# Table of Contents

Foreword ........................................................................................................................................... xii

Preface ................................................................................................................................................ xiii

## Section 1
Social Computing from a Social Perspective

### Chapter 1
From Information Technology to Social Technology: Opportunities and Challenges in the Knowledge Economy

*Benjamin Yeo, Milken Institute, USA*

### Chapter 2
Harness the Wisdom of Crowds: The Importance of We-Intention in Social Computing Research

*Aaron X. L. Shen, City University of Hong Kong, Hong Kong*
*Matthew K. O. Lee, City University of Hong Kong, Hong Kong*
*Christy M. K. Cheung, Hong Kong Baptist University, Hong Kong*

### Chapter 3
Using Theoretical Frameworks from the Social Sciences to Understand and Explain Behaviour in Social Computing

*Jacqui Taylor, Bournemouth University, UK*

### Chapter 4
Cultural and International Aspects of Social Media

*Thomas Mandl, University of Hildesheim, Germany*
Section 2
Social Computing from an Organizational Perspective

Chapter 5
Social Contexts in an Information Rich Environment.......................................................... 68
  Gbolahan K. Williams, King’s College London, UK
  Iman Poernomo, King’s College London, UK

Chapter 6
Social Computing: Harnessing Enterprise Social Networking and the Relationship Economy......... 85
  Chaka Chaka, Walter Sisulu University, South Africa

Chapter 7
Using Web 2.0 Social Computing Technologies to Enhance the Use of Information
Systems in Organizations........................................................................................................ 101
  Jean Éric Pelet, KMCMS.net, France

Chapter 8
Enhancing Productivity through Social Computing .............................................................. 133
  J. Alfredo Sánchez, Universidad de las Américas Puebla, Mexico
  Omar Valdiviezo, Universidad de las Américas Puebla, Mexico

Section 3
Social Computing from a Technical Perspective

Chapter 9
Social Networks and Semantics........................................................................................... 155
  Ioan Toma, University of Innsbruck, Austria
  James Caverlee, Texas A&M University, USA
  Ying Ding, Indiana University, USA
  Elin K. Jacob, Indiana University, USA
  Erjia Yan, Indiana University, USA
  Staša Milojević, Indiana University, USA

Chapter 10
Constructing and Evaluating Social Software: Lessons from Interaction Design.................... 197
  Christopher Douce, Open University, UK
Chapter 11
Advanced Multimodal Frameworks to Support Human-Computer Interaction on Social Computing Environments ................................................................. 215
Danilo Avola, University of Rome La Sapienza, Italy
Andrea Del Buono, Computer Science and Knowledge Laboratory, Italy
Angelo Spognardi, University of Rome La Sapienza, Italy

Chapter 12
A Social Relational Network-Based Architecture for Maintaining the Media Integrity and Optimizing the Quality of Experience: A Technical and Business Perspective .................. 242
Harilaos G. Koumaras, University of Bordeaux, France
Jose Oscar Fajardo, University of the Basque Country, Spain
Fidel Liberal, University of the Basque Country, Spain
Lingfen Sun, University of Plymouth, UK
Vaios Koumaras, Business College of Athens, Greece
Costas Troulos, PCN, Greece
Anastasios Kourtis, National Centre for Scientific Research Demokritos, Greece

Section 4
Social Computing from a Marketing Perspective

Chapter 13
Social Computing and the New Market: How Social Computing is Driving Market Competition ...... 265
Jason G. Caudill, Carson-Newman College, USA

Chapter 14
From Real to Virtual and Back Again: The Use and Potential of Virtual Social Worlds within the IT Industry .......................................................................................... 285
Andreas M. Kaplan, ESCP Europe, France
Michael Haenlein, ESCP Europe, France

Chapter 15
Viral Marketing via Social Networking Sites: Perceptions of Students in a University Environment .................................................................................................................. 301
Ranadeva Jayasekera, University of Southampton, UK
Thanos Papadopoulos, University of Southampton, UK

Compilation of References .................................................................................. 324

About the Contributors .......................................................................................... 353

Index ....................................................................................................................... 362