Table of Contents

Preface ................................................................................................................................................... xiv

Chapter I
Examining the Factors Affecting Project and Business Success of ERP Implementation ............... 1
   Emad M. Kamhawi, Zagazig University, Egypt

Chapter II
Evolution of Enterprise Resource Planning .......................................................................................... 17
   Ronald E. McGaughey, University of Central Arkansas, USA
   Angappa Gunasekaran, University of Massachusetts—Dartmouth, USA

Chapter III
Information Technology Usage in Maquila Enterprises ........................................................................... 32
   Purnendu Mandal, Lamar University, USA
   Mohan P. Rao, University of Louisiana, USA

Chapter IV
Performance and Cost Analysis of Service-Oriented Enterprise Architectures ................................ 49
   Henk Jonkers, BiZZdesign, The Netherlands
   Maria-Eugenia Iacob, Univeristy of Twente, The Netherlands

Chapter V
Significance of Analytical Hierarchy Process (AHP) and Nominal Group Technique (NGT) in ERP Implementation ........................................................................................................................ 74
   S. Parthasarathy, Thiagarajar College of Engineering, India

Chapter VI
Specifying Software Models with Organizational Styles ...................................................................... 91
   Manuel Kolp, Université Catholique de Louvain Place des Doyens, Belgium
   Yves Wautelet, Université Catholique de Louvain Place des Doyens, Belgium
   Stéphane Faulkner, University of Namur Rempart de la Vierge, Belgium
Chapter VII
Towards Identifying the Most Important Attributes of ERP Implementations

Piotr Soja, Cracow University of Economics, Poland
Dariusz Put, Cracow University of Economics, Poland

Chapter VIII
A Voice-Enabled Pervasive Web System with Self-Optimization Capability for Supporting Enterprise Applications

Shuchih Ernest Chang, National Chung Hsing University, Taiwan

Chapter IX
The Impact of Culture on the Perception of Information System Success

Hafid Agourram, Bishop’s University, Canada

Chapter X
Achieving System and Business Interoperability by Semantic Web Services

John Krogstie, Norwegian University of Science and Technology (NTNU), Norway & SINTEF ICT, Norway
Csaba Veres, Norwegian University of Science and Technology (NTNU), Norway
Guttorm Sindre, Norwegian University of Science and Technology (NTNU), Norway
Øyvind Skytøen, Norwegian University of Science and Technology (NTNU), Norway

Chapter XI
Integrated Research and Training in Enterprise Information Systems

Cheng-Yang Cheng, Penn State University, USA
Vamsi Salaka, Penn State University, USA
Vittal Prabhu, Penn State University, USA

Chapter XII
Service-Oriented Middleware for Managing Inter-Enterprise Collaborations

Lea Kutvonen, University of Helsinki, Finland
Toni Ruokolainen, University of Helsinki, Finland
Sini Ruohomaa, University of Helsinki, Finland
Janne Metso, University of Helsinki, Finland

Chapter XIII
Training and User Acceptance in a University ERP Implementation: Applying the Technology Acceptance Model

Joseph Bradley, University of Idaho, USA
C. Christopher Lee, Pacific Lutheran University, USA
Chapter XIV
Measuring and Diffusing Data Quality in a Peer-to-Peer Architecture .............................................. 261

Diego Milano, Università degli Studi di Roma, Italy
Monica Scannapieco, Università degli Studi di Roma, Italy
Tiziana Catarci, Università degli Studi di Roma, Italy

Chapter XV
Modeling Buyer-Supplier Relationships in Dynamic Supply Chains ................................................ 288

Vipul Jain, Indian Institute of Technology Delhi, India
S. Wadhwa, Indian Institute of Technology Delhi, India
S. G. Deshmukh, Indian Institute of Technology Delhi, India

Chapter XVI
Enterprise Systems, Control and Drift ................................................................................................ 317

Ioannis Ignatiadis, University of Bath, UK
Joe Nandhakumar, University of Warwick, UK

Compilation of References ............................................................................................................. 344

About the Contributors .................................................................................................................... 372

Index .................................................................................................................................................. 379