# Table of Contents

**Preface** .................................................................................................................................................. xix

**Chapter 1**
Quantum Modeling of Social Dynamics ................................................................................................ 1

* C. Bisconti, University of Salento, Italy  
  A. Corallo, University of Salento, Italy  
  M. De Maggio, University of Salento, Italy  
  F. Grippa, University of Salento, Italy  
  S. Totaro, University of Salento, Italy

**Chapter 2**
Adventure Game Learning Platform ........................................................................................................... 13

* Miroslav Minović, University of Belgrade, Serbia  
  Velimir Štavljanin, University of Belgrade, Serbia  
  Miloš Milovanović, University of Belgrade, Serbia  
  Dušan Starčević, University of Belgrade, Serbia

**Chapter 3**
A Policy Framework for Developing Knowledge Societies ........................................................................... 24

* Ravi S. Sharma, Nanyang Technological University, Singapore  
  Elaine W. J. Ng, Nanyang Technological University, Singapore  
  Mathias Dharmawirya, Nanyang Technological University, Singapore  
  Ekundayo M. Samuel, Nanyang Technological University, Singapore

**Chapter 4**
Toward Building the Knowledge Culture: Reviews and a KC-STOPE with Six Sigma View ............ 50

* Saad Haj Bakry, King Saud University, Saudi Arabia  
  Abdulkader Alfantookh, Ministry of Higher Education, Saudi Arabia

**Chapter 5**
Trust Building Process for Global Software Development Teams: A Review from the Literature .... 71

* Adrián Hernández-López, Universidad Carlos III de Madrid, Spain  
  Ricardo Colomo-Palacios, Universidad Carlos III de Madrid, Spain  
  Ángel García-Crespo, Universidad Carlos III de Madrid, Spain  
  Pedro Soto-Acosta, University of Murcia, Spain
Chapter 6
Using Social Networks in Learning and Teaching in Higher Education: An Australian Case Study ................................................................. 90
Craig Deed, La Trobe University, Australia
Anthony Edwards, Liverpool Hope University, UK

Chapter 7
Quality of Project Management Education and Training Programmes .................................................. 102
Constanta-Nicoleta Bodea, The Academy of Economic Studies, Romania
Maria Dascalu, The Academy of Economic Studies, Romania
Melania Coman, The Academy of Economic Studies, Romania

Chapter 8
The Study of Educatives Network Organizations in the City of Barcelona: The Nou Barris District ................................................................. 115
Jordi Díaz Gibson, Ramon Llull University, Spain
Mireia Civís Zaragoza, Ramon Llull University, Spain
Jordi Longás Mayayo, Ramon Llull University, Spain
Ana Mª López Murat, Ramon Llull University, Spain

Chapter 9
The Teachers They are Becoming: Multiple Literacies in Teacher Pre-Service ........................................ 127
Lorayne Robertson, University of Ontario Institute of Technology, Canada
Janette Hughes, University of Ontario Institute of Technology, Canada

Chapter 10
A Different Perspective on Lecture Video-Streaming: How to Use Technology to Help Change the Traditional Lecture Model ........................................ 140
Marco Ronchetti, University of Trento, Italy

Chapter 11
Kolb’s Learning Styles and Approaches to Learning: The Case of Chemistry Undergraduates with Better Grades .................................................. 152
Patrícia Albergaria-Almeida, University of Aveiro, Portugal
José Joaquim Teixeira-Dias, University of Aveiro, Portugal
Mariana Martinho, Escola EB 2,3/S de Oliveira de Frades, Portugal
Chinthaka Balasooriya, University of New South Wales, Australia

Chapter 12
Curriculum Design and Development for Computer Science and Similar Disciplines .......................... 168
Igor Schagaev, London Metropolitan University, UK
Elisabeth Bacon, University of Greenwich, UK
Nicholas Ioannides, London Metropolitan University, UK
Chapter 13
Evaluation of E-Learning

Bernhard Ertl, Universität der Bundeswehr München, Germany
Katharina Ebner, Universität der Bundeswehr München, Germany
Kathy Kikis-Papadakis, Foundation for Research and Technology – Hellas, Greece

Chapter 14
Requirements for Successful Wikis in Collaborative Educational Scenarios

Marc Alier Forment, Technical University of Catalonia, Spain
Xavier De Pedro, University of Barcelona, Spain
Maria Jose Casañ, Technical University of Catalonia, Spain
Jordi Piguillem, Technical University of Catalonia, Spain
Nikolas Galanis, Technical University of Catalonia, Spain

Chapter 15
An Innovative Educational Project at the University of Granada: A New Teaching-Learning Model for Adapting the Organization of Curricula to Interactive Learning

M. Zamorano, University of Granada, Spain
M.L. Rodríguez, University of Granada, Spain
A. F. Ramos-Ridao, University of Granada, Spain
M. Pasadas, University of Granada, Spain

Chapter 16
A Model for Investigating E-Governance Adoption Using TAM and DOI

Ioannis Karavasilis, University of Macedonia, Greece
Kostas Zafiropoulos, University of Macedonia, Greece
Vasiliki Vrana, Technological Education Institute of Serres, Greece

Chapter 17
Meso Level as an Indicator of Knowledge Society Development

Aljona Zorina, ESSEC Business School, France
David Avison, ESSEC Business School, France

Chapter 18
The Project Manager in the Theatre of Consciousness: A New Approach to Knowledge Creation and Communication

Kaj U. Koskinen, Tampere University of Technology, Finland
Pekka Pihlanto, Turku School of Economics, University of Turku, Finland

Chapter 19
Developing Professional Knowledge and Confidence in Higher Education

E. Serradell-Lopez, Open University of Catalonia, Spain
P. Lara, Open University of Catalonia, Spain
D. Castillo, Open University of Catalonia, Spain
I. González, Open University of Catalonia, Spain
Chapter 20
An Efficient System for Video Stabilization by Differentiating between Intentional and Un-Intentional Jitters ............................................................... 282
  Kamran Manzoor, University of Engineering and Technology, Pakistan
  Umar Manzoor, The University of Salford, UK
  Samia Nefti, The University of Salford, UK

Chapter 21
A Change Management Framework to Support Software Project Management .................. 294
  Belinda Masekela, University of South Africa, South Africa
  Rita Nienaber, University of South Africa, South Africa

Chapter 22
Financial Needs for a Competitive Business Model in the Knowledge Society .................. 309
  David Castillo-Merino, Open University of Catalonia, Spain
  Dolors Plana-Erta, Open University of Catalonia, Spain

Compilation of References .............................................................................................. 321

About the Contributors .................................................................................................. 354

Index............................................................................................................................... 361