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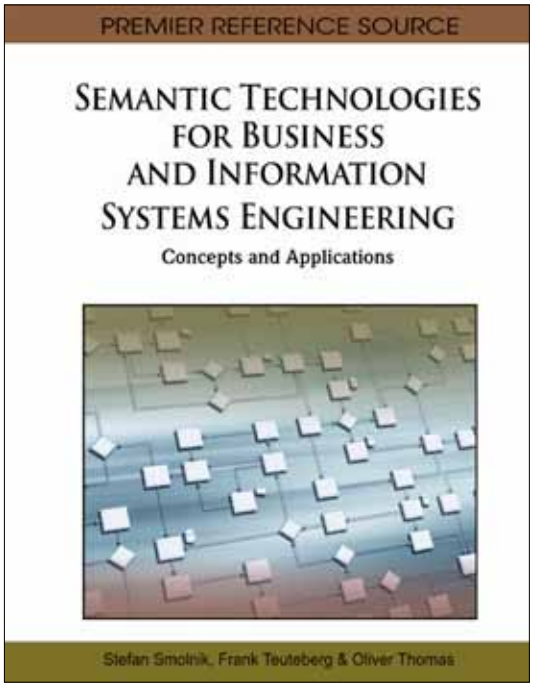
Semantic Technologies for Business and Information Systems Engineering: Concepts and Applications



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There are increasing opportunities to consider the application of semantic technologies for business information systems. Semantic technologies are expected to improve business processes and information systems, and lead to savings in cost and time as well as improved efficiency.

Semantic Technologies for Business and Information Systems Engineering: Concepts and Applications investigates the application of semantic technologies to business and information systems engineering. This reference work assists researchers in academia and industry, students, business process analysts, information management professionals, software engineers, and other practitioners in gaining knowledge on applying semantic technologies for advanced business information systems, in annotating semantics to business processes, and in semantically integrating advanced business information systems.

Topics Covered:

- Applications of semantic technologies
- Business interoperability issues
- Business process annotation techniques
- Business process intelligence and process mining
- Metrics for semantic conceptual models
- Ontology languages for advanced business information systems
- Semantic annotation of conceptual models using ontologies
- Semantic interoperability
- Semantic Web services and service-oriented architectures
- Standardization efforts in ontology engineering

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.

Stefan Smolnik is an Assistant Professor of Information and Knowledge Management at the EBS Universität für Wirtschaft und Recht in Germany. He holds a doctoral degree from University of Paderborn, Germany. Before joining EBS Universität für Wirtschaft und Recht, he worked as a Research and Teaching Assistant at the university's Groupware Competence Center. Stefan Smolnik has done research on the success and performance measurement of information and knowledge management systems, which has included several benchmarking studies. In addition, he is interested in the successful organizational implementation of social software. His work has been published in well reputed international journals and conference proceedings such as *Journal of Strategic Information Systems, Business & Information Systems Engineering, International Journal of Knowledge Management, Business Process Management Journal*, the proceedings of the Annual Hawaii International Conference on System Sciences, and the proceedings of the Annual International Conference on Information Systems.