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Properties, Types and Meaning

Volume II: Semantic Issues

Springer Science & Business Media This collection of papers stems originally from a conference on Property Theory, Type Theory and Semantics held in Amherst on March 13-16 1986. The conference brought together logicians, philosophers, computer scientists and linguists who had been working on these issues (of ten in isolation from one another). Our intent was to boost debate and exchange of ideas on these fundamental issues at a time of rapid change in semantics and cognitive science. The papers published in this work have evolved substantially since their original presentation at the conference. Given their scope, we thought it convenient to divide the work into two volumes. The first deals primarily with logical and philosophical foundations, the second with more empirical semantic issues. While there is a common set of issues tying the two volumes together, they are both self-contained and can be read independently of one another. Two of the papers in the present collection (van Benthem in volume 1 and Chierchia in volume II) were not actually read at the conference. They are nevertheless included here for their direct relevance to the topics of the volumes. Regrettably, some of the papers that were presented (Feferman, Klein, and Plotkin) could not be included in the present work due to timing problems. We nevertheless thank the authors for their contribution in terms of ideas and participation in the debate.

Semantics:

Cambridge University Press This book, which can be read independently, deals with more specifically linguistic problems in semantics and contains substantial original material.

The Semantics of Relationships

An Interdisciplinary Perspective

Springer Science & Business Media The genesis of this volume was the participation of the editors in an ACMISIGIR (Association for Computing Machinery/Special Interest Group on Information Retrieval) workshop entitled "Beyond Word Relations" (Hetzler, 1997). This workshop examined a number of relationship types with significance for information retrieval beyond the conventional topic-matching relationship. From this shared participation came the idea for an edited volume on relationships, with chapters to be solicited from researchers and practitioners throughout the world. Ultimately, one volume became two volumes. The first volume, Relationships in the Organization of Knowledge (Bean & Green, 2001), examines the role of relationships in knowledge organization theory and practice, with emphasis given to thesaural relationships and integration across systems, languages, cultures, and disciplines. This second volume examines relationships in a broader array of contexts. The two volumes should be seen as companions, each informing the other. As with the companion volume, we are especially grateful to the authors who willingly accepted challenges of space and time to produce chapters that summarize extensive bodies of research. The value of the volume clearly resides in the quality of the individual chapters. In naming this volume The Semantics of Relationships: An Interdisciplinary Perspective, we wanted to highlight the fact that relationships are not just empty connectives. Relationships constitute important conceptual units and make significant contributions to meaning.

Linguistic Semantics

Routledge This volume is a comprehensive, up-to-date, and readable introduction to linguistic meaning. While partial to conceptual and typological approaches, the book also presents results from formal approaches. Throughout, the focus is on grammatical meaning -- the way languages delineate universal semantic space and encode it in grammatical form. Subjects covered by the author include:

the domain of linguistic semantics and the basic tools, assumptions, and issues of semantic analysis; semantic properties of entities, events, and thematic roles; language and space; tense, aspect, and the internal structure and temporal ordering of events; modality, negation, and the epistemology of the speaker; and modification and attribution. In contrast to most current treatments of semantics, this book is accessible to the beginning student of semantics and linguistics and also useful to the advanced practitioner. A textbook and reference work in a single volume, it can be used in a number of disciplines: psychology, computer science, and anthropology as well as linguistics.

Semantics and Morphosyntactic Variation

Qualities and the Grammar of Property Concepts

Oxford University Press Explores why different languages have systematically different ways of saying the same thing. It focuses on adjectival predication and shows that systematic differences in the meaning of words expressing adjectival notions have systematic effects on the form of the sentences they appear in

Semantics: Volume 2

Cambridge University Press Anyone who writes an up-to-date textbook of semantics has to be au fait with an extremely wide range of contemporary academic activity. John Lyons' new book demonstrates a remarkable ability to achieve such catholicity of expertise...

Semantics: Volume 1

Cambridge University Press Anyone who writes an up-to-date textbook of semantics has to be au fait with an extremely wide range of contemporary academic activity. John Lyons' new book demonstrates a remarkable ability to achieve such catholicity of expertise...

Encyclopedia of Database Technologies and Applications

IGI Global "Addresses the evolution of database management, technologies and applications along with the progress and endeavors of new research areas."--P. xiii.

Semantic Systems. The Power of AI and Knowledge Graphs

15th International Conference, SEMANTiCS 2019, Karlsruhe, Germany, September 9–12, 2019, Proceedings

Springer Nature This open access book constitutes the refereed proceedings of the 15th International Conference on Semantic Systems, SEMANTiCS 2019, held in Karlsruhe, Germany, in September 2019. The 20 full papers and 8 short papers presented in this volume were carefully reviewed and selected from 88 submissions. They cover topics such as: web semantics and linked (open) data; machine learning and deep learning techniques; semantic information management and knowledge integration; terminology, thesaurus and ontology management; data mining and knowledge discovery; semantics in blockchain and distributed ledger technologies.

Semantics Empowered Web 3.0

Springer Nature After the traditional document-centric Web 1.0 and user-generated content focused Web 2.0, Web 3.0 has become a repository of an ever growing variety of Web resources that include data and services associated with enterprises, social networks, sensors, cloud, as well as mobile and other devices that constitute the Internet of Things. These pose unprecedented challenges in terms of heterogeneity (variety), scale (volume), and continuous changes (velocity), as well as present corresponding opportunities if they can be exploited. Just as semantics has played a critical role in dealing with data heterogeneity in the past to provide interoperability and integration, it is playing an even more critical role in dealing with the challenges and helping users and applications exploit all forms of Web 3.0 data. This book presents a unified approach to harness and exploit all forms of contemporary

Web resources using the core principles of ability to associate meaning with data through conceptual or domain models and semantic descriptions including annotations, and through advanced semantic techniques for search, integration, and analysis. It discusses the use of Semantic Web standards and techniques when appropriate, but also advocates the use of lighter weight, easier to use, and more scalable options when they are more suitable. The authors' extensive experience spanning research and prototypes to development of operational applications and commercial technologies and products guide the treatment of the material. Table of Contents: Role of Semantics and Metadata / Types and Models of Semantics / Annotation -- Adding Semantics to Data / Semantics for Enterprise Data / Semantics for Services / Semantics for Sensor Data / Semantics for Social Data / Semantics for Cloud Computing / Semantics for Advanced Applications

Multimedia Semantics

Metadata, Analysis and Interaction

John Wiley & Sons In this book, the authors present the latest research results in the multimedia and semantic web communities, bridging the "Semantic Gap" This book explains, collects and reports on the latest research results that aim at narrowing the so-called multimedia "Semantic Gap": the large disparity between descriptions of multimedia content that can be computed automatically, and the richness and subjectivity of semantics in user queries and human interpretations of audiovisual media. Addressing the grand challenge posed by the "Semantic Gap" requires a multi-disciplinary approach (computer science, computer vision and signal processing, cognitive science, web science, etc.) and this is reflected in recent research in this area. In addition, the book targets an interdisciplinary community, and in particular the Multimedia and the Semantic Web communities. Finally, the authors provide both the fundamental knowledge and the latest state-of-the-art results from both communities with the goal of making the knowledge of one community available to the other. Key Features: Presents state-of-the art research results in multimedia semantics: multimedia analysis, metadata standards and multimedia knowledge representation, semantic interaction with multimedia Contains real industrial problems exemplified by user case scenarios Offers an insight into various standardisation bodies including W3C, IPTC and ISO MPEG Contains contributions from academic and industrial communities from Europe, USA and Asia Includes an accompanying website containing user cases, datasets, and software mentioned in the book, as well as links to the K-Space NoE and the SMaRT society web sites (<http://www.multimediasemantics.com/>) This book will be a valuable reference for academic and industry researchers /practitioners in multimedia, computational intelligence and computer science fields. Graduate students, project leaders, and

consultants will also find this book of interest.

Metadata and Semantics

Springer Science & Business Media This is an edited volume based on the 2007 Conference on Metadata and Semantics Research (MTSR), now in its second meeting. Metadata research is a pluri-disciplinary field that encompasses all aspects of the definition, creation, assessment, management and use of metadata. The volume brings together world class leaders to contribute their research and up-to-date information on metadata and semantics applied to library management, e-commerce, e-business, information science and librarianship, to name a few. The book is designed for a professional audience composed of researchers and practitioners in industry.

Semantic Web Rules

International Symposium, RuleML 2010, Washington, DC, USA, October 21-23, 2010, Proceedings

Springer This book constitutes the refereed proceedings of the International RuleML Symposium on Rule Interchange and Applications, RuleML 2010, held in Washington, DC, USA, in October 2010 - collocated with the 13th International Business Rules Forum Conference 2010. The 14 revised full papers and 7 revised short papers presented together with the abstracts of 3 keynote lectures were carefully reviewed and selected from 42 submissions. The accepted papers address a wide range of rule topics, including traditional topics, such as rules and uncertainty, rule-based event processing and reaction rules, rules and inferencing, rule transformation and extraction, rules, semantic technology, and cross-industry standards, rules and norms, rule-based distributed/multi-agent systems, and miscellaneous rule topics.

The Semantic Web - ISWC 2004

Third International Semantic Web Conference, Hiroshima, Japan, November 7-11, 2004. Proceedings

Springer Science & Business Media This book constitutes the refereed proceedings of the Third International Semantic Web Conference, ISWC 2004, held in Hiroshima, Japan in November 2004. The 55 revised full papers presented together with abstracts of 2 invited talks were carefully reviewed and selected from a total of 227 submitted papers. The papers are organized in topical sections on data semantics, p2p systems, semantic Web mining, tools and methodologies for Web agents, user interfaces and visualization, large scale knowledge management, semantic Web services, inference, searching and querying, semantic Web middleware, integration and interoperability, ontologies, and industrial track.

The Semantic Web -- ISWC 2012

11th International Semantic Web Conference, Boston, MA, USA, November 11-15, 2012, Proceedings, Part II

Springer The two-volume set LNCS 7649 + 7650 constitutes the refereed proceedings of the 11th International Semantic Web Conference, ISWC 2012, held in Boston, MA, USA, in November 2012. The International Semantic Web Conference is the premier forum for Semantic Web research, where cutting edge scientific results and technological innovations are presented, where problems and solutions are discussed, and where the future of this vision is being developed. It brings together specialists in fields such as artificial intelligence, databases, social networks, distributed computing, Web engineering, information systems, human-computer interaction, natural language processing, and the social sciences. Volume 1 contains a total of 41 papers which were presented in the research track. They were carefully reviewed and selected from 186 submissions. Volume 2 contains 17 papers from the in-use track

which were accepted from 77 submissions. In addition, it presents 8 contributions to the evaluations and experiments track and 7 long papers and 8 short papers of the doctoral consortium.

Context and Semantics for Knowledge Management Technologies for Personal Productivity

Springer Science & Business Media Knowledge and information are among the biggest assets of enterprises and organizations. However, efficiently managing, maintaining, accessing, and reusing this intangible treasure is difficult. Information overload makes it difficult to focus on the information that really matters; the fact that much corporate knowledge only resides in employees' heads seriously hampers reuse. The work described in this book is motivated by the need to increase the productivity of knowledge work. Based on results from the EU-funded ACTIVE project and complemented by recent related results from other researchers, the application of three approaches is presented: the synergy of Web 2.0 and semantic technology; context-based information delivery; and the use of technology to support informal user processes. The contributions are organized in five parts. Part I comprises a general introduction and a description of the opportunities and challenges faced by organizations in exploiting Web 2.0 capabilities. Part II looks at the technologies, and also some methodologies, developed in ACTIVE. Part III describes how these technologies have been evaluated in three case studies within the project. Part IV starts with a chapter describing the principal market trends for knowledge management solutions, and then includes a number of chapters describing work complementary to ACTIVE. Finally, Part V draws conclusions and indicates further areas for research. Overall, this book mainly aims at researchers in academia and industry looking for a state-of-the-art overview of the use of semantic and Web 2.0 technologies for knowledge management and personal productivity. Practitioners in industry will also benefit, in particular from the case studies which highlight cutting-edge applications in these fields.

Intelligent Asset Management

Springer Nature This book presents a systematic application of recent advances in artificial intelligence (AI) to the problem of asset management. While natural language processing and text mining techniques, such as semantic representation, sentiment analysis, entity extraction, commonsense reasoning, and fact checking have been evolving for decades, finance theories have not yet fully

considered and adapted to these ideas. In this unique, readable volume, the authors discuss integrating textual knowledge and market sentiment step-by-step, offering readers new insights into the most popular portfolio optimization theories: the Markowitz model and the Black-Litterman model. The authors also provide valuable visions of how AI technology-based infrastructures could cut the cost of and automate wealth management procedures. This inspiring book is a must-read for researchers and bankers interested in cutting-edge AI applications in finance.

Metadata and Semantics Research

10th International Conference, MTSR 2016, Göttingen, Germany, November 22-25, 2016, Proceedings

Springer This book constitutes the refereed proceedings of the 10th Metadata and Semantics Research Conference, MTSR 2016, held in Göttingen, Germany, in November 2016. The 26 full papers and 6 short papers presented were carefully reviewed and selected from 67 submissions. The papers are organized in several sessions and tracks: Digital Libraries, Information Retrieval, Linked and Social Data, Metadata and Semantics for Open Repositories, Research Information Systems and Data Infrastructures, Metadata and Semantics for Agriculture, Food and Environment, Metadata and Semantics for Cultural Collections and Applications, European and National Projects.

The Semantic Web -- ISWC 2011

10th International Semantic Web Conference, Bonn, Germany, October 23-27, 2011, Proceedings, Part I

Springer The two-volume set LNCS 7031 and LNCS 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.

Perspectives of Systems Informatics

5th International Andrei Ershov Memorial Conference, PSI 2003, Akademgorodok, Novosibirsk, Russia, July 9-12, 2003, Revised Papers

Springer Science & Business Media This book constitutes the thoroughly refereed postconference proceedings of the 5th International Andrei Ershov Memorial Conference, PSI 2003, held in Akademgorodok, Novosibirsk, Russia in July 2003. The 55 revised full papers presented were carefully reviewed and selected from 110 submissions during two rounds of evaluation and improvement. The papers are organized in topical sections on programming, software engineering, software education, program synthesis and transformation, graphical interfaces, partial evaluation and supercompilation, verification, logic and types, concurrent and distributed systems, reactive systems, program specification, verification and model checking, constraint programming, documentation and testing, databases, and natural language processing.

Script-Based Semantics

Foundations and Applications. Essays in Honor of Victor Raskin

Walter de Gruyter GmbH & Co KG The book contains essays in honor of Victor Raskin. The contributions are all directly related to some of the major areas of work in which Raskin's scholarship has spanned for decades. The obvious connecting idea is the encyclopedic script-based foundation of lexical meaning, which informs his pioneering work in semantics in the 1970s and 1980s. The first part of the book collects articles directly concerned with script-based semantics, which examine both the theoretical and methodological premises of the idea and its applications. Script-based semantics is the foundation of both Raskin's ground-breaking work in humor research (addressed by the articles in part 2) and in Ontological semantics (addressed in part 3), the most recent development of script-based semantics. The fourth part is dedicated to a less-known, but equally important, strand of Raskin's research, the applications of linguistics to other fields, including writing, lexicography, and professional applications (e.g., tourism). Overall, the book provides an up-to-date, in-depth discussion of an influential strand of the discussion on semantics and its most recent developments and influence on other seemingly unrelated fields, such as Cognitive Linguistics.

Enterprise Interoperability

Interoperability for Agility, Resilience and Plasticity of Collaborations (I-ESA 14 Proceedings)

John Wiley & Sons Enterprises and organizations of any kind embedded in today's economic environment are deeply dependent on their ability to take part in collaborations. Consequently, it is strongly required for them to get actively involved for their own benefit in emerging, potentially opportunistic collaborative enterprise networks. The concept of "interoperability" has been defined by INTEROP-

VLab as “The ability of an enterprise system or application to interact with others at a low cost in a flexible approach”. Consequently, interoperability of organizations appears as a major issue to succeed in building on the fly emerging enterprise networks. The International Conference on Interoperability for Enterprise Systems and Applications (I-ESA 2014) was held under the motto “interoperability for agility, resilience and plasticity of collaborations” on March 26-28, 2014 and organized by the Ecole des Mines d’Albi-Carmaux, France on behalf of the European Laboratory for Enterprise Interoperability (INTEROP-VLab). On March 24-25, co-located with the conference eight workshops and one doctoral symposium were held in four tracks complementing the program of the I-ESA’14 conference. The workshops and the doctoral symposium address areas of greatest current activity focusing on active discussions among the leading researchers in the area of Enterprise Interoperability. This part of the conference helps the community to operate effectively, building co-operative and supportive international links as well as providing new knowledge of on-going research to practitioners. The workshops and doctoral symposium aimed at exploiting new issues, challenges and solutions for Enterprise Interoperability (EI) and associated domains of innovation such as Smart Industry, Internet-Of-Things, Factories of the Future, EI Applications and Standardisation. These proceedings include the short papers from the I-ESA’14 workshops and the doctoral symposium. The book is split up into 9 sections, one for each workshop and one for the doctoral symposium. All sections were organized following four tracks: (1) EI and Future Internet / Factory of the Future; (2) EI Application Domains and IT; (3) EI Standards; (4) EI Doctoral Symposium. For each section, a workshop report is provided summarizing the content and the issues discussed during the sessions. The goal of the first track was to offer a discussion opportunity on interoperability issues regarding the use of Internet of Things on manufacturing environment (Workshops 1 and 3) on one hand, and regarding the potential of innovation derived from the use of digital methods, architectures and services such as Smart Networks (Workshops 2 and 4) on the other hand. The second track focused on particular application domains that are looking for innovative solutions to support their strong collaborative needs. Thus, the track developed one workshop on the use of EI solution for Future City-Logistics (Workshop 5) and one on the use of EI solutions for Crisis / Disaster Management (Workshop 6). The third track studied the recent developments in EI standardization. Two workshops were dedicated to this issue. The first one has proposed to focus on the management of standardization (Workshop 8) and the second one has chosen to work on the new knowledge on standardization developments in the manufacturing service domain (Workshop 9). The last track, the doctoral symposium presented research results from selected dissertations. The session discussed EI knowledge issues, notably in terms of gathering through social networks or Internet of Things and of exploitation through innovative decision support systems.

Databases and Information Systems V

Selected Papers from the Eighth International Baltic Conference, DB&IS 2008

IOS Press The Eighth International Baltic Conference on Databases and Information Systems took place on June 25 2008 in Tallinn, Estonia. This conference is continuing a series of successful bi-annual Baltic conferences on databases and information systems (IS). The aim is to provide a wide international forum for academics and practitioners in the field of databases and modern information systems for exchanging their achievements in this area. The original research results presented in Databases and Information Systems V mostly belong to novel fields of IS and database research such as database technology and the semantic web, ontology-based IS, IS and AI technologies and IS integration. The contribution of Dr. Jari Palomaumiki showed how different ontological commitments affect the way we are modeling the world when creating an information system. As semantic technologies have been gaining more attention recently, a special session on semantic interoperability of IS was organized. The invited talks from each Baltic State gave a good insight how semantic interoperability initiatives are developing in each of the Baltic States and how they relate to the European semantic interoperability framework.

Semantic IoT: Theory and Applications

Interoperability, Provenance and Beyond

Springer Nature This book is focused on an emerging area, i.e. combination of IoT and semantic technologies, which should enable breaking the silos of local and/or domain-specific IoT deployments. Taking into account the way that IoT ecosystems are realized, several challenges can be identified. Among them of definite importance are (this list is, obviously, not exhaustive): (i) How to provide common representation and/or shared understanding of data that will enable analysis across (systematically growing) ecosystems? (ii) How to build ecosystems based on data flows? (iii) How to track data provenance? (iv) How to ensure/manage trust? (v) How to search

for things/data within ecosystems? (vi) How to store data and assure its quality? Semantic technologies are often considered among the possible ways of addressing these (and other, related) questions. More precisely, in academic research and in industrial practice, semantic technologies materialize in the following contexts (this list is, also, not exhaustive, but indicates the breadth of scope of semantic technology usability): (i) representation of artefacts in IoT ecosystems and IoT networks, (ii) providing interoperability between heterogeneous IoT artefacts, (ii) representation of provenance information, enabling provenance tracking, trust establishment, and quality assessment, (iv) semantic search, enabling flexible access to data originating in different places across the ecosystem, (v) flexible storage of heterogeneous data. Finally, Semantic Web, Web of Things, and Linked Open Data are architectural paradigms, with which the aforementioned solutions are to be integrated, to provide production-ready deployments.

The Semantic Web: ESWC 2012 Satellite Events

ESWC 2012 Satellite Events, Heraklion, Crete, Greece, May 27-31, 2012. Revised Selected Papers

Springer This book constitutes the thoroughly refereed post-proceedings of the satellite events of the 9th International Conference on the Semantic Web, ESWC 2012, held in Heraklion, Crete, Greece, in May 2012. This volume contains 49 full papers and 13 short papers describing the posters and demonstrations. (SUGGESTION/ HELP needed).

Providing Semantic Links to the Invisible Geospatial Web

Universidad de Zaragoza

Model-Driven Risk Analysis

The CORAS Approach

Springer Science & Business Media The term “risk” is known from many fields, and we are used to references to contractual risk, economic risk, operational risk, legal risk, security risk, and so forth. We conduct risk analysis, using either offensive or defensive approaches to identify and assess risk. Offensive approaches are concerned with balancing potential gain against risk of investment loss, while defensive approaches are concerned with protecting assets that already exist. In this book, Lund, Solhaug and Stølen focus on defensive risk analysis, and more explicitly on a particular approach called CORAS. CORAS is a model-driven method for defensive risk analysis featuring a tool-supported modelling language specially designed to model risks. Their book serves as an introduction to risk analysis in general, including the central concepts and notions in risk analysis and their relations. The authors’ aim is to support risk analysts in conducting structured and stepwise risk analysis. To this end, the book is divided into three main parts. Part I of the book introduces and demonstrates the central concepts and notation used in CORAS, and is largely example-driven. Part II gives a thorough description of the CORAS method and modelling language. After having completed this part of the book, the reader should know enough to use the method in practice. Finally, Part III addresses issues that require special attention and treatment, but still are often encountered in real-life risk analysis and for which CORAS offers helpful advice and assistance. This part also includes a short presentation of the CORAS tool support. The main target groups of the book are IT practitioners and students at graduate or undergraduate level. They will appreciate a concise introduction into the emerging field of risk analysis, supported by a sound methodology, and completed with numerous examples and detailed guidelines.

Developing Future Interactive Systems

IGI Global A compilation of knowledge collected from several researchers in the field of interactive systems, offering an overview of the different parts of the environment that must be taken into account to develop a quality interactive systems from the software engineering discipline.

Semantics and Logics of Computation

Cambridge University Press Summer school lecture courses on modern logic and computation are presented here.

Economic Semantics

Routledge When the original edition was first published in 1963, Machlip observed ' I hope that the availability of this collection will dispel semantic and conceptual fog and allow greater visibility...'. The work is divided into five sections with a new essay in this edition on 'Are the Social Sciences Really Inferior?' There is also a new introduction by Mark Perlman, University Professor of Economics at the University of Pittsburgh.

Metadata and Semantic Research

12th International Conference, MTSR 2018, Limassol, Cyprus, October 23-26, 2018, Revised Selected Papers

Springer This book constitutes the thoroughly refereed proceedings of the 12th International Conference on Metadata and Semantic Research, MTSR 2018, held in Limassol, Cyprus, on October 23-26, 2018. The 19 full and 16 short papers presented were carefully reviewed and selected from 77 submissions. The papers are organized in topical sections on metadata, linked data, semantics, ontologies and SKOS; digital libraries, information retrieval, big, linked, social and open data; cultural collections and applications; Knowledge IT Artifacts (KITA) in professional communities and aggregations; Digital Humanities and Digital Curation (DHC); European and national projects; agriculture, food and environment; open repositories, research information systems and data infrastructures.

Semantic Multimedia and Ontologies

Theory and Applications

Springer Science & Business Media This comprehensive book draws together experts to explore how knowledge technologies can be exploited to create new multimedia applications, and how multimedia technologies can provide new contexts for the use of knowledge technologies. Thorough coverage of all relevant topics is given. The step-by-step approach guides the reader from fundamental

enabling technologies of ontologies, analysis and reasoning, through to applications which have hitherto had less attention.

Digital Asset Ecosystems

Rethinking crowds and cloud

Elsevier Digital asset management is undergoing a fundamental transformation. Near universal availability of high-quality web-based assets makes it important to pay attention to the new world of digital ecosystems and what it means for managing, using and publishing digital assets. The Ecosystem of Digital Assets reflects on these developments and what the emerging 'web of things' could mean for digital assets. The book is structured into three parts, each covering an important aspect of digital assets. Part one introduces the emerging ecosystems of digital assets. Part two examines digital asset management in a networked environment. The third part covers media ecosystems. Looks to the future of digital asset management, focussing on the next generation web Includes up-to date developments in the field, crowd sourcing, and cloud services Details case studies to demonstrate how generic requirements are met in particular cases

Metadata and Semantics Research

6th Research Conference, MTSR 2012, Cádiz, Spain, November 28-30, 2012. Proceedings

Springer This book constitutes the refereed proceedings of the 6th Metadata and Semantics Research Conference, MTSR 2012, held in Cádiz, Spain, in November 2012. The 33 revised papers presented were carefully reviewed and selected from 85 submissions. The papers are organized in a general, main track and several others: a track on metadata and semantics for open access repositories, research information systems and infrastructures, a second on metadata and semantics for cultural collections and applications, and finally one on metadata and semantics for agriculture, food and environment.

Web Semantics for Textual and Visual Information Retrieval

IGI Global Modern society exists in a digital era in which high volumes of multimedia information exists. To optimize the management of this data, new methods are emerging for more efficient information retrieval. Web Semantics for Textual and Visual Information Retrieval is a pivotal reference source for the latest academic research on embedding and associating semantics with multimedia information to improve data retrieval techniques. Highlighting a range of pertinent topics such as automation, knowledge discovery, and social networking, this book is ideally designed for researchers, practitioners, students, and professionals interested in emerging trends in information retrieval.

Meaning and Necessity

A Study in Semantics and Modal Logic

University of Chicago Press "This book is valuable as expounding in full a theory of meaning that has its roots in the work of Frege and has been of the widest influence. . . . The chief virtue of the book is its systematic character. From Frege to Quine most philosophical logicians have restricted themselves by piecemeal and local assaults on the problems involved. The book is marked by a genial tolerance. Carnap sees himself as proposing conventions rather than asserting truths. However he provides plenty of matter for argument."—Anthony Quinton, Hibbert Journal

Semantic Keyword-Based Search on Structured Data Sources

COST Action IC1302 Second International KEYSTONE Conference, IKC 2016, Cluj-Napoca, Romania, September 8–9, 2016, Revised Selected Papers

Springer This book constitutes the thoroughly refereed post-conference proceedings of the Second COST Action IC1302 International KEYSTONE Conference on Semantic Keyword-Based Search on Structured Data Sources, IKC 2016, held in Cluj-Napoca, Romania, in September 2016. The 15 revised full papers and 2 invited papers are reviewed and selected from 18 initial submissions and cover the areas of keyword extraction, natural language searches, graph databases, information retrieval techniques for keyword search and document retrieval.

Multiagent Systems for Manufacturing Control A Design Methodology

Springer Science & Business Media Presents a methodology developed by DaimlerChrysler. Illustrates the methodology through detailed case studies.

Theoretical and Crosslinguistic Approaches to the Semantics of Aspect

John Benjamins Publishing The papers in this volume investigate the semantics of aspect from both a theoretical and cross linguistic point of view, in a wide range of languages from a number of different language families. The papers are all informed by the belief that a thorough exposure to the expression of aspect cross-linguistically is crucial for progress in understanding how the semantics of aspect and what the semantic basis of aspectual distinctions is. The languages discussed include Russian, English, Dutch, Hebrew,

Mandarin, Japanese and Kalaallisut. The issues discussed in this volume include the centrality of measuring and counting in an understanding of telicity; the importance of the singular/plural distinction in the study of aspect, the importance of homogeneity as a property of event types, the flexibility of lexical classes, and the interaction between expressions of aspect and the particular morphosyntactic structure of a language.

Semantic Web for Business: Cases and Applications

Cases and Applications

IGI Global "This book provides simple costs and benefits analysis showing that the Semantic Web is prepared for e-business"--Provided by publisher.