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Collana	Information Systems and Applications, incl. Internet/Web, and HCI ; ; 4636
Disciplina	006.3
Soggetti	Application software Computer networks Information storage and retrieval Information technology Business—Data processing Computer logic Artificial intelligence Information Systems Applications (incl. Internet) Computer Communication Networks Information Storage and Retrieval IT in Business Logics and Meanings of Programs Artificial Intelligence
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Fundamentals of Reasoning and Reasoning Languages -- Foundations of Rule-Based Query Answering -- Reasoning in Description Logics: Basics, Extensions, and Relatives -- Rules, Rule Languages, and Policies -- Reactive Rules on the Web -- Rule-Based Policy Representation and Reasoning for the Semantic Web -- Rule Interchange on the Web --

Applications of Semantic Web Reasoning -- Reasoning in Semantic Wikis -- Semantic Wiki Representations for Building an Enterprise Knowledge Base -- Semantic Descriptions in an Enterprise Search Solution -- Semantic Web Service Discovery and Selection in B2B Integration Scenarios.

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**Sommario/riassunto**

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This book contains a collection of thoroughly revised tutorial papers based on lectures given by leading researchers at the Second International Summer School on the Reasoning Web in Dresden, Germany, September 2007. The nine tutorial papers cover methods and research issues of the Semantic Web, ontology languages and their relation to description logics, techniques in Web information extraction, employing ontologies to ease construction of software applications, and more.

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