### Table of Contents

**Foreword** ............................................................................................................................ vii  
*Vijayan Sugumaran*  
*Oakland University, USA*

**Preface** ................................................................................................................................ x

**Chapter 1. Intelligent Agents and the World Wide Web: Fact or Fiction?** ........................................ 1  
*Sudha Ram, University of Arizona, USA*

**Chapter 2. Comparing U.S. and Japanese Companies on Competitive Intelligence, IS Support and Business Change** ......................................................... 4  
*Tor Guimaraes, Tennessee Technological University, USA*  
*Osamu Sato, Tokyo Keizai University, Japan*  
*Hideaki Kitanaka, Takushoku University, Japan*

*Yogesh Malhotra, @Brint.com and Syracuse University, USA*

**Chapter 4. Knowledge-Based Systems as Database Design Tools: A Comparative Study** ................................................................. 43  
*W. Amber Lo, Millersville University and Knowledge-Based Systems, Inc., USA*  
*Joobin Choobineh, Texas A&M University, USA*

**Chapter 5. Policy-Agents to Support CSCW in the Case of Hospital-Scheduling** .......................................................... 72  
*Hans Czap, University of Trier, Germany*
Chapter 6. Building an Agent: By Example .................................................84
Paul Darbyshire, Victoria University of Technology, Australia

Chapter 7. Intelligent Agents in a Trust Environment .............................. 98
Rahul Singh, University of North Carolina, Greensboro, USA
Mark A. Gill, Arizona State University, USA

Chapter 8. A Case Study on Forecasting of the Return of Scrapped
Products through Simulation and Fuzzy Reasoning ............................109
Jorge Marx-Gómez and Claus Rautenstrauch
Otto-von-Guericke-University, Magdeburg, Germany

Chapter 9. Newshound Revisited: The Intelligent Agent That Retrieves
News Postings ..........................................................................................124
Jeffrey L. Goldberg, Analytic Services Inc. (ANSER), USA
Shijun S. Shen, Tygart Technology, Inc., USA

Chapter 10. Investigation into Factors That Influence the Use of the Web
in Knowledge-Intensive Environments ................................................135
Yong Jin Kim and H. Raghav Rao, SUNY at Buffalo, USA
Abhijit Chaudhury, Bryant College, USA

Chapter 11. A Study of Web Users’ Waiting Time .................................145
Fiona Fui-Hoon Nah, University of Nebraska-Lincoln, USA

Chapter 12. Stickiness: Implications for Web-Based Customer Loyalty
Efforts.........................................................................................................153
Supawadee Ingsriswang and Guiseppe Forgionne
University of Maryland, Baltimore, USA

Chapter 13. “Not” is Not “Not” Comparisons of Negation in SQL and
Negation in Logic Programming ............................................................164
James D. Jones, University of Arkansas at Little Rock, USA

Chapter 14. Knowledge Management and New Organization Forms: A
Framework for Business Model Innovation ........................................177
Yogesh Malhotra, @Brint.com, L.L.C. and Florida Atlantic University,
USA

Chapter 15. Implementing Virtual Organizing in Business Networks: A
Method of Inter-Business Networking ................................................200
Roland Klueber, Rainer Alt and Hubert Osterle
University of St. Gallen, Switzerland
Chapter 16. Managing Knowledge for Strategic Advantage in the Virtual Organization
Janice M. Burn and Colin Ash, Edith Cowan University, Australia

Chapter 17. Virtual Organizations That Cooperate and Compete: Managing the Risks of Knowledge Exchange
Claudia Loebbecke, Copenhagen Business School, Denmark
Paul C. van Fenema, Erasmus University, The Netherlands

Chapter 18. Becoming Knowledge-Powered: Planning the Transformation
Dave Pollard, Ernst & Young, Canada

About the Editor

Index