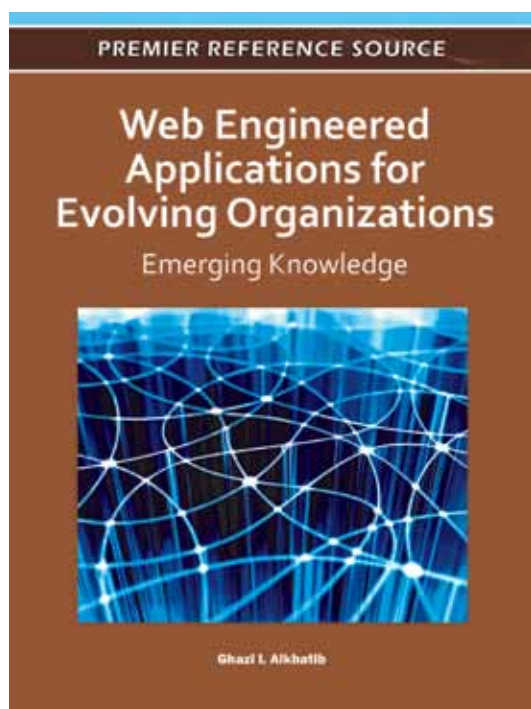


An Excellent Addition to Your Library!

Released: April 2011

Web Engineered Applications for Evolving Organizations: Emerging Knowledge



Ghazi Alkhatib (Princess Sumaya University for Technology, Jordan)

Knowledge sharing within an organization is essential to its continued success and growth, though remaining aware of new communication technologies is a difficult task.

Web Engineered Applications for Evolving Organizations: Emerging Knowledge explores integrated approaches to IT and Web engineering, offering solutions and best practices for knowledge exchange within organizations. This publication focuses on research in a number of related disciplines, including data knowledge storage and retrieval, intelligent information systems, IT education and training, and IT readiness.

Topics Covered:

- Context-aware recommender systems
- Databases and Web services
- E-learning environments
- Mobile ad-hoc messaging
- Quality of service routing algorithms
- Usability guidelines for e-learning Web sites
- User-centered design
- Web applications
- Web caching
- Web services brokering systems

ISBN: 9781609605230; © 2011; 442 pp.

Print: US \$180.00 | Perpetual: US \$255.00 | Print + Perpetual: US \$360.00

Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.

Ghazi Alkhatib is an assistant professor of software engineering at the College of Computer Science and Information Technology, Applied Science University (Amman, Jordan). In 1984, he obtained his Doctor of Business Administration from Mississippi State University in information systems with minors in computer science and accounting. Since then, he has been engaged in teaching, consulting, training and research in the area of computer information systems in the US and gulf countries. In addition to his research interests in databases and systems analysis and design, he has published several articles and presented many papers in regional and international conferences on software processes, knowledge management, e-business, Web services and agent software, workflow and portal/grid computing integration with Web services.

Section 1:

Chapter 1

Message-Based Routing in Mobile Networks

Stieglitz Stefan (University of Potsdam, Germany)

Fuchß Christoph (Virtimo Webbased Applications, Germany)

Chapter 2

Viticulture zoning by an experimental nsn

Mariño P. (University of Vigo, Spain)

Fontán F.P. (University of Vigo, Spain)

Domínguez M.A. (University of Vigo, Spain)

Otero S. (University of Vigo, Spain)

Chapter 3

A Linked Neighboring Leaves N-Tree to Support Distance Range Search

Najjar Faïza (National School of Comp. Science, Tunisia)

Slimani Hassenet (Faculty of Sciences, Tunisia)

Chapter 4

Location-Aware Access Control for Mobile Workflow Systems

Decker Michael (University of Karlsruhe, Germany)

Chapter 5

Context-Aware Recommender Systems in Vehicular Networks and Other Mobile Domains

Woerndl Wolfgang (Technische Universitaet Muenchen, Germany)

Brocco Michele (Technische Universitaet Muenchen, Germany)

Eigner Robert (Technische Universitaet Muenchen, Germany)

Section 2:

Chapter 6

Fault-Tolerant Text Data Compression Algorithms

Robert L. (Government Arts College, India)

Nadarajan R. (PSG College of Technology, India)

Chapter 7

Adaptability and Adaptivity in The Generation of Web Applications

Ben Djemaa Raoudha (MIRACL, Tunisie)

Amous Ikram (MIRACL, Tunisie)

Ben Hamadou Abdelmajid (MIRACL, Tunisie)

Chapter 8

Automating the Generation of Joins in Large Databases and Web Services

Bagui Sikha (The University of West Florida, USA)

Loggins Adam (Zilliant Inc., USA)

Chapter 9

Multi-Agent Based Dynamic E-Learning Environment

AlZahrani Saleh (De Montfort University, UK)

Ayesh Aladdin (De Montfort University, UK)

Zedan Hussein (De Montfort University, UK)

Chapter 10

Analysis of Quality of Service Routing Algorithms

Raj E.George Dharma Prakash (Bharathidasan University, India)

Prakash Sinthu Janita (Cauvery College for Women, India)

Raja S.V.Kasmir (SRM University, India)

Section 3:

Chapter 11

SWAMI:

Kilfoil Mark (University of New Brunswick, Canada)

Ghorbani Ali (University of New Brunswick, Canada)

Chapter 12

Analyzing the Traffic Characteristics for Evaluating the Performance of Web Caching

Sajeev G.P. (Government Engineering College, India)

Sebastian M.P. (National Institute of Technology, India)

Chapter 13

Increased Popularity through Compliance with Usability Guidelines in E-Learning Web Sites

Scowen Greg (ETH Zurich, Switzerland)

Regenbrecht Holger (University of Otago, New Zealand)

Chapter 14

Discovery and Mediation Approaches for Management of Net-Centric Web Services

Petry Frederick (Stennis Space Center, USA)

Ladner Roy (Stennis Space Center, USA)

Gupta Kalyan (Knexus Research, USA)

Moore Philip (Knexus Research, USA)

Aha David (Naval Research Laboratory, USA)

Lin Bruce (Stennis Space Center, USA)

Sween Richard (Stennis Space Center, USA)

Section 4:

Chapter 15

Measuring the Unmeasurable?

Saxon Andrew (Birmingham City University, UK)

Walker Shane (Birmingham City University, UK)

Prytherch David (Birmingham City University, UK)

Chapter 16

A Conceptual Tool for Usability Problem Identification in Website Development

Skov Mikael B. (Aalborg University, Denmark)

Stage Jan (Aalborg University, Denmark)

Chapter 17

A Framework for Early Usability Integration in Web Applications Development Process

Andrei Daniela M. (Babes-Bolyai University, Romania)

Guran Adriana M. (Babes-Bolyai University, Romania)

Chapter 18

Integrating Accessibility Evaluation into Web Engineering Processes

Power Christopher (University of York, United Kingdom)

Freire André Pimenta (University of York, United Kingdom)

Petrie Helen (University of York, United Kingdom)

Chapter 19

VoiceWeb:

Spiliotopoulos Dimitris (University of Athens, Greece)

Kouroupetroglou Georgios (University of Athens, Greece)

Stavropoulou Pepi (University of Athens, Greece)

Order Your Copy Today!

Name: _____

Organization: _____

Address: _____

City, State, Zip: _____

Country: _____

Tel: _____

Fax: _____

E-mail: _____

Enclosed is check payable to IGI Global in
US Dollars, drawn on a US-based bank

Credit Card Mastercard Visa Am. Express

3 or 4 Digit Security Code: _____

Name on Card: _____

Account #: _____

Expiration Date: _____