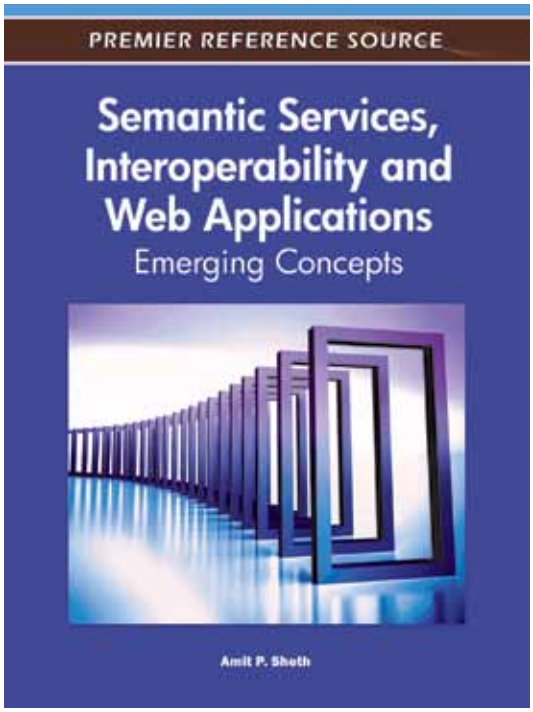
An Excellent Addition to Your Library!

Released: June 2011

Semantic Services, Interoperability and Web Applications: Emerging Concepts



ISBN: 9781609605933; © 2011; 420 pp.
Print: US $180.00 | Perpetual: US $255.00 | Print + Perpetual: US $360.00

Amit Sheth (Kno.e.sis Center, Wright State University, USA)

Semantic Web technology is of fundamental interest to researchers in a number of fields, including information systems and Web design, as continued advancements in this discipline impact other, related fields of study.

Semantic Services, Interoperability and Web Applications: Emerging Concepts offers suggestions, solutions, and recommendations for new and emerging research in Semantic Web technology. Focusing broadly on methods and techniques for making the Web more useful and meaningful, this book unites discussions on Semantic Web directions, issues, and challenges.

Topics Covered:

- Classification of Semantically Annotated Resources
- Community-Driven Linked Data Authoring
- Intelligent Systems
- OWL Reasoning for the Web
- Searching Linked Data
- Semantic Interoperability Conflicts
- Semantic Reasoning for Mobile Services
- Semantic Relatedness in Ontologies
- Semantic Web Data Management
- Semantic-Enabled Business Intelligence

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.

Amit Sheth is an educator, researcher and entrepreneur. He is a LexisNexis Eminent Scholar (an endowed faculty position, funded by LexisNexis and the Ohio Board of Regents) at Wright State University. He directs the Kno.e.sis center for Knowledge enabled Information & Services Science; which conducts research in Semantic Web, services computing and scientific worklfows. He was a professor at the University of Georgia where he founded and directed the LSDIS Lab. Prior to that, he served in R&D groups at Bellcore, Unisys and Honeywell. His research has led to several commercial products and two companies which he founded and managed in various executive roles: Infocosm, which had products in enterprise workflow management and Taalee/Voquette/Semagix, which was one of the earliest companies with Semantic Web applications and application development platforms. Professor Sheth is an IEEE Fellow and has received recognitions such as the IBM Faculty award. He has published over 250 papers and articles many of which are highly cited.

IGI GLOBAL
DISSEMINATOR OF KNOWLEDGE
www.igi-global.com

Publishing Academic Excellence
at the Pace of Technology Since 1988

Chapter 1
Solving Semantic Interoperability Conflicts in Cross-Border E-Government Services
Mocan Adrian (SAP Research CEC, Germany1)
Facca Federico M. (University of Innsbruck, Austria)
Loutas Nikolaos (University of Macedonia, Greece)
Peristeras Vassilios (National University of Ireland, Ireland)
Goudos Sotirios K. (Aristotle University of Thessaloniki, Greece)
Tarabanis Konstantinos (University of Macedonia, Greece)

Chapter 2
A New Similarity Measure for Automatic Construction of the Unknown Word Lexical Dictionary
Hwang Myunggwon (Chosun University, South Korea)
Kim Pankoo (Chosun University, South Korea)

Chapter 3
Extracting Concepts' Relations and Users' Preferences for Personalizing Query Disambiguation
Chen Yan (Georgia State University, USA)
Zhang Yan-Qing (Georgia State University, USA)

Chapter 4
The Berlin SPARQL Benchmark
Bizer Christian (Freie Universität Berlin, Germany)
Schultz Andreas (Freie Universität Berlin, Germany)

Chapter 5
Learning of OWL Class Expressions on Very Large Knowledge Bases and its Applications
Hellmann Sebastian (Universität Leipzig, Germany)
Lehmann Jens (Universität Leipzig, Germany)
Auer Sören (Universität Leipzig, Germany)

Chapter 6
*Scalable Authoritative OWL Reasoning for the Web**
Hogan Aidan (National University of Ireland – Galway, Ireland)
Harth Andreas (Karlsruher Institut für Technologie, Germany)
Polleres Axel (National University of Ireland – Galway, Ireland)

Chapter 7
Enabling Scalable Semantic Reasoning for Mobile Services
Steller Luke Albert (Monash University, Australia)
Krishnaswamy Shonali (Monash University, Australia)
Gaber Mohamed Methat (Monash University, Australia)

Chapter 8
Linked Data:
Bizer Christian (Freie Universität Berlin, Germany)
Heath Tom (Talis Information Ltd, UK)
Berners-Lee Tim (Massachusetts Institute of Technology, USA)

Chapter 9
Community-driven Consolidated Linked Data
Shakya Aman (Tribhuvan University, Nepal)
Takeda Hideaki (National Institute of Informatics, Japan)
Wuwongse Vilas (Asian Institute of Technology, Thailand)

Chapter 10
Searching Linked Objects with Falcons:
Cheng Gong (Nanjing University, China)
Qu Yuzhong (Nanjing University, China)

Chapter 11
A URI is Worth a Thousand Tags:
Passant Alexandre (National University of Ireland, Ireland)
Laublet Philippe (Université Paris-Sorbonne, France)
Breslin John G. (National University of Ireland, Ireland)
Decker Stefan (National University of Ireland, Ireland)

Chapter 12
An Idea Ontology for Innovation Management
Riedl Christoph (Technische Universität München, Germany)
May Norman (SAP CEC Karlsruhe, Germany)
Finzen Jan (Fraunhofer IAO, Germany)
Stathel Stephan (FZI, Germany)
Kaufman Viktor (SAP CEC Karlsruhe, Germany)
Krcmar Helmut (Technische Universität München, Germany)

Chapter 13
Inductive Classification of Semantically Annotated Resources through Reduced Coulomb Energy Networks
Fanizzi Nicola (Università degli studi di Bari, Italy)
d'Amato Claudia (Università degli studi di Bari, Italy)
Esposito Floriana (Università degli studi di Bari, Italy)

Chapter 14
A Comparison of Corpus-Based and Structural Methods on Approximation of Semantic Relatedness in Ontologies
Ruotsalo Tuukka (Aalto University, Finland)
Mäkelä Eetu (Aalto University, Finland)

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: _____