Table of Contents

December 2005

The Semantic E-Business Vision

- 38 Introduction Rahul Singh, Lakshmi S. Iyer, and A.F. Salam, Guest Editors
- 43 Using the Web Service Modeling Ontology to Enable Semantic E-Business Jos de Bruijn, Dieter Fensel, Uwe Keller, and Rubén Lara
- 48 Secure Knowledge Management and the Semantic Web JinKyu Lee, Shambhu J. Upadhyaya, H. Raghav Rao, and Raj Sharman
- 55 A Semantic Approach to Monitor Business Process Performance Manoj Thomas, Richard Redmond, Victoria Yoon, and Rahul Singh
- Toward an Ontology-Driven Architectural Framework for B2B Ejub Kajan and Leonid Stoimenov
- 67 Unified Activity Management: Supporting People in E-Business Thomas P. Moran, Alex Cozzi, and Stephen P. Farrell
- 71 Directions for Security and Privacy for Semantic E-Business Applications *Bhavani Thuraisingham*
- 75 Model-Driven Business Transformation and the Semantic Web Juhnyoung Lee



- 78 Separate Handles from Names on the Internet Michael J. O'Donnell
- 85 Agile Project Management: Steering from the Edges
 Sanjiv Augustine, Bob Payne, Fred Sencindiver, and Susan Woodcock
- 91 Does Avatar Email Improve Communication? Younghwa Lee, Kenneth A. Kozar, and Kai R. Larsen
- 96 Practical Knowledge Management Tool Use in a Software Consulting Company Torgeir Dingsøyr, Hans Karim Djarraya, and Emil Røyrvik
- 101 Challenges and Constraints to the Diffusion of Biometrics in Information Systems Akhilesh Chandra and Thomas Calderon
- 107 Enhancing Efficiency in the Health Care Industry Stephan Kudyba, G. Brent Hamar, and William M. Gandy
- Calling for Programmed Technology Transfer and Adoption Strategies for Sustainable LDC Growth Philip F. Musa, Victor W. Mbarika, and Peter Meson

Columns

- 17 Security Watch Challenges in Forensic Computing Rebecca T. Mercuri
- 23 Digital Village Pernicious Ports Hal Berghel and David Hoelzer
- 31 President's Letter Robots in the Desert—A Research Parable for Our Times David A. Patterson
- 35 Viewpoint Student Research and the Internet Amy S. Bruckman
- 152 Inside Risks Wikipedia Risks Peter Denning, Jim Horning, David Parnas, and Lauren Weinstein



Departments

- 9 News Track
- 11 Forum
- 14 ACM Nominating Committee Slate of Nominees
- 15 Hot Links
- 117 Career Opportunities
- 149 Calendar of Events



Cover: Gianpaolo Pagni