
Law And The Semantic Web Legal Ontologies Methodologies Legal Information Retrieval And Applications Lecture Notes In Computer Science

An Introduction to the Semantic Web Intro to the Semantic Web What is Semantic Web, One Minute Series Semantic Web Tutorial 1/14: Introduction - What is the Semantic Web How To Learn Anything, Anywhere - Elon Musk The Semantic Web presentation The Semantic Web of Data Tim Berners-Lee Søren Mau on Communism, Capitalism, and Social Democracy The Semantic Web - An Overview Robert Greene's Motivation for Writing the 48 Laws of Power MATTERS OF STATE - A Political Thriller #politicalthriller Why You Should NOT Read 48 Laws of Power No Time To Read? 3 Best BOOK SUMMARY WEBSITES You'll Love Using Syntax Word-Power to Win A Legal Matter 6 Books to Understand Human Nature | Book Recommendations | Human psychology fantasy standalones reviews× first law What is the right order to read my books? | Robert Greene Say Less Than Necessary | Robert Greene Web 3.0 Explained In 5 Minutes | What Is Web 3.0 ? | Web3 For Beginners | Web 3.0 | Simplilearn Alexander O'Connor: Linked Data and the Semantic Web - Making Human Knowledge Programmable Knowledge Representation and the Semantic Web Law 46: Never Appear Too Perfect | Robert Greene Emphasising Relationships in the BBC's Data Using Technologies of the Semantic Web - Theo Windebank Building the Best Semantic Web what is semantic web !! Explained The Semantic Web: Myth and Reality

Methodologies, Modelling Trends, and the Ontology of Professional Judicial Knowledge

Computational Collective Intelligence. Semantic Web, Social Networks and Multiagent Systems

16th International Conference, ESWC 2019, Portorož, Slovenia, June 2-6, 2019, Proceedings

Agency and the Semantic Web

Theories, Domains, Methodologies

Languages, Dialogues, Games, Ontologies

Semantic Web Rules

Knowledge Representation in the Social Semantic Web

Legal Ontology Engineering

Rule-Based Modeling and Computing on the Semantic Web

The Semantic Web - ISWC 2005

4th International Semantic Web Conference, ISWC 2005, Galway, Ireland, November 6-10, 2005, Proceedings

Semantic Web Technologies and Legal Scholarly Publishing

Legal Theory, Sources of Law and the Semantic Web

Semantic Web Technologies

Semantic Processing of Legal Texts

Handbook of Research on Social Dimensions of Semantic Technologies and Web Services

Proceedings of the Seventh Joint Conference on Knowledge-based Software Engineering

How to Bring the Law Into the Semantic Web 2.0

Computable Models of the Law

Legal Ontologies, Methodologies, Legal Information Retrieval, and Applications

Sons

Attempts to construct an integrated conceptual framework for the application-neutral and problem-neutral representation of sources of law using Semantic Web technology and concepts and some technically straightforward extensions to Semantic Web technology based on established practices found in fielded applications.

Computational Collective Intelligence. Semantic Web, Social Networks and Multiagent Systems

Springer Science & Business Media

This book about legal ontologies and Semantic Web applications has its roots in workshops and conferences on Artificial Intelligence (AI) and Law. The domain of law belongs to the early adopters of ontologies and semantic web technology to support its enormous and fast growing demand for effective information management; it is probably only surpassed in this respect by the bio-sciences. Having easy access to relevant legal information among the rising flood of legal documentation is not only the concern of legal practitioners. The life and work of citizens becomes more and more entangled with legal issues as well. This volume reflects the wisdom abstracted from experiences accumulated over more than a decade of research and development in this area. It contains a representative overview of the state-of-the-art, covering both theoretical aspects and practical systems. The latter has been an important driver of research in this area, which can be observed from the geographical origins: the work discussed is mainly European, due to R&D initiatives of the European Commission in the various Framework programs. The Semantic Web is not only an area of research, but also a world wide project where easy-to-construct applications can directly find their communities of users. However, the semantics that are the engines for these applications are still the bottleneck in the development. Therefore one finds a large range of technologies and tricks to populate ontologies with machine understandable meaning of terms in this volume. This varies from the use of top-ontologies via design patterns to extraction of terms from text and alignment of existing terminologies. In fact, one may see this book not so much as the report of results of research, but rather as a specification of the elements of an emerging methodology for developing legal ontologies.

16th International Conference, ESWC 2019, Portorož, Slovenia, June 2-6, 2019, Proceedings Springer Science & Business Media

The Semantic Web, extends the popular, day-to-day Web, enabling computers and people to effectively work together by giving information well-defined meaning. Knitting the Semantic Web explains the interdisciplinary efforts underway to build a more library-like Web through “semantic knitting.” The book examines foundation activities and initiatives leading to standardized semantic metadata. These efforts lead to the Semantic Web—a network able to support computational activities and provide people with services efficiently. Leaders in library and information science, computer science, and information intensive domains provide insight and inspiration to give readers a greater understanding of the evolution of the Semantic Web. Librarians and information professionals are uniquely qualified to play a major role in the development and maintenance of the Semantic Web. Knitting the Semantic Web closely examines this crucial relationship in detail. This single source reviews the foundations, standards, and tools underlying the Semantic Web and presents thoughtful perspectives in the context of 2.0 developments. Many chapters include figures

to illustrate concepts and ideas, and the entire text is extensively referenced. Topics in Knitting the Semantic Web include: RDF, its expressive power, and its ability to underlie the new Library catalog card for the coming century the value and application for controlled vocabularies SKOS (Simple Knowledge Organization System), the newest Semantic Web language managing scheme versioning in the Semantic Web Physnet portal service for physics Semantic Web technologies in biomedicine developing the United Nations Food and Agriculture ontology Friend Of A Friend (FOAF) vocabulary specification—with a real world case study at a university Web/Library 2.0 and more Knitting the Semantic Web is a stimulating resource for professionals, researchers, educators, and students in library and information science, computer science, information architecture, Web design, and Web services.

Agency and the Semantic Web CRC Press

The first clear guide to the Semantic Web and its upcoming impact on the business world Imagine that, in 1992, someone handed you a book about the future of something called the World Wide Web. This book claimed that through a piece of software called a "browser", which accesses "web sites", the world economy and our daily lives would change forever. Would you have believed even 10 percent of that book? Did you take advantage of the first Internet wave and get ahead of the curve? Pull is the blueprint to the next disruptive wave. Some call it Web 3.0; others call it the semantic web. It's a fundamental transition from pushing information to pulling, using a new way of thinking and collaborating online. Using the principles of this book, you will slash 5-20 percent off your bottom line, make your customers happier, accelerate your industry, and prepare your company for the twenty-first century. It isn't going to be easy, and you don't have any choice. By 2015, your company will be more agile and your processes more flexible than you ever thought possible. The semantic web leads to possibilities straight from science fiction, such as buildings that can order their own supplies, eliminating the IRS, and lawyers finally making sense. But it also leads to major changes in every field, from shipping and retail distribution to health care and financial reporting. Through clear examples, case studies, principles, and scenarios, business strategist David Siegel takes you on a tour of this new world. You'll learn: -Which industries are already ahead. - Which industries are already dead. -How to make the power shift from pushing to pulling information. -How software, hardware, media, and marketing will all change. -How to plan your own strategy for embracing the semantic web. We are at the beginning of a new technology curve that will affect all areas of business. Right now, you have a choice. You can decide to start preparing for the exciting opportunities that lay ahead or you can leave this book on the shelf and get left in the dust like last time.

Theories, Domains, Methodologies IOS Press

This guide explains the law and regulation in the UK as it applies to the Internet. The text is designed to help practitioners not only to identify the practical legal questions likely to arise, but also how to deal with them effectively.

Languages, Dialogues, Games, Ontologies Springer Science & Business Media

With more substantial funding from research organizations and industry, numerous large-scale applications, and recently developed technologies, the Semantic Web is quickly emerging as a well-recognized and important area of computer science. While Semantic Web technologies are still

rapidly evolving, Foundations of Semantic Web Technologies focuses

Semantic Web Rules Springer

The main purpose of this book is to sum up the vital and highly topical research issue of knowledge representation on the Web and to discuss novel solutions by combining benefits of folksonomies and Web 2.0 approaches with ontologies and semantic technologies. The book contains an overview of knowledge representation approaches in past, present and future, introduction to ontologies, Web indexing and in first case the novel approaches of developing ontologies. "

Knowledge Representation in the Social Semantic Web Oxford University Press on Demand

This book constitutes the refereed proceedings of the International RuleML Symposium, RuleML 2011-America, held in Fort Lauderdale, FL, USA, in November 2011 - collocated with the 22nd International Joint Conference on Artificial Intelligence, IJCAI 2011. It is the second of two RuleML events that take place in 2011. The first RuleML Symposium, RuleML 2011-Europe, has been held in Barcelona, Spain, in July 2011. The 12 full papers, 5 short papers and 5 invited track and position papers presented together with 3 keynote speeches were carefully reviewed and selected from numerous submissions. The accepted papers address a wide range of rules, semantic technology, and cross-industry standards, rules and automated reasoning, rule-based event processing and reaction rules, vocabularies, ontologies and business rules, cloud computing and rules, clinical semantics and rules.

LEGAL ONTOLOGY ENGINEERING

IOS Press

This book constitutes the refereed proceedings of the 16th International Semantic Web Conference, ESWC 2019, held in Portorož, Slovenia. The 39 revised full papers presented were carefully reviewed and selected from 134 submissions. The papers are organized in three tracks: research track, resources track, and in-use track and deal with the following topical areas: distribution and decentralisation, velocity on the Web, research of research, ontologies and reasoning, linked data, natural language processing and information retrieval, semantic data management and data infrastructures, social and human aspects of the Semantic Web, and, machine learning.

Rule-Based Modeling and Computing on the Semantic Web Springer

The rapid advancement of semantic web technologies, along with the fact that they are at various levels of maturity, has left many practitioners confused about the current state of these technologies. Focusing on the most mature technologies, Applied Semantic Web Technologies integrates theory with case studies to illustrate the history, current state, and future direction of the semantic web. It maintains an emphasis on real-world applications and examines the technical and practical issues related to the use of semantic technologies in intelligent information management. The book starts with an introduction to the fundamentals—reviewing ontology basics, ontology languages, and research related to ontology alignment, mediation, and mapping. Next, it covers ontology engineering issues and presents a collaborative ontology engineering tool that is an extension of the Semantic MediaWiki. Unveiling a novel approach to data and knowledge engineering, the text: Introduces cutting-edge taxonomy-aware algorithms Examines semantics-based service composition in transport logistics Offers ontology alignment tools that use information

visualization techniques Explains how to enrich the representation of entity semantics in an ontology Addresses challenges in tackling the content creation bottleneck Using case studies, the book provides authoritative insights and highlights valuable lessons learned by the authors—information systems veterans with decades of experience. They explain how to create social ontologies and present examples of the application of semantic technologies in building automation, logistics, ontology-driven business process intelligence, decision making, and energy efficiency in smart homes.

The Semantic Web - ISWC 2005 John Wiley & Sons

This volume examines the basic layers of the standard-based creation and usage of legislation. In particular, it addresses the identification of legislative documents, their structure, the basic metadata and legislative changes. Since mature technologies and established practices are already in place for these layers, a standard-based approach is a necessary aspect of the up-to-date management of legislative resources. Starting out with an overview of the context for the use of XML standards in legislation, the book next examines the rationale of standard-based management of legislative documents. It goes on to address such issues as naming, the Akoma-Ntoso document model, the contribution of standard-based document management to handling legislative dynamics, meta-standards and interchange standards. The volume concludes with a discussion of semantic resources and a review on systems and projects.

4th International Semantic Web Conference, ISWC 2005, Galway, Ireland, November 6-10, 2005, Proceedings Springer Science & Business Media

The impact of IT on society, organizations, and individuals is growing as the power of the Web harnesses collective intelligence and knowledge. The Handbook of Research on Social Dimensions of Semantic Technologies and Web Services discusses the main issues, challenges, opportunities, and trends related to this new technology, transforming the way we use information and knowledge. This Handbook of Research is an excellent resource for researchers, academicians, and professionals with an interest in these significant technologies.

Semantic Web Technologies and Legal Scholarly Publishing Springer Science & Business Media

by Roberto Cencioni At the Lisbon Summit in March 2000, European heads of state and government set a new goal for the European Union — to become the most competitive knowled- based society in the world by 2010. As part of this objective, ICT (information and communication technologies) services should become available for every citizen, and for all schools, homes and businesses. The book you have in front of you is about Semantic Web technology and law. Law is something omnipresent; all citizens — at some points in their lives — have to deal with it. In addition, law involves a large group of professionals, and is a mul- billion business world wide. Information technology is important because it that can improve citizens' interaction with law, as well as improve legal professionals' work environment. Legal professionals dedicate a significant amount of their time to finding, reading, analyzing and synthesizing information in order to take decisions, and prepare advice and trials, among other tasks. As part of the "Semantic-Based Knowledge and Content Systems" Strategic Objective, the European Commission is funding projects to construct technology to make the Semantic Web vision come true. 1 The articles in this book are related to two current foci of the Strategic Objective : • Knowledge acquisition and modelling, capturing

knowledge from raw information and multimedia content in webs and other distributed repositories to turn poorly structured information into machine-processable knowledge.

Legal Theory, Sources of Law and the Semantic Web Springer Science & Business Media
Social Networks and the Semantic Web offers valuable information to practitioners developing social-semantic software for the Web. It provides two major case studies. The first case study shows the possibilities of tracking a research community over the Web. It reveals how social network mining from the web plays an important role for obtaining large scale, dynamic network data beyond the possibilities of survey methods. The second case study highlights the role of the social context in user-generated classifications in content, such as the tagging systems known as folksonomies.

SEMANTIC WEB TECHNOLOGIES

IOS Press

The changes brought about by digital technology and the consequent explosion of information known as Big Data have brought opportunities and challenges in all areas of society, and the law is no exception. This book, *Knowledge of the Law in the Big Data Age* contains a selection of the papers presented at the conference 'Law via the Internet 2018', held in Florence, Italy, on 11-12 October 2018. This annual conference of the 'Free Access to Law Movement' (<http://www.fatlm.org>) hosted more than 60 international speakers from universities, government and research bodies as well as EU institutions. Topics covered range from free access to law and Big Data and data analytics in the legal domain, to policy issues concerning access, publishing and the dissemination of legal information, tools to support democratic participation and opportunities for digital democracy. The book is divided into 3 sections: Part I provides an introductory background, covering aspects such as the evolution of legal science and models for representing the law; Part II addresses the present and future of access to law and to various legal information sources; and Part III covers updates in projects, initiatives, and concrete achievements in the field. The book provides an overview of the practical implementation of legal information systems and the tools to manage this special kind of information, as well as some of the critical issues which must be faced, and will be of interest to all those working at the intersection of law and technology.

Semantic Processing of Legal Texts Springer

Law and the Semantic Web Legal Ontologies, Methodologies, Legal Information Retrieval, and Applications Springer

Handbook of Research on Social Dimensions of Semantic Technologies and Web Services Springer

The book provides the reader with a unique source regarding the current theoretical landscape in legal ontology engineering as well as on foreseeable future trends for the definition of conceptual structures to enhance the automatic processing and retrieval of legal information in the Semantic Web framework. It will thus interest researchers in the domains of the SW, legal informatics, Artificial Intelligence and law, legal theory and legal philosophy, as well as developers of e-government applications based on the intelligent management of legal or public information to provide both back-office and front-office support.

Proceedings of the Seventh Joint Conference on Knowledge-based Software Engineering Cambridge

University Press

Recent years have seen much new research on the interface between artificial intelligence and law, looking at issues such as automated legal reasoning. This collection of papers represents the state of the art in this fascinating and highly topical field.

How to Bring the Law Into the Semantic Web 2.0 IOS Press

The two-volume set LNCS 7031 and 7032 constitutes the proceedings of the 10th International Semantic Web Conference, ISWC 2011, held in Bonn, Germany, in October 2011. Part I, LNCS 7031, contains 50 research papers which were carefully reviewed and selected from 264 submissions. The 17 semantic web in-use track papers contained in part II, LNCS 7032, were selected from 75 submissions. This volume also contains 15 doctoral consortium papers, selected from 31 submissions. The topics covered are: ontologies and semantics; database, IR, and AI technologies for the semantic web; management of semantic web data; reasoning over semantic web data; search, query, integration, and analysis on the semantic web; robust and scalable knowledge management and reasoning on the web; interacting with semantic web data; ontology modularity, mapping, merging and alignment; languages, tools, and methodologies for representing and managing semantic web data; ontology, methodology, evaluation, reuse, extraction and evolution; evaluation of semantic web technologies or data; specific ontologies and ontology pattern for the semantic web; new formalisms for semantic web; user interfaces to the semantic web; cleaning, assurance, and provenance of semantic web data; services, and processes; social semantic web, evaluation of semantic web technology; semantic web population from the human web.

Computable Models of the Law IOS Press

The Semantic Web combines the descriptive languages RDF (Resource Description Framework) and OWL (Web Ontology Language), with the data-centric, customizable XML (eXtensible Mark-up Language) to provide descriptions of the content of Web documents. These machine-interpretable descriptions allow more intelligent software systems to be written, automating the analysis and exploitation of web-based information. Software agents will be able to create automatically new services from already published services, with potentially huge implications for models of e-Business. *Semantic Web Technologies* provides a comprehensive overview of key semantic knowledge technologies and research. The authors explain (semi-)automatic ontology generation and metadata extraction in depth, along with ontology management and mediation. Further chapters examine how Semantic Web technology is being applied in knowledge management ("Semantic Information Access") and in the next generation of Web services. *Semantic Web Technologies: Provides a comprehensive exposition of the state-of-the art in Semantic Web research and key technologies. Explains the use of ontologies and metadata to achieve machine-interpretable. Describes methods for ontology learning and metadata generation. Discusses ontology management and evolution, covering ontology change detection and propagation, ontology dependency and mediation. Illustrates the theoretical concepts with three case studies on industrial applications in digital libraries, the legal sector and the telecommunication industry. Graduate and advanced undergraduate students, academic and industrial researchers in the field will all find Semantic Web Technologies an essential guide to the technologies of the Semantic Web.*

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