faculty Assessment........................................................... 10
   Michael Thomas Shaw, SilkWeb Consulting & Development, USA
   Thomas M. Schmidt, University of Phoenix, USA

Chapter 3
A Multi-Disciplinary Strategy for Identifying Affective Usability Aspects
in Educational Geosimulation Systems ....................................................................................... 22
   Elizabeth S. Furtado, University of Fortaleza, Brazil
   Vasco Furtado, University of Fortaleza, Brazil

Chapter 4
Creating High Quality Learning Object Metadata Based on Web 2.0 Concepts.......................... 32
   Daniel Dahl, European Research Center for Information Systems (ERCIS) Westfälische
   Wilhelms-Universität Münster, Germany
   Gottfried Vossen, European Research Center for Information Systems (ERCIS) Westfälische
   Wilhelms-Universität Münster, Germany

Chapter 5
Web 2.0: A Vehicle for Transforming Education ........................................................................... 47
   Julia Gooding, Robert Morris University, USA

Chapter 6
Factors Encouraging or Discouraging Students from Taking Online Classes.......................... 55
   Chuleeporn Changchit, Texas A&M University, Corpus Christi, USA
   Tim Klaus, Texas A&M University, Corpus Christi, USA
Chapter 7
Enhancing Scholarly Conversation Through an Online Learning Community

Brian Thoms, Claremont Graduate University, USA
Nathan Garrett, Claremont Graduate University, USA
Terry Ryan, Claremont Graduate University, USA

Chapter 8
Learning Business Law Online vs. Onland: Student Satisfaction and Performance

Louis B. Swartz, Robert Morris University, USA
Michele T. Cole, Robert Morris University, USA
Daniel J. Shelley, Robert Morris University, USA

Chapter 9
Fostering Meaningful Interaction in Health Education Online Courses:
Matching Pedagogy to Course Types

Richard G. Fuller, Robert Morris University, USA
Gary Kuhne, Penn State University, USA

Chapter 10
Scenegraph-Based Platform for 3D Computer Graphics Training

Vincent Muggéo, University of Geneva, Switzerland
Laurent Moccozet, University of Geneva, Switzerland
Nadia Magenat-Thalmann, University of Geneva, Switzerland

Chapter 11
Evaluating WebCT use in Relation to Students’ Attitude and Performance

Lamis Hammoud, Brunel University, UK
Steve Love, Brunel University, UK

Chapter 12
Examining the Relationship Between Course Management Systems, Presentation Software, and Student Learning: An Exploratory Factor Analysis

Daria C. Crawley, Robert Morris University, USA
Barbara A. Frey, University of Pittsburgh, USA

Chapter 13
Using a Web-Based System to Support Teaching Processes

V. Klyuev, University of Aizu, Japan
G.P. Nikishkov, University of Aizu, Japan
Chapter 14
The Impact of Examination Software on Student Attitudes and Examination Performance

Lori Baker-Eveleth, University of Idaho, USA
Daniel M. Eveleth, University of Idaho, USA
Michele O’Neill, University of Idaho, USA
Robert W. Stone, University of Idaho, USA

Chapter 15
Using PowerPoint to Encourage Active Learning: A Tool to Enhance Student Learning in the First Accounting Course

Elise A. Boyas, Robert Morris University, USA

Chapter 16
Building Bridges Online: Issues of Pedagogy and Learning Outcomes in Intercultural Education Through Citizenship

Roger Austin, University of Ulster, Northern Ireland
John Anderson, Queen’s University, Northern Ireland

Chapter 17
The Holistic Model for Blended Learning: A New Model for K-12 District-Level Cyber Schools

Alex Stone, VLN Partners, Inc., USA

Chapter 18
Identifying the Risks Associated with Primary School Children Using the Internet

Derek O’Reilly, Dundalk Institute of Technology, Ireland

Chapter 19
Ethical Issues in Information Technology: Does Education Make a Difference?

Barrie E. Litzky, The Pennsylvania State University, USA
Effy Oz, The Pennsylvania State University, USA

Chapter 20
A Critical Discourse Analysis of Students’ Anonymous Online Postings

Dick Ng’ambi, University of Cape Town, South Africa

Chapter 21
Formative Assessment and Certification in Lifelong Learning with Cognitive and Metacognitive Measurements

Edson P. Pimentel, Federal University of ABC, Santo André, SP, Brazil
Marcio Porto Feitosa, Mackenzie P. University, São Paulo, SP, Brazil
Nizam Omar, Mackenzie P. University, São Paulo, SP, Brazil
Chapter 22
Stories of Engagement with E-Learning: Revisiting the Taxonomy of Learning

Geoffrey Lautenbach, University of Johannesburg, South Africa

Special Section
A Focused Discussion on Educational Technologies

Chapter 23
Emerging Educational Technologies and Science Education: A Multifaceted Research Approach

Bruce C. Howard, Center for Educational Technologies®, Wheeling Jesuit University, USA
Lawrence Tomei, Robert Morris University, USA

Chapter 24
Evaluating Educational Technologies: Historical Milestones

Laurie Ruberg, Center for Educational Technologies®, Wheeling Jesuit University, USA
Manetta Calinger, Center for Educational Technologies®, Wheeling Jesuit University, USA
Bruce C. Howard, Center for Educational Technologies®, Wheeling Jesuit University, USA

Chapter 25
Emerging Edtech: Expert Perspectives and Design Principles

Ching-Huei Chen, Center for Educational Technologies®, Wheeling Jesuit University, USA
Manetta Calinger, Center for Educational Technologies®, Wheeling Jesuit University, USA
Bruce C. Howard, Center for Educational Technologies®, Wheeling Jesuit University, USA
Anna Oskorus, TiER 1 Performance Solutions, USA

Chapter 26
The Best Edtech of 2007: Promising Features and Design Models

Bruce C. Howard, Center for Educational Technologies®, Wheeling Jesuit University, USA

Chapter 27
Setting Trends for Educational Technologies within the National Science Foundation

Bruce C. Howard, Center for Educational Technologies®, Wheeling Jesuit University, USA
Laura J. Curtis, Center for Educational Technologies®, Wheeling Jesuit University, USA

Chapter 28
Science for Everyone: Visions for Near-Future Educational Technology

Charles A. Wood, Center for Educational Technologies®, Wheeling Jesuit University, USA