# Table of Contents

Prologue ........................................................................................................................................... xviii

About the Editor .............................................................................................................................. xxix

## Section I
**Fundamental Concepts and Theories**

**Chapter I**
E-Entrepreneurship: The Principles of Founding Electronic Ventures............................................... 1
   *Tobias Kollmann, University of Duisburg-Essen, Germany*

**Chapter II**
The Role of Government in E-Business Adoption ............................................................................. 16
   *Barbara Roberts, The University of Southern Queensland, Australia*
   *Mark Toleman, The University of Southern Queensland, Australia*

**Chapter III**
The Role of Simulation in Business Process Reengineering............................................................. 33
   *Firas M. Alkhaldi, Arab Academy for Banking and Financial Sciences, Jordan*
   *Mohammad Olaimat, Arab Academy for Banking and Financial Sciences, Jordan*
   *Abdullah Abdali Rashed, Saba University, Yemen*

**Chapter IV**
Environmental Drivers of E-Business Strategies Among SMEs ..................................................... 59
   *Alessandro Arbore, Bocconi University, Italy*
   *Andrea Ordanini, Bocconi University, Italy*
Section II
Development and Design Methodologies

Chapter V
Conflicts, Compromises, and Political Decisions: Methodological Challenges of Enterprise-Wide E-Business Architecture Creation ................................................................. 71
Kari Smolander, Lappeenranta University of Technology, Finland
Matti Rossi, Helsinki School of Economics, Finland

Chapter VI
Vichuda Nui Polatoglu, Anadolu University, Turkey

Chapter VII
BROOD: Business Rules-Driven Object Oriented Design............................................................. 108
Pericles Loucopoulos, Loughborough University, UK
Wan M.N. Wan Kadir, Universiti Teknologi Malaysia, Malaysia

Chapter VIII
Best Practice in Company Standardization ..................................................................................... 141
Henk J. de Vries, Erasmus University, Rotterdam, The Netherlands
Florens J. C. Slob, Van Gansewinkel Zuid-Holland, Vlaardingen, The Netherlands

Section III
Tools and Technologies

Chapter IX
Best Practice in Leveraging E-Business Technologies to Achieve Business Agility ................... 164
Ehap H. Sabri, University of Texas at Dallas, USA

Chapter X
Building Dynamic Business Process in P2P Semantic Web .......................................................... 186
Timon C. Du, The Chinese University of Hong Kong, Hong Kong, China
Eldon Y. Li, National Chengchi University, Taiwan & California Polytechnic State University, USA

Chapter XI
Patterns for Designing Agent-Based E-Business Systems .......................................................... 202
Michael Weiss, Carleton University, Canada

Chapter XII
Performance Evaluation of Consumer Decision Support Systems ................................................. 225
Jiyong Zhang, Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland
Pearl Pu, Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland
Chapter XIII
E-Business Technologies in E-Market Literature ................................................................. 244
Nikos Manouselis, Agricultural University of Athens, Greece

Section IV
Utilization and Application

Chapter XIV
Process-Oriented Assessment of Web Services ................................................................. 269
Jan-Hendrik Sewing, Siemens Management Consulting, Germany
Michael Rosemann, Queensland University of Technology, Australia
Marlon Dumas, Queensland University of Technology, Australia

Chapter XV
Application of Web Services in the Context of E-Procurement: An SME Foci .......................... 294
Stanley Oliver, University of Bolton, UK
Kiran Maringanti, University of Bolton, UK

Chapter XVI
E-Business Adoption in SMEs: Some Preliminary Findings from Electronic Components Industry ................................................................. 321
Mark Xu, Portsmouth Business School, UK
Ravni Rohatgi, Southampton, UK
Yanqing Duan, University of Bedfordshire, UK

Chapter XVII
How Can Internet Service Providers Tap into the Potentially-Lucrative Small Business Market? .... 339
Avinash Waikar, Southeastern Louisiana University, USA
Minh Q. Huynh, Southeastern Louisiana University, USA

Chapter XVIII
Process-Driven Business Integration Management for Collaboration Networks ....................... 356
Dominik Vanderhaeghen, Institute for Information Systems (IWi) at the German Research Center for Artificial Intelligence (DFKI), Germany
Anja Hofer, Institute for Information Systems (IWi) at the German Research Center for Artificial Intelligence (DFKI), Germany
Florian Kupsch, Institute for Information Systems (IWi) at the German Research Center for Artificial Intelligence (DFKI), Germany

Chapter XIX
Measurements in E-Business ......................................................................................... 375
Damon Aiken, Eastern Washington University, USA
Section V
Critical Issues

Chapter XX
E-Business in Developing Countries: A Comparison of China and India ........................................ 385
Peter V. Raven, Seattle University, USA
Xiaoqing Huang, Seattle University, USA
Ben B. Kim, Seattle University, USA

Chapter XXI
A Model of Information Security Governance for E-Business ......................................................... 404
Dieter Fink, Edith Cowan University, Australia
Tobias Huegle, Edith Cowan University, Australia
Martin Dortschy, Institute of Electronic Business–University of Arts, Germany

Chapter XXII
A Security Blueprint for E-Business Applications .............................................................................. 416
Jun Du, Tianjin University, China
Yuan-Yuan Jiao, Nankai University, China
Jianxin (Roger) Jiao, Nanyang Technological University, Singapore

Chapter XXIII
Kathleen Mykytyyn, Southern Illinois University, USA
Peter Mykytyyn, Southern Illinois University, USA

Chapter XXIV
E-Business Risk Management in Firms .............................................................................................. 448
Ganesh Vaidyanathan, Indiana University South Bend, USA

Section VI
Emerging Trends

Chapter XXV
Evaluating E-Business Leadership and its Links to Firm Performance .............................................. 471
Jing Quan, Salisbury University, USA

Chapter XXVI
Business Networking: The Technological Infrastructure Support ....................................................... 481
Claudia-Melania Chituc, Faculty of Engineering of the University of Porto (FEUP),
INESC Porto, Portugal
Américo Lopes Azevedo, Faculty of Engineering of the University of Porto (FEUP),
INESC Porto, Portugal
Chapter XXVII
Outsourcing Non-Core Business Processes: An Exploratory Study

Adriana Romaniello, Universidad Rey Juan Carlos, Spain
B. Dawn Medlin, Appalachian State University, USA

Chapter XXVIII
Delivering the ‘Whole Product’: Business Model Impacts and Agility Challenges in a Network of Open Source Firms

Joseph Feller, University College Cork, Ireland
Patrick Finnegan, University College Cork, Ireland
Jeremy Hayes, University College Cork, Ireland

Index