Models for Capitalizing on Web Engineering Advancements: Trends and Discoveries

Ghazi Alkhatib (Princess Sumaya University for Technology, Jordan)

The development of successful, usable Web-based systems and applications requires careful consideration of problems, needs, and unique circumstances within and among organizations. Uniting research from a number of different disciplines, Web engineering seeks to develop solutions and uncover new trends in the rapidly growing body of literature on Web system design, modeling, and methodology.

Models for Capitalizing on Web Engineering Advancements: Trends and Discoveries contains research on new developments and existing applications made possible by the principles of Web engineering. With selections focused on a broad range of applications—from telemedicine to geographic information retrieval—a book provides a foundation for further study of the unique challenges faced by Web application designers.

Topics Covered:
- Distributed Databases
- Geographic Information Retrieval
- Knowledge Discovery in Semantic Web
- Mobile Device Design
- Natural Language Processing
- QoS in Convergent Networks
- Search Engine Retrieval Systems
- Service Clouds
- Software Agent Communication
- Web Information Retrieval

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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.
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