Table of Contents

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

Section 1

Chapter 1
Web Portals Research: Treating the Portal as an Innovation ................................................................. 1
   Arthur Tatnall, Victoria University, Australia

Chapter 2
EDI and the Promise of Portals for Internet Business Use ................................................................. 12
   Greg Adamson, University of Melbourne, Australia

Chapter 3
Every Need to be alarmed ............................................................................................................... 26
   Ed Young, Young Consulting, Australia

Chapter 4
Building Portal Applications ........................................................................................................... 38
   Jana Polgar, NextDigital, Australia
   Tony Polgar, Oakton, Australia

Chapter 5
Architecture of the Organic.Edunet Web Portal .............................................................................. 54
   Nikos Manouselis, Greek Research & Technology Network (GRNET S.A.), Greece
   Kostas Kastrantas, Greek Research & Technology Network (GRNET S.A.), Greece
   Salvador Sanchez-Alonso, University of Alcalá, Spain
   Jesús Cáceres, University of Alcalá, Spain
   Hannes Ebner, Royal Institute of Technology (KTH), Sweden
   Matthais Palmer, Royal Institute of Technology (KTH), Sweden
   Ambjorn Naeve, Royal Institute of Technology (KTH), Sweden
Section 2

Chapter 6
Adaptation and Recommendation in Modern Web 2.0 Portals
Andreas Nauerz, IBM Research and Development, Germany
Rich Thompson, IBM T.J. Watson Research Center, USA

Chapter 7
An Overview of REST
Jan Newmarch, Box Hill Institute, Australia

Chapter 8
Toward Introducing Semantic Capabilities for WSRP
Kevin Wilkinson, Fronde Systems Group, New Zealand
Jana Polgar, Next Digital, Australia

Chapter 9
User Facing Web Services in Portals
Jana Polgar, NextDigital, Australia

Chapter 10
Practitioner Case Study: Practical Challenges in Portal Implementation Projects
Daniel Brewer, Sentric APAC Pty Ltd., Australia
Greg Adamson, University of Melbourne, Australia

Section 3

Chapter 11
Service Oriented Architecture Conceptual Landscape: Part I
Ed Young, Victoria University, Australia

Chapter 12
Service Oriented Architecture Conceptual Landscape: Part II
Ed Young, Victoria University, Australia

Chapter 13
WebSphere Portal 6.1: An Agile Development Approach
Thomas Stoer, IBM Germany Research and Development, Germany
Uwe Hansmann, IBM Germany Research and Development, Germany
Chapter 14
Conceptual Business Service: An Architectural Approach for Building a Business
Service Portfolio .................................................................................................................. 174
  Ben Clohesy, SystemicLogic Research Institute, Australia
  Alan Frye, ANZ Enterprise Integration Strategy Planning & Architecture, Australia
  Robert Redpath, SystemicLogic Research Institute, Australia

Chapter 15
Case Study: SOA Implementation Challenges for Medium Sized Corporations .................. 191
  Brenton Worley, Intunity Pty Ltd., Australia
  Greg Adamson, University of Melbourne, Australia

Section 4

Chapter 16
Mobilising the Enterprise .................................................................................................. 201
  Ed Young, Young Consulting, Australia

Chapter 17
Two Examples of the Development and Use of Portals: Australia and Bangladesh ............ 221
  Arthur Tatnall, Victoria University, Australia
  Stephen Burgess, Victoria University, Australia

Chapter 18
Evaluating Students’ Perceptions of Interactive Response System (IRS): Extending Technology Acceptance Model .............................................................................................................. 233
  Ying Chieh Liu, Chooayang University of Technology, Taiwan

Chapter 19
Creating Successful Portals with a Design Framework ....................................................... 246
  Joe Lamantia, MediaCatalyst B.V., The Netherlands

Compilation of References .................................................................................................. 257

About the Contributors .................................................................................................. 266

Index .................................................................................................................................... 270