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Trust Management III Facet Publishing

This double volume set (LNAI 10863-10864) constitutes the refereed proceedings of the 25th International Workshop, EG-ICE 2018, held in Lausanne, Switzerland, in June 2018. The 58 papers presented in this volume were carefully reviewed and selected from 108 submissions. The papers are organized in topical sections on Advanced Computing in Engineering, Computer Supported Construction Management, Life-Cycle Design Support, Monitoring and Control Algorithms in Engineering, and BIM and Engineering Ontologies.

Application Development and Design: Concepts, Methodologies, Tools, and Applications Springer

This book constitutes the refereed proceedings of the Third IFIP WG 11.11 International Conference, IFIPTM 2009, held in West Lafayette, IN, USA, in June 2009. The 17 revised full papers presented together with one invited paper and 5 demo descriptions were carefully reviewed and selected from 44 submissions. The papers are organized in topical sections on social aspects and usability, trust reasoning and processing, data security, enhancements to subjective logic, information sharing, risk assessment, and simulation of trust and reputation systems.

MediaArtHistories IGI Global

Recent combinations of semantic technology and artificial intelligence (AI) present new techniques to build intelligent systems that identify more precise results. Semantic AI in Knowledge Graphs locates itself at the forefront of this novel development, uncovering the role of machine learning to extend the knowledge graphs by graph mapping or corpus-based ontology learning. Securing efficient results via the combination of symbolic AI and statistical AI such as entity extraction based on machine learning, text mining methods, semantic knowledge graphs, and related reasoning power, this book is the first of its kind to explore semantic AI and knowledge graphs. A range of topics are covered, from neuro-symbolic AI, explainable AI and deep learning to knowledge discovery and mining, and knowledge representation and reasoning. A trailblazing exploration of semantic AI in knowledge graphs, this book is a significant contribution to both researchers in the field of AI and data mining as well as beginner academicians.

Learning Node "O'Reilly Media, Inc."

Gain hands-on experience with SPARQL, the RDF query language that's bringing new possibilities to semantic web, linked data, and big data projects. This updated and expanded edition shows you how to use SPARQL 1.1 with a variety of tools to retrieve, manipulate, and federate data from the public web as well as from private sources. Author Bob DuCharme has you writing simple queries right away before providing background on how SPARQL fits into RDF technologies. Using short examples that you can run yourself with open source software, you'll learn how to update, add to, and delete data in RDF datasets. Get the big picture on RDF, linked data, and the semantic web Use SPARQL to

find bad data and create new data from existing data Use datatype metadata and functions in your queries Learn techniques and tools to help your queries run more efficiently Use RDF Schemas and OWL ontologies to extend the power of your queries Discover the roles that SPARQL can play in your applications

Unix Power Tools IGI Global

"This book examines state-of-the-art developments in coastal informatics (e.g., data portals, data/ metadata vocabularies and ontologies, metadata creation/ extraction/ cross-walking tools, geographic and information management systems, grid computing) and coastal mapping (particularly via Internet map servers and web-based geographical information and analysis)"-- Provided by publisher.

Social Networks and the Semantic Web IGI Global

The first edition of the Encyclopedia of Complexity and Systems Science (ECSS, 2009) presented a comprehensive overview of granular computing (GrC) broadly divided into several categories: Granular computing from rough set theory, Granular Computing in Database Theory, Granular Computing in Social Networks, Granular Computing and Fuzzy Set Theory, Grid/Cloud Computing, as well as general issues in granular computing. In 2011, the formal theory of GrC was established, providing an adequate infrastructure to support revolutionary new approaches to computer/data science, including the challenges presented by so-called big data. For this volume of ECSS, Second Edition, many entries have been updated to capture these new developments, together with new chapters on such topics as data clustering, outliers in data mining, qualitative fuzzy sets, and information flow analysis for security applications. Granulations can be seen as a natural and ancient methodology deeply rooted in the human mind. Many daily "things" are routinely granulated into sub "things": The topography of earth is granulated into hills, plateaus, etc., space and time are granulated into infinitesimal granules, and a circle is granulated into polygons of infinitesimal sides. Such granules led to the invention of calculus, topology and non-standard analysis. Formalization of general granulation was difficult but, as shown in this volume, great progress has been made in combing discrete and continuous mathematics under one roof for a broad range of applications in data science.

Computer Systems and Software Engineering: Concepts, Methodologies, Tools, and Applications IGI Global

With this book, the promise of the Semantic Web -- in which machines can find, share, and combine data on the Web -- is not just a technical possibility, but a practical reality Programming the Semantic Web demonstrates several ways to implement semantic web applications, using current and emerging standards and technologies. You'll learn how to incorporate existing data sources into semantically aware applications and publish rich semantic data.

Web Information Systems and Technologies Springer Science & Business Media

Provides information on data analysis from a vareity of social networking sites, including Facebook, Twitter, and LinkedIn.

Advanced Computing Strategies for Engineering "O'Reilly Media, Inc."

Practical Ontologies for Information Professionals provides an accessible introduction and exploration of ontologies and demonstrates their value to information professionals. More data and information is being created than ever before. Ontologies, formal representations of knowledge with rich semantic relationships, have become increasingly important in the context of today's information overload and data deluge. The publishing and sharing of explicit explanations for a wide variety of conceptualizations, in a machine readable format, has the power to both improve information retrieval and discover new knowledge. Information professionals are key contributors to the development of new, and increasingly useful, ontologies.

Practical Ontologies for Information Professionals provides an accessible introduction to the following:

- defining the concept of ontologies and why they are increasingly important to information professionals
- ontologies and the semantic web
- existing ontologies, such as RDF, RDFS, SKOS, and OWL2
- adopting and building ontologies, showing how to avoid repetition of work and how to build a simple ontology
- interrogating ontologies for reuse
- the future of ontologies and the role of the information professional in their development and use.

Readership: This book will be useful reading for information professionals in libraries and other cultural heritage institutions who work with digitalization projects, cataloguing and classification and information retrieval. It will also be useful to LIS students who are new to the field.

The SenticNet Sentiment Lexicon: Exploring Semantic Richness in Multi-Word Concepts "O'Reilly Media, Inc."

Everything we need to know about metadata, the usually invisible infrastructure for information with which we interact every day. When "metadata" became breaking news, appearing in stories about surveillance by the National Security Agency, many members of the public encountered this once-obscure term from information science for the first time. Should people be reassured that the NSA was "only" collecting metadata about phone calls—information about the caller, the recipient, the time, the duration, the location—and not recordings of the conversations themselves? Or does phone call metadata reveal more than it seems? In this book, Jeffrey Pomerantz offers an accessible and concise introduction to metadata. In the era of ubiquitous computing, metadata has become infrastructural, like the electrical grid or the highway system. We interact with it or generate it every day. It is not, Pomerantz tell us, just "data about data." It is a means by which the complexity of an object is represented in a simpler form. For example, the title, the author, and the cover art are metadata about a book. When metadata does its job well, it fades into the background; everyone (except perhaps the NSA) takes it for granted. Pomerantz explains what metadata is, and why it exists. He distinguishes among different types of metadata—descriptive, administrative, structural, preservation, and use—and examines different users and uses of each type. He discusses the technologies that make modern metadata possible, and he speculates about metadata's future. By the end of the book, readers will see metadata everywhere. Because, Pomerantz warns us, it's metadata's world, and we are just living in it.

User-Centered Data Management Morgan Kaufmann

With the growing popularity of Linux and the advent of Darwin, Unix has metamorphosed into something new and exciting. No longer perceived as a difficult operating system, more and more users are discovering the advantages of Unix for the first time. But whether you are a newcomer or a Unix power user, you'll find yourself thumbing through the goldmine of information in the

new edition of Unix Power Tools to add to your store of knowledge. Want to try something new? Check this book first, and you're sure to find a tip or trick that will prevent you from learning things the hard way. The latest edition of this best-selling favorite is loaded with advice about almost every aspect of Unix, covering all the new technologies that users need to know. In addition to vital information on Linux, Darwin, and BSD, Unix Power Tools 3rd Edition now offers more coverage of bash, zsh, and other new shells, along with discussions about modern utilities and applications. Several sections focus on security and Internet access. And there is a new chapter on access to Unix from Windows, addressing the heterogeneous nature of systems today. You'll also find expanded coverage of software installation and packaging, as well as basic information on Perl and Python. Unix Power Tools 3rd Edition is a browser's book...like a magazine that you don't read from start to finish, but leaf through repeatedly until you realize that you've read it all. Bursting with cross-references, interesting sidebars explore syntax or point out other directions for exploration, including relevant technical details that might not be immediately apparent. The book includes articles abstracted from other O'Reilly books, new information that highlights program tricks and gotchas, tips posted to the Net over the years, and other accumulated wisdom. Affectionately referred to by readers as "the" Unix book, UNIX Power Tools provides access to information every Unix user is going to need to know. It will help you think creatively about UNIX, and will help you get to the point where you can analyze your own problems. Your own solutions won't be far behind.

Granular, Fuzzy, and Soft Computing Springer Science & Business Media

The Resource Description Framework (RDF) is a structure for describing and interchanging metadata on the Web--anything from library catalogs and worldwide directories to bioinformatics, Mozilla internal data structures, and knowledge bases for artificial intelligence projects. RDF provides a consistent framework and syntax for describing and querying data, making it possible to share website descriptions more easily. RDF's capabilities, however, have long been shrouded by its reputation for complexity and a difficult family of specifications. Practical RDF breaks through this reputation with immediate and solvable problems to help you understand, master, and implement RDF solutions. Practical RDF explains RDF from the ground up, providing real-world examples and descriptions of how the technology is being used in applications like Mozilla, FOAF, and Chandler, as well as infrastructure you can use to build your own applications. This book cuts to the heart of the W3C's often obscure specifications, giving you tools to apply RDF successfully in your own projects. The first part of the book focuses on the RDF specifications. After an introduction to RDF, the book covers the RDF specification documents themselves, including RDF Semantics and Concepts and Abstract Model specifications, RDF constructs, and the RDF Schema. The second section focuses on programming language support, and the tools and utilities that allow developers to review, edit, parse, store, and manipulate RDF/XML. Subsequent sections focus on RDF's data roots, programming and framework support, and practical implementation and use of RDF and RDF/XML. If you want to know how to apply RDF to information processing, Practical RDF is for you. Whether your interests lie in large-scale information aggregation and analysis or in smaller-scale projects like weblog syndication, this book will provide you with a solid foundation for working with RDF.

Programming The Semantic Web MIT Press

A guide to JavaScript covers such topics as functions and operators, forms, browser objects, DOM, JavaScript objects, and

Ajax.

Multimedia Semantics - The Role of Metadata John Wiley & Sons

This book gives an overview on fundamental issues within the field of multimedia metadata focusing on contextualized, ubiquitous, accessible and interoperable services on a higher semantic level. The book provides a selection of basic articles being a base for multimedia metadata research. Furthermore, it brings together experts from research and industry to present a view on the current state-of-the-art in recent research in Multimedia Semantics and the role of Metadata.

RESTful Web Services IGI Global

"This book offers a different approach to music by focusing on the information organization and the development of XML-based language, presenting a new set of tools for practical implementations, and a new investigation into the theory of music"--Provided by publisher.

Validating RDF Data O'Reilly Media, Inc.

Leading scholars take a wider view of new media, placing it in the context of art history and acknowledging the necessity of an interdisciplinary approach in new media art studies and practice. Digital art has become a major contemporary art form, but it has yet to achieve acceptance from mainstream cultural institutions; it is rarely collected, and seldom included in the study of art history or other academic disciplines. In *MediaArtHistories*, leading scholars seek to change this. They take a wider view of media art, placing it against the backdrop of art history. Their essays demonstrate that today's media art cannot be understood by technological details alone; it cannot be understood without its history, and it must be understood in proximity to other disciplines—film, cultural and media studies, computer science, philosophy, and sciences dealing with images. Contributors trace the evolution of digital art, from thirteenth-century Islamic mechanical devices and eighteenth-century phantasmagoria, magic lanterns, and other multimedia illusions, to Marcel Duchamp's inventions and 1960s kinetic and op art. They reexamine and redefine key media art theory terms—machine, media, exhibition—and consider the blurred dividing lines between art products and consumer products and between art images and science images. Finally, *MediaArtHistories* offers an approach for an interdisciplinary, expanded image science, which needs the "trained eye" of art history. Contributors Rudlof Arnheim, Andreas Broeckmann, Ron Burnett, Edmond Couchot, Sean Cubitt, Dieter Daniels, Felice Frankel, Oliver Grau, Erkki Huhtamo, Douglas Kahn, Ryszard W. Kluszczynski, Machiko Kusahara, Timothy Lenoir, Lev Manovich, W.J.T. Mitchell, Gunalan Nadarajan, Christiane Paul, Louise Poissant, Edward A. Shanken, Barbara Maria Stafford, and Peter Weibel

REST in Practice "O'Reilly Media, Inc."

Advancements in technology have allowed for the creation of new tools and innovations that can improve different aspects of life. These applications can be utilized across different technological platforms. Application Development and Design:

Concepts, Methodologies, Tools, and Applications is a comprehensive reference source for the latest scholarly material on trends, techniques, and uses of various technology applications and examines the benefits and challenges of these computational developments. Highlighting a range of pertinent topics such as software design, mobile applications, and web applications, this multi-volume book is ideally designed for researchers, academics, engineers, professionals, students, and practitioners interested in emerging technology applications. Advances in Informatics and Computing in Civil and Construction Engineering IGI Global

The next major advance in the Web-Web 3.0-will be built on semantic Web technologies, which will allow data to be shared and reused across application, enterprise, and community boundaries. Written by a team of highly experienced Web developers, this book explains examines how this powerful new technology can unify and fully leverage the ever-growing data, information, and services that are available on the Internet. Helpful examples demonstrate how to use the semantic Web to solve practical, real-world problems while you take a look at the set of design principles, collaborative working groups, and technologies that form the semantic Web. The companion Web site features full code, as well as a reference section, a FAQ section, a discussion forum, and a semantic blog.

Visual Analytics and Interactive Technologies: Data, Text and Web Mining Applications "O'Reilly Media, Inc."

REST continues to gain momentum as the best method for building Web services, and this down-to-earth book delivers techniques and examples that show how to design and implement integration solutions using the REST architectural style.

Metadata Springer

With this book, the promise of the Semantic Web -- in which machines can find, share, and combine data on the Web -- is not just a technical possibility, but a practical reality Programming the Semantic Web demonstrates several ways to implement semantic web applications, using current and emerging standards and technologies. You'll learn how to incorporate existing data sources into semantically aware applications and publish rich semantic data. Each chapter walks you through a single piece of semantic technology and explains how you can use it to solve real problems. Whether you're writing a simple mashup or maintaining a high-performance enterprise solution, Programming the Semantic Web provides a standard, flexible approach for integrating and future-proofing systems and data. This book will help you: Learn how the Semantic Web allows new and unexpected uses of data to emerge Understand how semantic technologies promote data portability with a simple, abstract model for knowledge representation Become familiar with semantic standards, such as the Resource Description Framework (RDF) and the Web Ontology Language (OWL) Make use of semantic programming techniques to both enrich and simplify current web applications