Table of Contents

Preface ................................................................................................................................................ xvi

Acknowledgment .............................................................................................................................. xxiii

Section 1
Learning Management Systems: An Overview

Chapter 1
An Overview of Learning Management Systems ..................................................................................... 1
Anthony A. Piña, Sullivan University System, USA

Chapter 2
What is an E-Learning Platform? ........................................................................................................... 20
Michael Piotrowski, ZHAW Zurich University of Applied Sciences, Switzerland

Chapter 3
Security and Privacy Management for Learning Management Systems ..................................................... 37
Wolfgang Hommel, Leibniz Supercomputing Centre, Germany

Section 2
Selecting a Suitable Learning Management System: Challenges and Solutions

Chapter 4
Choosing the Appropriate E-Learning System for a University ............................................................... 57
Cerstin Mahlow, School of Social Work, University of Applied Sciences Northwestern Switzerland, Switzerland

Chapter 5
Technology Enhanced Distance Learning Utilising Sakai CLE and Adobe Connect Pro .......................... 81
Juley McGourty, University of Limerick, Ireland
Angelica Risquez, University of Limerick, Ireland
Chapter 6
Preparing Faculty for a Learning Management System Transition .......................................................... 105
  Danilo M. Baylen, University of West Georgia, USA
  Mary Hancock, University of West Georgia, USA
  Carol M. Mullen, University of West Georgia, USA
  Mary Angela Coleman, University System of Georgia, USA

Section 3
Supporting Technologies for Student Tracking, Evaluation, and Synchronous Course Delivery

Chapter 7
Plagiarism Detection Tools in Learning Management Systems .......................................................... 120
  Sergey Butakov, Solbridge International School of Business, South Korea
  Vladislav Shcherbinin, American University of Nigeria, Nigeria

Chapter 8
Using a Learning Management System to Facilitate Learning Outcomes Assessment .................. 138
  Steven F. Tello, University of Massachusetts Lowell, USA
  Luvai Motiwalla, University of Massachusetts Lowell, USA

Chapter 9
eUreka: A Campus-Wide Project Work Management System to Support Constructivism,
  Reflection and Collaborative Learning ................................................................................................ 157
  Daniel T.H. Tan, Nanyang Technological University, Singapore
  Adrian D.H. Lu, Nanyang Technological University, Singapore
  Sheryl E. Wong, Nanyang Technological University, Singapore

Chapter 10
Improving the Tracking of Student Participation and Effort in Online Learning .......................... 173
  Ian Douglas, Florida State University, USA

Chapter 11
Open Synchronicity for Online Class Support .................................................................................. 187
  Clark Shah-Nelson, SUNY Delhi, USA

Chapter 12
Leading Toward Improved Collaboration ...................................................................................... 204
  Vickie Cook, Greenville College, USA
  Kara L. McElwrath, University of Illinois Springfield, USA
Chapter 13
Integrating New Open Source Assessment Tools into dotLearn LMS .................................................. 219
Paloma Moreno-Clari, University of Valencia, Spain
Esteban Sanchis-Kilders, University of Valencia, Spain

Section 4
Learning Management Systems and Best Practices in Online Education

Chapter 14
Improving Hybrid and Online Course Delivery Emerging Technologies ........................................... 239
Nory B. Jones, University of Maine Business School, USA
Christian Graham, University of Maine Business School, USA

Chapter 15
Developing Student Portfolios for Outcomes-Based Assessment in Personalized Instruction .......... 259
Kam Hou Vat, University of Macau, Macau

Chapter 16
Best Practices for Teaching and Designing a Pure Online Science Classroom ................................... 291
Ricardo Javier Rademacher Mena, Futur-E-Scape, LLC, USA

Chapter 17
Hybrid Dialog: Dialogic Learning in Large Lecture Classes .............................................................. 314
Tobias Zimmermann, University of Zurich, Switzerland
Karen-Lynn Bucher, University of Zurich, Switzerland
Daniel Hurtado, University of Zurich, Switzerland

Chapter 18
Software Tools and Virtual Labs in Online Computer-Science Classes ............................................. 332
Vladimir V. Riabov, Rivier College, USA
Bryan J. Higgs, Milford, NH, USA

Chapter 19
Managing Case-Based Learning with Interactive Case Study Libraries .............................................. 351
Hao Jiang, Pennsylvania State University, USA
Craig Ganoe, Pennsylvania State University, USA
John M. Carroll, Pennsylvania State University, USA

Chapter 20
Experiences and Opinions of Online Learners: What Fosters Successful Learning............................. 372
Michael F. Beaudoin, University of New England, USA