Table of Contents

Preface ................................................................................................................................................... xii

Acknowledgment .................................................................................................................................... xvii

Section 1
Practice Examples for E-Collaborative Knowledge Construction

Chapter 1
Computer Support in E-Collaborative Learning-by-Doing Environments .............................................. 1
  Lin Qiu, Nanyang Technological University, Singapore

Chapter 2
Collaborative Knowledge Construction in Virtual Learning Environments: A Good Practice
Example of Designing Online Courses in Moodle .................................................................................... 25
  Kathrin Helling, Institute for Future Studies, Austria
  Christian Petter, Institute for Future Studies, Austria

Chapter 3
Constructing a Sense of Community in a Graduate Educational Setting Using a Web 2.0 Environment ......................................................................................................................... 46
  Daniel Firpo, Claremont Graduate University, USA
  Sumonta Kasemvilas, Claremont Graduate University, USA
  Peter Ractham, Thammasat University, Thailand
  Xuesong Zhang, California State University, USA

Section 2
Technologies

Chapter 4
Collaborative Knowledge Construction with Web Video Conferencing: A Work Based Learning Approach ........................................................................................................................................ 85
  Stylianos Hatzipanagos, King’s College London, UK
  Anthony Basiel, Middlesex University, UK
  Annette Fillery-Travis, Middlesex University, UK
Chapter 5
Supporting Case-Based Learning Through a Collaborative Authoring System ........................................ 99
Bo Hu, Universität der Bundeswehr München, Germany
Klaus Gollin, Fachhochschule für Ökonomie und Management, Germany

Chapter 6
Knowledge Access and Interaction Evolution in Virtual Learning Communities ......................................... 113
Maria Chiara Caschera, Institute of Research on Population and Social Policies (CNR-IRPPS), Italy
Alessia D’Andrea, Institute of Research on Population and Social Policies (CNR-IRPPS), Italy
Fernando Ferri, Institute of Research on Population and Social Policies (CNR-IRPPS), Italy
Patrizia Grifoni, Institute of Research on Population and Social Policies (CNR-IRPPS), Italy

Chapter 7
E-Collaboration Between People and Technological Boundary Objects: A New Learning Partnership in Knowledge Construction ................................................................. 133
Sandra Y. Okita, Columbia University, USA

Section 3
Outlook

Chapter 8
From Instructional Design to Setting up Pedagogical Infrastructures: Designing Technology-Enhanced Knowledge Creation .......................................................................................... 169
Minna Lakkala, University of Helsinki, Finland
Liisa Ilomäki, University of Helsinki, Finland
Kari Kosonen, University of Helsinki, Finland

Chapter 9
Challenges with Knowledge Construction in an E-Learning Environment ...................................................... 186
Bolanle A. Olaniran, Texas Tech University, USA
Oladayo Olaniran, Federal University of Technology, Nigeria
David Edgell, Texas Tech University, USA

Chapter 10
E-Learning as a Socio-Cultural System ....................................................................................................... 202
Vaiva Zuzevičiute, Vytautas Magnus University, Lithuania
Edita Butrime, Vytautas Magnus University, Lithuania

Compilation of References .......................................................................................................................... 219

About the Contributors ............................................................................................................................... 251

Index .......................................................................................................................................................... 257