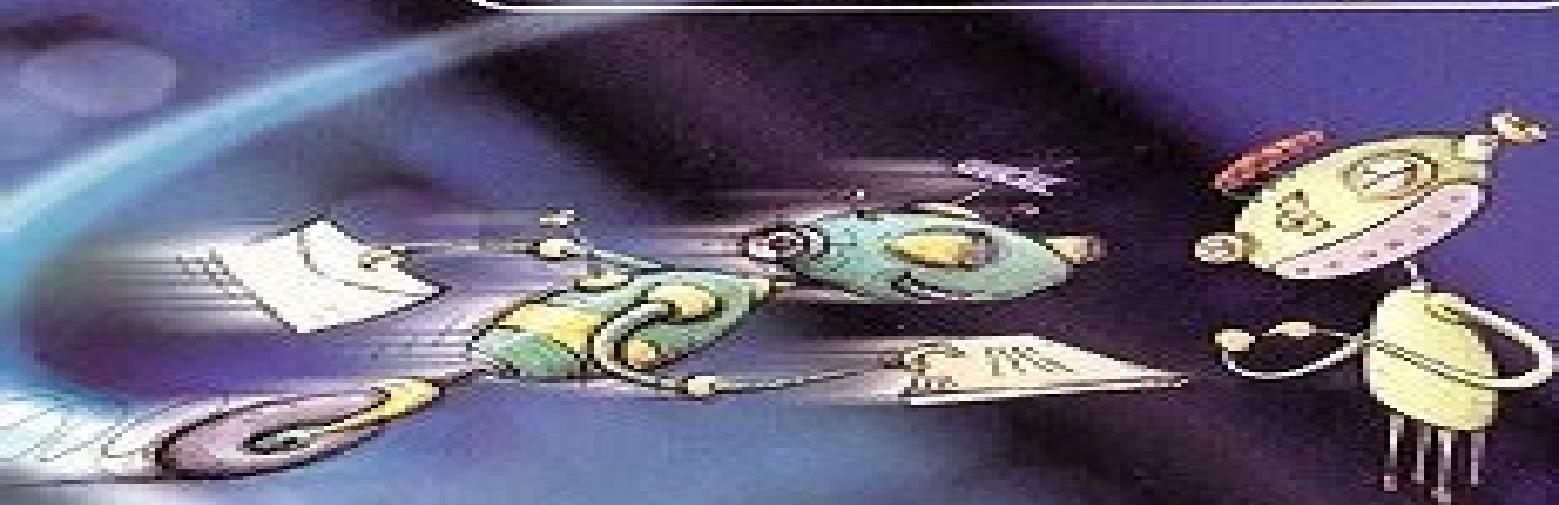


# Service-Oriented Computing

Semantics, Processes, Agents



Munindar P. Singh   Michael N. Huhns

WILEY

# Service Oriented Computing Semantics Processes Agents

**Mehdi Khosrowpour, Information  
Resources Management Association**



## **Service Oriented Computing Semantics Processes Agents:**

**Service-Oriented Computing** Munindar P. Singh, Michael N. Huhns, 2006-02-22 This comprehensive text explains the principles and practice of Web services and relates all concepts to practical examples and emerging standards Its discussions include Ontologies Semantic web technologies Peer to peer service discovery Service selection Web structure and link analysis Distributed transactions Process modelling Consistency management The application of these technologies is clearly explained within the context of planning negotiation contracts compliance privacy and network policies The presentation of the intellectual underpinnings of Web services draws from several key disciplines such as databases distributed computing artificial intelligence and multi agent systems for techniques and formalisms Ideas from these disciplines are united in the context of Web services and service based applications Featuring an accompanying website and teacher s manual that includes a complete set of transparencies for lectures copies of open source software for exercises and working implementations and resources to conduct course projects this book makes an excellent graduate textbook It will also prove an invaluable reference and training tool for practitioners

**Semantic Enterprise Application Integration for Business Processes: Service-Oriented Frameworks** Mentzas, Gregoris, Friesen, Andreas, 2009-09-30 This book provides methods that allow for access to corporate and customer data independent of where it resides Provided by publisher

Softwarereagenten und Soft Computing im Geschäftsprozessmanagement Volker Nissen, 2006 Pages 1 to 25 Pages 26 to 50 Pages 51 to 75 Pages 76 to 100 Pages 101 to 125 Pages 126 to 150 Pages 151 to 158 *Holonic and Multi-Agent Systems for Manufacturing* Thomas Strasser, 2009-08-17 This book constitutes the refereed proceedings of the 4th International Conference on Industrial Applications of Holonic and Multi Agent Systems HoloMAS 2009 held in Linz Austria August 31 September 2 2009 The 31 revised full papers presented were carefully reviewed and selected from 47 submissions The papers are organized in topical sections on introduction motivation knowledge centered approaches selected theoretical aspects MAS scheduling simulation holonic systems for manufacturing and MAS holonic applications

**Agent-Based Technologies and Applications for Enterprise Interoperability** Klaus Fischer, Jörg Müller, Renato Levy, 2012-03-09 The ATOP Agent Based Technologies and Applications for Enterprise Interoperability workshop series focuses on technologies that support interoperability in networked organizations on successful applications of these technologies and on lessons learned In particular ATOP brings together research combining ideas from MDA and SOA with agent technologies The ATOP 2009 and 2010 workshops were held at the AAMAS conferences in Budapest Hungary in May 2009 and in Toronto Canada in May 2010 The 11 papers presented here were carefully reviewed by three members of the international Program Committee and selected out of 25 contributions to the workshops The topics covered are modeling interoperable systems semantic approaches to enterprise interoperability and interoperable business processes and business interactions These papers are completed by an invited contribution reporting on OMG agent standardization The main goal was to collect approaches for

the application of agent technologies in these areas Current trends in the development of agent technologies are compared with recent developments in service oriented and model driven system design with respect to their ability to solve interoperability problems

**Cooperative Information Agents XII** Matthias Klusch, Michal Pechoucek, Axel Polleres, 2008-09-20 This book constitutes the refereed proceedings of the 12th International Workshop on Cooperative Information Agents CIA 2008 held in Prague Czech Republik in September 2008 The book contains 5 invited papers and 19 revised full papers which were carefully reviewed and selected from 38 submissions The papers are organized in topical sections on Trust Applications Coordination and Communications and Negotiation

*Semantic Web Services* Dieter Fensel, Federico Michele Facca, Elena Simperl, Ioan Toma, 2011-04-28 A paradigm shift is taking place in computer science one generation ago we learned to abstract from hardware to software now we are abstracting from software to serviceware implemented through service oriented computing Yet ensuring interoperability in open heterogeneous and dynamically changing environments such as the Internet remains a major challenge for actual machine to machine integration Usually significant problems in aligning data processes and protocols appear as soon as a specific piece of functionality is used within a different application context The Semantic Web Services SWS approach is about describing services with metadata on the basis of domain ontologies as a means to enable their automatic location execution combination and use Fensel and his coauthors provide a comprehensive overview of SWS in line with actual industrial practice They introduce the main sociotechnological components that ground the SWS vision like Web Science Service Science and service oriented architectures and several approaches that realize it e g the Web Service Modeling Framework OWL S and RESTful services The real world relevance is emphasized through a series of case studies from large scale R D projects and a business oriented proposition from the SWS technology provider Seekda Each chapter of the book is structured according to a predefined template covering both theoretical and practical aspects and including walk through examples and hands on exercises Additional learning material is available on the book website [www.swsbook.org](http://www.swsbook.org) With its additional features the book is ideally suited as the basis for courses or self study in this field and it may also serve as a reference for researchers looking for a state of the art overview of formalisms methods tools and applications related to SWS

**Agency and the Semantic Web** Christopher Walton, 2007 The author looks at the construction of the Semantic Web which enables computers to automatically and independently consume Web based information

Change Detection in Service-oriented Architectures Shamil M. Hadi, 2008

**Adams Pech, die Welt zu retten** Arto Paasilinna, 2009 Aatami Rym ttly hat den Weg aus der drohenden lkrise gefunden einen winzigen Akku der Strom im berfluss liefern kann Um die umw lzende Erfindung zu vermarkten fehlt Aatami jedoch das Geld Zum Gl ck nimmt sich Eeva Kontupohja des vom Pech verfolgten Weltretters an Die neue Energiequelle st sst jedoch nicht nur auf Gegenliebe Die lmultis setzen einen sizilianischen Killer auf Aatami an

Encyclopedia of E-business Development and Management in the Global Economy In Lee, 2010 As globalization and

competition pose new opportunities and challenges firms strive to discover effective and efficient e business models and applications to contribute to their sustainability growth and innovation The Encyclopedia of E Business Development and Management in the Global Economy creates a repository for educators researchers and industry professionals to collaborate and discuss their research ideas theories practical experiences challenges and opportunities while presenting tools and techniques in all aspects of e business development and management in the digital economy As the first and most comprehensive book to present aspects from the research industry managerial and technical sides of e business this collection appeals to policy makers e business application developers market researchers managers researchers professors and undergraduate graduate students in various academic disciplines

**Emergent Strategies for E-business Processes, Services, and Implications** In Lee,2009-01-01 Recently e business applications have evolved beyond business transactions and services to include customer relationship management CRM mobile computing Web mining e healthcare social networking and Web 2 0 As e business continues to create new business models and technologies researchers higher education faculty and practitioners are in great need of appropriate reference resources to enhance their understanding of all aspects of e business technologies and management Emergent Strategies for E Business Processes Services and Implications Advancing Corporate Frameworks is an authoritative collection of original in depth and innovative research articles on e business concepts models processes services and applications This book presents an integrated view of emerging issues and technologies addressed by renowned scholars providing researchers and practitioners with the state of the art reference for future research and practices on a wide range of topics including e CRM e business model multi channel management e health m commerce adoption offshore outsourcing and e business innovation

**Global Business** Mehdi Khosrowpour,Information Resources Management Association,2011-01-01 This multi volume reference examines critical issues and emerging trends in global business with topics ranging from managing new information technology in global business operations to ethics and communication strategies Provided by publisher

A Service-oriented Approach for Collaborative Process Management Woongsup Kim,2006

**Service-Oriented Computing: Agents, Semantics, and Engineering** Ryszard Kowalczyk,Michael N. Huhns,Matthias Klusch,Zakaria Maamar,Quoc Bao Vo,2008-05-01 This book constitutes the refereed proceedings of the International Workshop on Service Oriented Computing Agents Semantics and Engineering SOCASE 2008 held in Estoril Portugal as an associated event of AAMAS 2008 the main international conference on autonomous agents and multi agent systems The 11 revised full papers presented were carefully reviewed and selected for inclusion in the book The papers address a range of topics at the intersection of service oriented computing semantic technology and intelligent multiagent systems such as service description and discovery plannin

**SDL ...** ,2005

*American Book Publishing Record* ,2003

**Service-Oriented Computing: Agents, Semantics, and Engineering** Ryszard Kowalczyk,Quoc Bao Vo,Zakaria Maamar,Michael Huhns,2009-12-11 This book constitutes the thoroughly refereed

post conference proceedings of the International Workshop on Service Oriented Computing Agents Semantics and Engineering SOCASE 2009 held in Budapest Hungary as an associated event of AAMAS 2009 the main international conference on autonomous agents and multi agent systems The 10 revised full papers presented were carefully reviewed and selected for inclusion in the book The papers address a range of topics at the intersection of service oriented computing semantic technology and intelligent multiagent systems such as service description and discovery planning composition and negotiation semantic processes and service agents as well as applications     Distributed Computing Systems, 14th Conference (ICDCS-14) ,1994 The proceedings of ICDCS 13 comprise 74 papers in the areas of distributed system architecture and shared memory distributed operating systems distributed databases and information systems distributed system services and management distributed applications and cooperative work communication arc     Journal of Zhejiang University ,2006

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