Table of Contents

Preface .................................................................................................................................................. xv

Chapter 1
Implementing a Hybrid Cloud Infrastructure to Facilitate ICT in Education: Design and Evaluation ................................................................................................................................................. 1

Yannis Siahos, University of Patras, Greece
Iasonas Papanagiotou, University of Patras, Greece
Alkis Georgopoulos, University of Patras, Greece
Fotis Tsamis, University of Patras, Greece
Lefteris Nikolsios, University of Patras, Greece

Chapter 2
FUDAOWANG: Implementing Advanced Education Concepts to Improve the Tutorial Intelligence of Intelligent Tutoring Systems ........................................................................................................ 19

Wei Xu, Xidian University, China
Ke Zhao, Xidian University, China
Yatao Li, Xidian University, China
Zhenzhen Yi, Xidian University, China

Chapter 3
Policultura and Moodle: The Development of Different Talents in the Inclusion Perspective – A Case Study ................................................................................................................................................. 48

Chiara Laici, University of Perugia, Italy

Chapter 4
Pedagogical-Didactic Training for an Inclusive Didactics: The Precision Teaching for Strengthening of Basic and Integrating Skills in Intellectual Disabilities ......................................................... 63

Murdaca Anna Maria, University of Messina, Italy
Cuzzocrea Francesca, University of Messina, Italy
Oliva Patrizia, University of Messina, Italy
Larcan Rosalba, University of Messina, Italy
Chapter 5
New Technologies as Tools for Education to Cultural Heritage in the EU Agendas: Debates and Plans – The Special Case of Archaeology

Enrico Proietti, Ministry of Cultural Heritage and Activities and of Tourism, Italy

Chapter 6
Computer-Mediated Communication in Primary Education: An Overview and a Research Approach Example

Tharrenos Bratitsis, University of Western Macedonia, Greece
Marina Kandroudi, University of Western Macedonia, Greece

Chapter 7
Conceptual Possibilities and Restraints in Educational Games

David Richard Moore, Ohio University, USA
E-Ling Hsiao, Valdosta State University, USA

Chapter 8
Bridging Research and Game Development: A Learning Games Design Model for Multi-Game Projects

Barbara Chamberlin, New Mexico State University, USA
Jesús Trespalacios, Boise State University, USA
Rachel Gallagher, New Mexico State University, USA

Chapter 9
Which Perspectives Can Drive the Analysis of Technology-Enhanced Learning Environments?

Rosa Maria Bottino, Istituto Tecnologie Didattiche (CNR), Italy

Chapter 10
Bridging the Concepts of Educational Software and Assistive Technology

Stefania Bocconi, Istituto per le Tecnologie Didattiche (CNR), Italy
Michela Ott, Istituto per le Tecnologie Didattiche (CNR), Italy

Chapter 11
Science, Technology, and Society (STS) Issues: A Survey of Secondary Students in Sana’a, Yemen

Mohammed Yousef Mai, UPSI, Malaysia
Lila Halim, UKM, Malaysia
Ruhizan Mohammed Yaseen, UKM, Malaysia
T. Subahan M. Meerah, UKM, Malaysia

Chapter 12
Policy Coherence for Development: A Case Study of Uganda’s Primary Education Sub-Sector

Bruno Lule Yawe, Makerere University, Uganda
Chapter 13
Virtual World Classrooms: Future Directions for Learning ................................................. 233
Susan Martin Meggs, East Carolina University, USA
Sharon Kibbe, East Carolina University, USA
Annette Greer, East Carolina University, USA

Chapter 14
The Extended Body in the Teaching-Learning Process .......................................................... 261
Stefano Di Tore, University of Salerno, Italy
Paola Aiello, University of Salerno, Italy
Pio Alfredo Di Tore, University of Salerno, Italy
Maurizio Sibilio, University of Salerno, Italy

Chapter 15
Why Game-Based Learning Did Not Achieve What It Could Achieve: Challenges and Success Factors .......................................................................................................................... 269
Wee Hoe Tan, Sultan Idris Education University, Malaysia
Sean Neill, University of Warwick, UK
Sue Johnston-Wilder, University of Warwick, UK

Chapter 16
Adoption of B-Learning at Universities in Spain: The Influence of Environment and Personal Factors ....................................................................................................................... 286
Ramón Tirado-Morueta, University of Huelva, Spain
J. Ignacio Aguaded-Gomez, University of Huelva, Spain
Ángel Hernando-Gómez, University of Huelva, Spain

Chapter 17
Moodle-Based Validators to Improve Teaching and Learning of Web Development ............... 311
M. Antón-Rodríguez, University of Valladolid, Spain
M. A. Pérez-Juárez, University of Valladolid, Spain
F. J. Díaz-Pernas, University of Valladolid, Spain
M. Martínez-Zarzuela, University of Valladolid, Spain
D. González-Ortega, University of Valladolid, Spain

Compilation of References .................................................................................................... 328

About the Contributors ........................................................................................................ 359

Index ...................................................................................................................................... 369