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A new ontology development paradigm has started its emphasis lies on the reuse and possible subsequent reengineering of knowledge resources, on the collaborative and argumentative ontology development, and on the building of ontology networks this new trend is the opposite of building new ontologies from scratch. To help ontology developers in this new paradigm, it is important to provide strong methodological support.However, up to date, there are no methodological approaches that help ontology developers to build large ontologies embedded in ontology networks in complex settings where distributed teams could

The definitive rock encyclopedia for the 21st century updated for the ever-changing world of music. "An absolute must for any rock-music fan." -- Booklist "A welcome and heavily used addition to any rock 'n' roll buff's library." -- Library Journal "Will introduce browsers to music they hadn't realized they would like." -- Publishers Weekly This third edition of Rock Chronicles is updated to mark the recent loss of many important, innovative and beloved musicians who changed the world of music, including: David Bowie, the irreplaceable Prince, Tom Petty, George Michael, Lemmy of Mot ö rhead, Chris Cornell of Soundgarden, Scott Weiland of Stone Temple Pilots, two of the three members of Emerson Lake and Palmer, poet philosopher Leonard Cohen, Gregg Allman, the great Chuck Berry, Glenn Frey of the Eagles, Leon Russell, J. Geils, and too many others. Designed for today's visual-savvy generation, the book uses color-coded infographics for quick-glance coverage of the ever-shifting line-ups, appearances, labels, sounds and successes of 250 of the most important rock acts from 1960 to time of press in 2018. Insightful commentary highlighted with photographs gives the lowdown on every member -- whatever their role in the band and however short-lived their time with them. Bands change their line-ups, musicians pass away, and of course new music is released. This new edition has been updated to reflect the many such changes since the previous book. These include: Date of death of deceased band members and revisions to the descriptive text to reflect this change Revised text if there has been a major development in an active band New albums for those bands still active on timeline Revised timelines for bands still active Grammy Awards Rock and Roll Hall of Fame Inductees. Comprehensive, information-packed and compelling, Rock Chronicles is the essential reference for everyone who loves rock music.

Focusing on nanoparticulate nanocarriers and recent advances in the field of drug delivery, the volume begins with chapters that provide an informative introduction to polymeric nanoparticles—their general physicochemical features and characteristics, their applications in drug delivery systems, and the challenges involved. Specific applications are discussed, with attention paid to treatment of particular diseases and disorders and the targeting of specific organs. Part 2 looks at more specific applications and techniques of nanoparticulate nanocarriers for drug delivery, such as the use of magnetic nanoparticles, gold nanoparticles in therapeutics, and superparamagnetic iron oxide nanoparticles (SPIONs) for the treatment of cancer. Part 3 discusses lipid-based nanoparticulates for various applications, including skin care. The last section of the book explores some of the newer nanoarchitectures, including dendrimers in gene delivery and carbon nanotubes for drug delivery. Together, the insightful research presented here provides valuable information for those involved in this area, including scientists and researchers and faculty and upper-level students, as well as for industry professionals.

NeOn Methodology for Building Ontology Networks

Chemical Epigenetics

Ingredients Extraction by Physico-Chemical Methods in Food

Nanoparticulate Drug Delivery Systems

***This book, fully updated for Python version 3.6+, covers the key ideas that link probability, statistics, and machine learning illustrated using Python modules in these areas. All the figures and numerical results are reproducible using the Python codes provided. The author develops key intuitions in machine learning by working meaningful examples using multiple analytical methods and Python codes, thereby connecting theoretical concepts to concrete implementations. Detailed proofs for certain important results are also provided. Modern Python modules like Pandas, Sympy, Scikit-learn, Tensorflow, and Keras are applied to simulate and visualize important machine learning concepts like the bias/variance trade-off, cross-validation, and regularization. Many abstract mathematical ideas, such as convergence in probability theory, are developed and illustrated with numerical examples. This updated edition now includes the Fisher Exact Test and the Mann-Whitney-Wilcoxon Test. A new section on survival analysis has been included as well as substantial development of Generalized Linear Models. The new deep learning section for image processing includes an in-depth discussion of gradient descent methods that underpin all deep learning algorithms. As with the prior edition, there are new and updated *Programming Tips* that the illustrate effective Python modules and methods for scientific programming and machine learning. There are 445 run-able code blocks with corresponding outputs that have been tested for accuracy. Over 158 graphical visualizations (almost all generated using Python) illustrate the concepts that are developed both in code and in mathematics. We also discuss and use key Python modules such as Numpy, Scikit-learn, Sympy, Scipy, Lifelines, CvxPy, Theano, Matplotlib, Pandas, Tensorflow, Statsmodels, and Keras. This book is suitable for anyone with an undergraduate-level exposure to probability, statistics, or machine learning and with rudimentary knowledge of Python programming.***

***"This book narrows down the scope of data mining by adopting a heavily modeling-oriented perspective"--***

***This book presents a taxonomy framework and survey of methods relevant to explaining the decisions and analyzing the inner workings of Natural Language Processing (NLP) models. The book is intended to provide a snapshot of Explainable NLP, though the field continues to rapidly grow. The book is intended to be both readable by first-year M.Sc. students and interesting to an expert audience. The book opens by motivating a focus on providing a consistent taxonomy, pointing out inconsistencies and redundancies in previous taxonomies. It goes on to present (i) a taxonomy or framework for thinking about how approaches to explainable NLP relate to one another; (ii) brief surveys of each of the classes in the taxonomy, with a focus on methods that are relevant for NLP; and (iii) a discussion of the inherent limitations of some classes of methods, as well as how to best evaluate them. Finally, the book closes by providing a list of resources for further research on explainability.***

***On Java 8***

***Data Mining Algorithms***

***Explained Using R***

***Idioms from Head to Toe***

Ingredients Extraction by Physico-chemical Methods, Volume Four, the latest release in the Handbook of Food Bioengineering series, reveals the most investigated extraction methods of ingredients and their impact on the food industry. This resource describes types of ingredients that may be extracted through physico-chemical methods (i.e. specific plants, fruits, spices, etc.), along with their particularities to help readers understand their biological effect and solve research problems. The extraction methods of bioactive compounds and functional ingredients are discussed, along with information on green ingredient extraction strategies to help reduce harmful environmental and health effects. Extraction methods in this book can be applied for multiple purposes within the food industry, such as ingredients separation for food development, the purification and separation of toxic compounds from a food mixture, and the recovery of natural bioactive compounds. Offers advanced knowledge and skills of physiochemical analysis for ingredient extraction Presents various methods for food component analysis to evaluate structure function relations in changing environments Discusses the importance of enzymes during processing and storage of foods Includes methods to evaluate and enhance extraction, such as ultrasound, to produce novel foods more efficiently

Polysaccharide Carriers for Drug Delivery presents the latest information on the selection of safe materials. Due to reported safety profiles on polysaccharides; they have been the natural choice for investigation. A wide variety of drug delivery and biomedical systems have been studied, however, the related information either concept-wise or application-oriented is scattered, therefore becoming difficult for readers and researchers to digest in a concise manner. This gathering of information will help readers easily comprehend the subject matter. Focuses on biopolysaccharide-based, distinct approaches for drug delivery applications Illustrates new concepts and highlights future scope for clinical development Provides comprehensive, up-to-date information on different aspects of drug delivery technology

This book presents an authoritative review of the most significant findings about all the epigenetic targets (writers, readers, and erasers) and their implication in physiology and pathology. The book also covers the design, synthesis and biological validation of epigenetic chemical modulators, which can be useful as novel chemotherapeutic agents. Particular attention is given to the chemical mechanisms of action of these molecules and to the drug discovery prose which allows their identification. This book will appeal to students who want to know the extensive progresses made by epigenetics (targets and modulators) in the last years from the beginning, and to specialized scientists who need an instrument to quickly search and check historical and/or updated notices about epigenetics.

Handbook of Research on Information Security in Biomedical Signal Processing

Lingüística aplicada en la sociedad de la información y la comunicación

Alps Adria

Internet and Information and Communication Technologies represent the largest network of human online communication ever. Language is the material that enables communication to flow in this ever-growing digital world of emails, webs, blogs and SMS messages. And language, as always, transforms itself to meet the rapid demands of this virtual universe. As a result, a myriad of changes have occurred and are continuously occurring in the language of Internet users. The Texture of Internet explores the latest linguistic issues regarding these language transformations focusing on texting, email writing, website texture, new digital genres such as blogs, and the potential applications of Internet to specific linguistic professional settings (e.g. translation, linguistic research or language teaching). This book will become a key reference for anyone interested in unveiling the intricacies of language use in our technological environment. Santiago Posteguillo, María José Esteve, and Lluïsa Gea-Valor have compiled an excellent set of contributions from Spain, United Kingdom, and Hong Kong on the analysis of language use in Internet and Information and Communication Technologies. They all are researchers and teachers of Languages for Specific Purposes and Linguistics at Universitat Jaume I in Castelló, Spain. Their experience in Internet language analysis has produced a most valuable volume on the matter.

IEEE EUROCON is a flagship event of the IEEE Region 8 (Europe, Middle East and Africa) held every two years in a different country with participants from all over the world EUROCON is a major international forum for the exchange of ideas, theory basics, design methodologies, techniques and experimental results between academia, research institutions and practitioners from industry It has achieved a considerable success during the past 18 editions in all fields of electrical and electronic engineering, ICT and computer science

This book constitutes the refereed proceedings of the 16th International Conference on Knowledge Engineering and Knowledge Management, EKAW 2008, held in Acitrezza, Sicily, Italy, in September/October 2008. The 17 revised full papers and 15 revised short papers presented together with 3 invited talks were carefully reviewed and selected from 102 submissions. The papers are organized in topical sections on knowledge patterns and knowledge representation, matching ontologies and data integration, natural language, knowledge acquisition and annotations, search, query and interaction, as well as ontologies.

Bio-Targets and Drug Delivery Approaches

The Culture of Fear

Doll Bones

Ontology Engineering in a Networked World

**A young boy is worried about what will happen to his body when he hears such expressions as "I'm tongue-tied," "don't give me any of your lip," and "I put my foot in my mouth."**

**Recent advancements and innovations in medical image and data processing have led to a need for robust and secure mechanisms to transfer images and signals over the internet and maintain copyright protection. The Handbook of Research on Information Security in Biomedical Signal Processing provides emerging research on security in biomedical data as well as techniques for accurate reading and further processing. While highlighting topics such as image processing, secure access, and watermarking, this publication explores advanced models and algorithms in information security in the modern healthcare system. This publication is a vital resource for academicians, medical professionals, technology developers, researchers, students, and practitioners seeking current research on intelligent techniques in medical data security.**

**Playing an endless make-believe game about pirates, mermaids and warriors under the rule of a formidable Great Queen china doll, best friends Zach, Poppy and Alice find their bond tested when Zach is compelled to give up their shared adventures and Poppy begins having dreams about the doll. By the co-author of the best-selling Spiderwick Chronicles.**

**Epigenetic Drug Discovery**

**Who's Who in the World 2015**

**Even More Parts**

**Python for Probability, Statistics, and Machine Learning**

**Environmental sustainability is one of the biggest issues faced by the mankind. Rapid & rampant industrialization has put great pressure on the natural resources. To make our planet a sustainable ecosystem, habitable for future generations & provide equal opportunity for all the living creatures we not only need to make corrections but also remediate the polluted natural resources. The low-input biotechnological techniques involving microbes and plants can provide the solution for resurrecting the ecosystems. Bioremediation and biodegradation can be used to improve the conditions of polluted soil and water bodies. Green energy involving biofuels have to replace the fossil fuels to combat pollution & global warming. Biological alternatives (bioinoculants) have to replace harmful chemicals for maintaining sustainability of agro-ecosystems. The book will cover the latest developments in environmental biotech so as to use in clearing and maintaining the ecosystems for sustainable future.**

**The advances in drug delivery systems over recent years have resulted in a large number of novel delivery systems with the potential to revolutionize the treatment and prevention of diseases. Bio-Targets and Drug Delivery Approaches is an easy-to-read book for students, researchers and pharmaceutical scientists providing a comprehensive introduction to the principles of advanced drug delivery and targeting their current applications and potential future developments.**

**This book provides a systematic and comprehensive overview of knowledge graph, covering all aspects including the theoretical foundations, key techniques and methodologies, and various typical applications. Special focus is given to the practical methods for knowledge graph construction and management, especially methods for constructing knowledge graphs from texts and from Encyclopedia, and methods for knowledge fusion and reasoning. It can serve as reference book for researchers and students new to knowledge graph. From this book, the readers will learn how to construct large-scale knowledge graphs from different sources, how to manage multiple knowledge graphs and do reasoning with a knowledge graph. Some basic knowledge on discrete mathematics, probability and statistics, data structure, and databases is required to understand the book content well.**

**Environmental Biotechnology: For Sustainable Future**

**Knowledge Graph**

**The Science of String Instruments**

**Thinking Security**

**Thomas D. Rossing String instruments are found in almost all musical cultures. Bowed string instruments form the backbone of symphony orchestras, and they are used widely as solo inst- ments and in chamber music as well. Guitars are used universally in pop music as well as in classical music. The piano is probably the most versatile of all musical inst- ments, used widely not only in ensemble with other musical instruments but also as a solo instrument and to accompany solo instruments and the human voice. In this book, various authors will discuss the science of plucked, bowed, and hammered string instruments as well as their electronic counterparts. We have tried to tell the fascinating story of scienti?c research with a minimum of mathematics to maximize the usefulness of the book to performers and instrument builders as well as to students and researchers in musical acoustics. Sometimes, however, it is dif?cult to “translate” ideas from the exact mathematical language of science into words alone, so we include some basic mathematical equations to express these ideas. It is impossible to discuss all families of string instruments. Some instruments have been researched much more than others. Hopefully, the discussions in this book will help to encourage further scienti?c research by both musicians and scientists alike. 1.1 A Brief History of the Science of String Instruments Quite a number of good histories of acoustics have been written (Lindsay 1966, 1973; Hunt 1992; Beyer 1999), and these histories include musical acoustics.**

**The Semantic Web is characterized by the existence of a very large number of distributed semantic resources, which together define a network of ontologies. These ontologies in turn are interlinked through a variety of different meta-relationships such as versioning, inclusion, and many more. This scenario is radically different from the relatively narrow contexts in which ontologies have been traditionally developed and applied, and thus calls for new methods and tools to effectively support the development of novel network-oriented semantic applications. This book by Suárez-Figueroa et al. provides the necessary methodological and technological support for the development and use of ontology networks, which ontology developers need in this distributed environment. After an introduction, in its second part the authors describe the NeOn Methodology framework. The book’s third part details the key activities relevant to the ontology engineering life cycle. For each activity, a general introduction, methodological guidelines, and practical examples are provided. The fourth part then presents a detailed overview of the NeOn Toolkit and its plug-ins. Lastly, case studies from the pharmaceutical and the fishery domain round out the work. The book primarily addresses two main audiences: students (and their lecturers) who need a textbook for advanced undergraduate or graduate courses on ontology engineering, and practitioners who need to develop ontologies in particular or Semantic Web-based applications in general. Its educational value is maximized by its structured approach to explaining guidelines and combining them with case studies and numerous examples. The description of the open source NeOn Toolkit provides an additional asset, as it allows readers to easily evaluate and apply the ideas presented.**

**The bestselling book revealing why Americans are so fearful, and why we fear the wrong things--now updated for the age of Trump In the age of Trump, our society is defined by fear. Indeed, three out of four Americans say they feel more fearful today than they did only a couple decades ago. But are we living in exceptionally perilous times? In his bestselling book The Culture of Fear, sociologist Barry Glassner demonstrates that it is our perception of danger that has increased, not the actual level of risk. Glassner exposes the people and organizations that manipulate our perceptions and profit from our fears: politicians who win elections by heightening concerns about crime and drug use even as rates for both are declining; advocacy groups that raise money by exaggerating the prevalence of particular diseases; TV shows that create a new scare every week to garner ratings. Glassner spells out the prices we pay for social panics: the huge sums of money that go to waste on unnecessary programs and products as well as time and energy spent worrying about our fears. All the while, we are distracted from the true threats, from climate change to worsening inequality. In this updated edition of a modern classic, Glassner examines the current panics over vaccination and "political correctness" and reveals why Donald Trump's fearmongering is so dangerously effective.**

**Knowledge Engineering: Practice and Patterns**

**16th International Conference, EKAW 2008, Acitrezza, Sicily, Italy September 29 - October 3, 2008, Proceedings**

**Why Americans Are Afraid of the Wrong Things**

**Proceedings of the 18th International Conference on Evaluation and Assessment in Software Engineering**

The Role of Histone Deacetylases in Neurodegenerative Diseases and Small-Molecule Inhibitors as a Potential Therapeutic Approach.- Phosphodiesterase Inhibition to Target the Synaptic Dysfunction in Alzheimer's Disease.- Glutamate and Neurodegenerative Disease.- Modulation of the Kynurenine Pathway for the Potential Treatment of Neurodegenerative Diseases.- Spinal Muscular Atrophy: Current Therapeutic Strategies

This broad view of epigenetic approaches in drug discovery combines methods and strategies with individual targets, including new and largely unexplored ones such as sirtuins and methyl-lysine reader proteins. Presented in three parts - Introduction to Epigenetics, General Aspects and Methodologies, and Epigenetic Target Classes - it covers everything any drug researcher would need in order to know about targeting epigenetic mechanisms of disease. Epigenetic Drug Discovery is an important resource for medicinal chemists, pharmaceutical researchers, biochemists, molecular biologists, and molecular geneticists.

This book covers the recent advances in the development of bioelectronics systems and their potential application in future biomedical applications starting from system design to signal processing for physiological monitoring, to in situ biosensing. Advanced Bioelectronic Materials contributions from distinguished international scholars whose backgrounds mirror the multidisciplinary readership ranging from the biomedical sciences, biosensors and engineering communities with diverse backgrounds, interests and proficiency in academia and industry. The readers will benefit from the widespread coverage of the current literature, state-of-the-art overview of all facets of advanced bioelectronics materials ranging from real time monitoring, in situ diagnostics, in vivo imaging, image-guided therapeutics, biosensors, and translational biomedical devices and personalized monitoring.

Every Legend, Every Line-Up, Every Look

Neurodegenerative Diseases

The Texture of Internet

Stopping Next Year's Hackers

The volume revolves around applied linguistics in the Information and Communication Society. It contains the most recent research studies and conclusions on different aspects of language for specific purposes, lexicography and lexicology, corpus linguistics and translation. It is divided into four thematic sections preceded by a section reserved for three guest contributors. In this last section, Carol A. Chap information and communication technologies offer students new possibilities for acquiring second languages within formal educational contexts. Larry Selinker, on the other hand, analyses the characteristics of academic writing on the basis of a 'safe rules' approach, which aims to serve as a guideline for producing proposals and academic studies through online exercises. In the third guest contribution, Ma presents the main forensic applications of descriptive linguistics and corpus. The themed sections address aspects of speciality languages and languages with specific communicative purposes, as well as aspects of lexical description that include the exploration of the semantics-syntax interface, among others.

Specification, Scheduling and Reuse

Rock Chronicles

Explainable Natural Language Processing

Netlinguistics in Progress