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Enabling Real-Time Business Intelligence 4th International Workshop, BIRTE 2010, Held at the 36th International Conference on Very Large Databases, VLDB 2010, Singapore, September 13, 2010, Revised Selected Papers Springer Science & Business Media *This book constitutes the thoroughly refereed conference proceedings of the 4th International Workshop on Business Intelligence for the Real-Time Enterprise, BIRTE 2010, held in Singapore, in September 2010, in conjunction with VLDB 2010, the International Conference on Very Large Data Bases. The volume contains six research papers, which are carefully reviewed and selected out of 12 submissions, plus the three keynotes presented at the workshop. The topics cover all stages of the business intelligence cycle, including capturing of real-time data, handling of temporal or uncertain data, performance issues, event management, and the optimization of complex ETL workflows.* **Social E-Enterprise: Value Creation through ICT Value Creation through ICT** IGI Global *As the importance of the social sector has increased in recent years, utilizing social enterprise aids in the development of knowledge, research, and practices in order to achieve an organizations' goals. Therefore, an understanding of ICT implementation in regards to social enterprise is crucial for effectiveness. Social E-Enterprise: Value Creation through ICT provides research on the understanding of ICT in the social enterprise field as it emerges as a major component of both business model and developed economy. This reference source focuses on the role of information communication technology as it promotes the development of the social sector.* **Enabling Real-Time Business Intelligence 4th International Workshop, BIRTE 2010, Held at the 36th International Conference on Very Large Databases, VLDB 2010, Singapore, September 13, 2010, Revised Selected Papers** Springer *This book constitutes the thoroughly refereed conference proceedings of the 4th International Workshop on Business Intelligence for the Real-Time Enterprise, BIRTE 2010, held in Singapore, in September 2010, in conjunction with VLDB 2010, the International Conference on Very Large Data Bases. The volume contains six research papers, which are carefully reviewed and selected out of 12 submissions, plus the three keynotes presented at the workshop. The topics cover all stages of the business intelligence cycle, including capturing of real-time data, handling of temporal or uncertain data, performance issues, event management, and the optimization of complex ETL workflows.* **Knowledge Graphs** Morgan & Claypool Publishers *This book provides a comprehensive and accessible introduction to knowledge graphs, which have recently garnered notable attention from both industry and academia. Knowledge graphs are founded on the principle of applying a graph-based abstraction to data, and are now broadly deployed in scenarios that require integrating and extracting value from multiple, diverse sources of data at large scale. The book defines knowledge graphs and provides a high-level overview of how they are used. It presents and contrasts popular graph models that are commonly used to represent data as graphs, and the languages by which they can be queried before describing how the resulting data graph can be enhanced with notions of schema, identity, and context. The book discusses how ontologies and rules can be used to encode knowledge as well as how inductive techniques—based on statistics, graph analytics, machine learning, etc.—can be used to encode and extract knowledge. It covers techniques for the creation, enrichment, assessment, and refinement of knowledge graphs and surveys recent open and enterprise knowledge graphs and the industries or applications within which they have been most widely adopted. The book closes by discussing the current limitations and future directions along which knowledge graphs are likely to evolve. This book is aimed at students, researchers, and practitioners who wish to learn more about knowledge graphs and how they facilitate extracting value from diverse data at large scale. To make the book accessible for newcomers, running examples and graphical notation are used throughout. Formal definitions and extensive references are also provided for those who opt to delve more deeply into specific topics.* **Rethinking Productivity in Software Engineering** Apress *Get the most out of this foundational reference and improve the productivity of your software teams. This open access book collects the wisdom of the 2017 "Dagstuhl" seminar on productivity in software engineering, a meeting of community leaders, who came together with the goal of rethinking traditional definitions and measures of productivity. The results of their work, Rethinking Productivity in Software Engineering, includes chapters covering definitions and core concepts related to productivity, guidelines for measuring productivity in specific contexts, best practices and pitfalls, and theories and open questions on productivity. You'll benefit from the*

many short chapters, each offering a focused discussion on one aspect of productivity in software engineering. Readers in many fields and industries will benefit from their collected work. Developers wanting to improve their personal productivity, will learn effective strategies for overcoming common issues that interfere with progress. Organizations thinking about building internal programs for measuring productivity of programmers and teams will learn best practices from industry and researchers in measuring productivity. And researchers can leverage the conceptual frameworks and rich body of literature in the book to effectively pursue new research directions. *What You'll Learn* Review the definitions and dimensions of software productivity See how time management is having the opposite of the intended effect Develop valuable dashboards Understand the impact of sensors on productivity Avoid software development waste Work with human-centered methods to measure productivity Look at the intersection of neuroscience and productivity Manage interruptions and context-switching Who Book Is For Industry developers and those responsible for seminar-style courses that include a segment on software developer productivity. Chapters are written for a generalist audience, without excessive use of technical terminology. **The Psychophysiology Primer A Guide to Methods and a Broad Review with a Focus on Human-Computer Interaction** The Psychophysiology Primer provides a foundational review of the field of psychophysiology to serve as a primer for the novice, enabling rapid familiarisation with the core concepts, or as a quick reference resource for advanced readers. **Tracing Manuscripts in Time and Space through Paratexts Perspectives from Paratexts** [Walter de Gruyter GmbH & Co KG](#) As records of the link between a manuscript and the texts it contains, paratexts document many aspects of a manuscript's life: production, transmission, usage, and reception. Comprehensive studies of paratexts are still rare in the field of manuscript studies, and the universal categories of time and space are used to create a common frame for research and comparisons. Contributions in this volume span over three continents and one millennium. **An Introduction to Ontology Engineering** An Introduction to Ontology Engineering introduces the student to a comprehensive overview of ontology engineering, and offers hands-on experience that illustrate the theory. The topics covered include: logic foundations for ontologies with languages and automated reasoning, developing good ontologies with methods and methodologies, the top-down approach with foundational ontologies, and the bottomup approach to extract content from legacy material, and a selection of advanced topics that includes Ontology-Based Data Access, the interaction between ontologies and natural languages, and advanced modelling with fuzzy and temporal ontologies. Each chapter contains review questions and exercises, and descriptions of two group assignments are provided as well. The textbook is aimed at advanced undergraduate/postgraduate level in computer science and could fit a semester course in ontology engineering or a 2-week intensive course. Domain experts and philosophers may find a subset of the chapters of interest, or work through the chapters in a different order. Maria Keet is an Associate Professor with the Department of Computer Science, University of Cape Town, South Africa. She received her PhD in Computer Science in 2008 at the KRDB Research Centre, Free University of Bozen-Bolzano, Italy. Her research focus is on knowledge engineering with ontologies and Ontology, and their interaction with natural language and conceptual data modelling, which has resulted in over 100 peer-reviewed publications. She has developed and taught multiple courses on ontology engineering and related courses at various universities since 2009. **Paediatric Clinical Pharmacology** [CRC Press](#) The treatment of children with medicinal products is an important scientific area. It is recognized that many medicines that are used extensively in pediatric patients are either unlicensed or off-label. This textbook will help pediatric health professionals effectively treat children with the most appropriate medicine with minimal side effects. **Word Embeddings: Reliability & Semantic Change** [IOS Press](#) Word embeddings are a form of distributional semantics increasingly popular for investigating lexical semantic change. However, typical training algorithms are probabilistic, limiting their reliability and the reproducibility of studies. Johannes Hellrich investigated this problem both empirically and theoretically and found some variants of SVD-based algorithms to be unaffected. Furthermore, he created the JeSemE website to make word embedding based diachronic research more accessible. It provides information on changes in word denotation and emotional connotation in five diachronic corpora. Finally, the author conducted two case studies on the applicability of these methods by investigating the historical understanding of electricity as well as words connected to Romanticism. They showed the high potential of distributional semantics for further applications in the digital humanities. **The SAGE Handbook of Organizational Institutionalism** [SAGE](#) The second edition of the bestselling *The SAGE Handbook of Organizational Institutionalism* has been thoroughly revised with new chapters added, bringing together extensive coverage of aspects of Institutional Theory. **Connectome How the Brain's Wiring Makes Us Who We Are** [HMH](#) "Accessible, witty . . . an important new researcher, philosopher and popularizer of brain science . . . on par with cosmology's Brian Greene and the late Carl Sagan" (*The Plain Dealer*). One of the *Wall Street Journal's* 10 Best Nonfiction Books of the Year and a *Publishers Weekly* "Top Ten in Science" Title Every person is unique, but science has struggled to pinpoint where, precisely, that uniqueness resides. Our genome may determine our eye color and even aspects of our character. But our friendships, failures, and passions also shape who we are. The question is: How? Sebastian Seung is at the forefront of a revolution in neuroscience. He believes that our identity lies not in our genes, but in the connections between our brain cells—our particular wiring. Seung and a dedicated group of researchers are leading the effort to map these connections, neuron by neuron, synapse by synapse. It's a monumental effort, but if they succeed, they will uncover the basis of personality, identity, intelligence, memory, and perhaps disorders such as autism and schizophrenia. *Connectome* is a mind-bending adventure story offering a daring scientific and technological vision for understanding what makes us who we are, as individuals and as a species. "This is complicated stuff, and it is a testament to Dr. Seung's remarkable clarity of exposition that the reader is swept along with his enthusiasm, as he moves from the basics of neuroscience out to the farthest regions of the hypothetical, sketching out a spectacularly illustrated giant map of the universe of man." —*TheNew York Times* "An elegant primer on what's known about how the brain is organized and how it grows, wires its neurons, perceives its environment, modifies or repairs itself, and stores information. Seung is a clear, lively writer who chooses vivid examples." —*TheWashington Post* **The Baby Names Almanac 2011** [Sourcebooks, Inc.](#) *The Hottest Baby Name Trends, Lists, and Forecasts* An instant snapshot of how the world today is shaping the name you may choose for your child tomorrow, *The 2011 Baby Names Almanac* is jam-packed with information and trends, plus thousands of names to browse. Here's a sneak peek at the ideas, forecasts, predictions, and suggestions you'll find: Why some names are a lot more popular than you think (Carly, Tristan) The cutting edge names on the rise (Kellan, Serenity) and the superhot names cooling fast (Miley, Kaden) The crossover pop culture names that will be moving to the cribs of tomorrow

(Pandora) Just how many Isabellas and Jacobs are out there A look at whether popular unisex names like Riley are used more for boys or girls The hottest names in your state The girls' name that jumped more than 675 places on the top 1000 names, and the boys' name that can't shake a 902 ranking Packed with easy-to-read charts, graphs, and maps, this book is a screen shot of the world today. It's stuffed with ideas on what's hip and hot, and how you can take that trend and turn it into a name you love. **Cyberresearch on the Ancient Near East and Neighboring Regions Case Studies on Archaeological Data, Objects, Texts, and Digital Archiving** [Digital Biblical Studies](#) CyberResearch on the Ancient Near East and Neighboring Regions provides case studies on archaeology, objects, cuneiform texts, and online publishing, digital archiving, and preservation. Eleven chapters present a rich array of material, spanning the fifth through the first millennium BCE, from Anatolia, the Levant, Mesopotamia, and Iran. Customized cyber- and general glossaries support readers who lack either a technical background or familiarity with the ancient cultures. Edited by Vanessa Bigot Juloux, Amy Rebecca Gansell, and Alessandro Di Ludovico, this volume is dedicated to broadening the understanding and accessibility of digital humanities tools, methodologies, and results to Ancient Near Eastern Studies. Ultimately, this book provides a model for introducing cyber-studies to the mainstream of humanities research. **Frames interdisziplinär: Modelle, Anwendungsfelder, Methoden** [Walter de Gruyter GmbH & Co KG](#) Das Frame-Konzept als kognitives Repräsentationsformat ist seit seiner Einführung durch Minsky und Fillmore vielfach rezipiert und modifiziert worden. Dieser interdisziplinäre ausgerichtete Band vereint Beiträge aus so unterschiedlichen Disziplinen wie Linguistik, Philosophie, Medien-, Kommunikations- und Informationswissenschaften bis hin zur Klinischen Psychiatrie, die das Frame-Konzept aus grundagentheoretischer sowie methodologischer Perspektive in den Blick nehmen, die aber auch verschiedene Anwendungsfelder für Frames erproben. The series 'Proceedings in Language and Cognition' explores issues of mental representation, linguistic structure and representation, and their interplay. The research presented in this series is grounded in the idea explored in the Collaborative Research Center 'The structure of representations in language, cognition and science' (SFB 991) that there is a universal format for the representation of linguistic and cognitive concepts. **The Poulterers' Case (1611)** [Dykinson](#) Every student of criminal law knows for a fact that the Poulterers' Case (1611) launched modern criminal conspiracy. This decision laid the first stone of the principle that an agreement to commit a crime is also a crime. However, besides what the law reports say, little is known about the facts of the case. This edition of the testimonies collected by the Star Chamber intends to fill this gap. Additionally, an introductory study will discuss how these facts shed new light on the reasons that were mustered in support of the decision. It will also argue that modern conspiracy was not a creation of the courts but rather of the nineteenth-century scholars who turned the Poulterers' Case into a landmark case. Todo estudiante angloamericano de derecho penal sabe que el Poulterers's Case (1611) dio el primer paso hacia el delito moderno de conspiración en Inglaterra. Esta decisión puso la primera piedra del principio según el cual con el acuerdo para cometer un delito se comete ya un delito. Sin embargo, aparte de lo que dicen los law reports, poco se sabe de los hechos del caso. Esta edición de los testimonios recogidos por la Star Chamber pretende colmar esta laguna. Además, un estudio introductorio analizará cómo estos hechos arrojan luz sobre las razones que se esgrimieron en apoyo de la decisión. También se argumentará que la conspiración moderna no fue una creación de los tribunales, sino de los juristas del siglo XIX que convirtieron el Poulterers' Case en un hito jurisprudencial. **Pharmaceutical Care Practice** [McGraw-Hill](#) Pharmaceutical Care Practice introduces a new practice paradigm, moving the profession of pharmacy from one involved with simply the dispensing of drugs to one involving the management of a patient's drug therapy needs. More than ever before, the pharmacist will be responsible for a patient's drug therapy assessment, understanding their history, developing a care plan, achieving therapeutic goals and scheduling follow-up attitude, behaviors, commitments, concerns, ethics, functions, knowledge, responsibilities and skills on the provision of drug therapy to achieve definite outcomes that improve the patient's quality of life. This important book is meant to update the clinical skills of practicing pharmacists, and will serve the needs of students as a core introductory textbook. **Pediatric Lymphomas** [Springer Science & Business Media](#) This is a comprehensive textbook of Hodgkin's and non-Hodgkin's lymphomas written by leaders in the field of childhood lymphomas. It includes clinical, pathologic and molecular biology of each subtype of lymphoma. The pathology chapters are comprehensive and include excellent photographs. The book is at the level of subspecialists in pediatric hematology and oncology, radiation oncology, pediatric surgery and hematopathology. **Strategy as Practice Research Directions and Resources** [Cambridge University Press](#) This is an analysis of what managers actually do in relation to the development of strategy in organisations. **The Cambridge Handbook of Meeting Science** [Cambridge University Press](#) This first volume to analyze the science of meetings offers a unique perspective on an integral part of contemporary work life. More than just a tool for improving individual and organizational effectiveness and well-being, meetings provide a window into the very essence of organizations and employees' experiences with the organization. The average employee attends at least three meetings per week and managers spend the majority of their time in meetings. Meetings can raise individuals, teams, and organizations to tremendous levels of achievement. However, they can also undermine effectiveness and well-being. The Cambridge Handbook of Meeting Science assembles leading authors in industrial and organizational psychology, management, marketing, organizational behavior, anthropology, sociology, and communication to explore the meeting itself, including pre-meeting activities and post-meeting activities. It provides a comprehensive overview of research in the field and will serve as an invaluable starting point for scholars who seek to understand and improve meetings. **Deductive Software Verification - The KeY Book From Theory to Practice** [Springer](#) Static analysis of software with deductive methods is a highly dynamic field of research on the verge of becoming a mainstream technology in software engineering. It consists of a large portfolio of - mostly fully automated - analyses: formal verification, test generation, security analysis, visualization, and debugging. All of them are realized in the state-of-art deductive verification framework KeY. This book is the definitive guide to KeY that lets you explore the full potential of deductive software verification in practice. It contains the complete theory behind KeY for active researchers who want to understand it in depth or use it in their own work. But the book also features fully self-contained chapters on the Java Modeling Language and on Using KeY that require nothing else than familiarity with Java. All other chapters are accessible for graduate students (M.Sc. level and beyond). The KeY framework is free and open software, downloadable from the book companion website which contains also all code examples mentioned in this book. **The Oxford Handbook of Computational and Mathematical Psychology** [Oxford University Press](#) This Oxford Handbook offers a comprehensive and authoritative review of important developments in computational and mathematical

psychology. With chapters written by leading scientists across a variety of subdisciplines, it examines the field's influence on related research areas such as cognitive psychology, developmental psychology, clinical psychology, and neuroscience. The Handbook emphasizes examples and applications of the latest research, and will appeal to readers possessing various levels of modeling experience. The Oxford Handbook of Computational and mathematical Psychology covers the key developments in elementary cognitive mechanisms (signal detection, information processing, reinforcement learning), basic cognitive skills (perceptual judgment, categorization, episodic memory), higher-level cognition (Bayesian cognition, decision making, semantic memory, shape perception), modeling tools (Bayesian estimation and other new model comparison methods), and emerging new directions in computation and mathematical psychology (neurocognitive modeling, applications to clinical psychology, quantum cognition). The Handbook would make an ideal graduate-level textbook for courses in computational and mathematical psychology. Readers ranging from advanced undergraduates to experienced faculty members and researchers in virtually any area of psychology--including cognitive science and related social and behavioral sciences such as consumer behavior and communication--will find the text useful.

Mobilizing the Past for a Digital Future The Potential of Digital Archaeology Digital Press at the University of North Dakota Mobilizing the Past is a collection of 20 articles that explore the use and impact of mobile digital technology in archaeological field practice. The detailed case studies present in this volume range from drones in the Andes to iPads at Pompeii, digital workflows in the American Southwest, and examples of how bespoke, DIY, and commercial software provide solutions and craft novel challenges for field archaeologists. The range of projects and contexts ensures that Mobilizing the Past for a Digital Future is far more than a state-of-the-field manual or technical handbook. Instead, the contributors embrace the growing spirit of critique present in digital archaeology. This critical edge, backed by real projects, systems, and experiences, gives the book lasting value as both a glimpse into present practices as well as the anxieties and enthusiasm associated with the most recent generation of mobile digital tools. This book emerged from a workshop funded by the National Endowment for the Humanities held in 2015 at Wentworth Institute of Technology in Boston. The workshop brought together over 20 leading practitioners of digital archaeology in the U.S. for a weekend of conversation. The papers in this volume reflect the discussions at this workshop with significant additional content. Starting with an expansive introduction and concluding with a series of reflective papers, this volume illustrates how tablets, connectivity, sophisticated software, and powerful computers have transformed field practices and offer potential for a radically transformed discipline.

Microfoundations of Institutions Emerald Group Publishing The notion of microfoundations has received growing interest in neo-institutional theory along with an increasing interest in microfoundational research in disciplines such as strategic management and organizational economics.

Automated Reasoning 5th International Joint Conference, IJCAR 2010, Edinburgh, UK, July 16-19, 2010, Proceedings Springer Science & Business Media This volume contains the proceedings of the 5th International Joint Conference on Automated Reasoning (IJCAR 2010). IJCAR 2010 was held during July 16-19 as part of the 2010 Federated Logic Conference, hosted by the School of Informatics at the University of Edinburgh, Scotland. Support by the conference sponsors - EPSRC, NSF, Microsoft Research, Association for Symbolic Logic, CADE Inc. , Google, Hewlett-Packard, Intel - is gratefully acknowledged. IJCAR is the premier international joint conference on all topics in automated reasoning, including foundations, implementations, and applications. Previous IJCAR conferences were held at Siena (Italy) in 2001, Cork (Ireland) in 2004, Seattle (USA) in 2006, and Sydney (Australia) in 2008. IJCAR comprises several leading conferences and workshops. In 2010, IJCAR was the fusion of the following events: -CADE: International Conference on Automated Deduction -FroCoS: International Symposium on Frontiers of Combining Systems -FTP: International Workshop on First-Order Theorem Proving - TABLEAUX: International Conference on Automated Reasoning with Analytic Tableaux and Related Methods There were 89 submissions (63 regular papers and 26 system descriptions) of which 40 were accepted (28 regular papers and 12 system descriptions). Each submission was assigned to at least three Program Committee members, who carefully reviewed the papers, with the help of 92 external referees. Afterwards, the submissions were discussed by the Program Committee during two weeks by means of Andrei Voronkov's EasyChair system. We want to thank Andrei very much for providing his system, which was very helpful for the management of the submissions and reviews and for the discussion of the Program Committee.

Cognitive Illusions Intriguing Phenomena in Judgement, Thinking and Memory Psychology Press Cognitive Illusions explores a wide range of fascinating psychological effects in the way we think, judge and remember in our everyday lives. Featuring contributions from leading researchers, the book defines what cognitive illusions are and discusses their theoretical status: are such illusions proof for a faulty human information-processing system, or do they only represent by-products of otherwise adaptive cognitive mechanisms? Throughout the book, background to phenomena such as illusions of control, overconfidence and hindsight bias are discussed, before considering the respective empirical research, potential explanations of the phenomenon, and relevant applied perspectives. Each chapter also features the detailed description of an experiment that can be used as classroom demonstration. Featuring six new chapters, this edition has been thoroughly updated throughout to reflect recent research and changes of focus within the field. This book will be of interest to students and researchers of cognitive illusions, specifically, those focusing on thinking, reasoning, decision-making and memory.

The History of the Ancient Parish of Sandbach, Co. Chester Including the Two Chapelries of Holmes Chapel and Goostry. From Original Records Ontology Makes Sense Essays in honor of Nicola Guarino IOS Press Nicola Guarino is widely recognized as one of the founders of applied ontology. His deep interest in the subtlest details of theoretical analysis and his vision of ontology as the Rosetta Stone for semantic interoperability guided the development and understanding of this domain. His motivations in research stem from the conviction that all science must be for the benefit of society at large, and his motto has always been that ontologies are not just for making information systems interoperable, but - more importantly - for ensuring that systems' users understand each other. He was among the first to recognize that applied ontology must be an interdisciplinary enterprise if it is to capture the intended meaning of the terms used by an information system. This book is a collection of essays written in homage to Nicola Guarino; a tribute to his many scientific contributions to the discipline of applied ontology. The papers presented here reflect the wide variety of research topics that marked Nicola's impact on the applied ontology community. They are grouped according to the five general areas addressed by Nicola in his career: what is an ontology; knowledge engineering; ontologies and language; ontological categories and relationships; and ontologies and applications. Nicola Guarino's work and dedication will undoubtedly continue to influence the applied ontology community, and this book will be

of interest to the many researchers aiming to establish ontologically sound bases for their research areas. **Research and Advanced Technology for Digital Libraries 12th European Conference, ECDL 2008, Aarhus, Denmark, September 14-19, 2008. Proceedings** Springer This book constitutes the refereed proceedings of the 12th European Conference on Research and Advanced Technology for Digital Libraries, ECDL 2008, held in Aarhus, Denmark, in September 2008. The 28 revised full papers and 10 revised short papers presented together with 1 panel description, the extended abstracts of 24 revised poster and demo papers were carefully reviewed and selected from a total of 125 submissions. The papers are organized in topical sections on digital preservation, social tagging, quotations and annotations, user studies and system evaluation, from content-centric to person-centric systems, citation analysis, collection building, user interfaces and personalization, interoperability, information retrieval, and metadata generation. **Handbook of Big Data Technologies** Springer This handbook offers comprehensive coverage of recent advancements in Big Data technologies and related paradigms. Chapters are authored by international leading experts in the field, and have been reviewed and revised for maximum reader value. The volume consists of twenty-five chapters organized into four main parts. Part one covers the fundamental concepts of Big Data technologies including data curation mechanisms, data models, storage models, programming models and programming platforms. It also dives into the details of implementing Big SQL query engines and big stream processing systems. Part Two focuses on the semantic aspects of Big Data management including data integration and exploratory ad hoc analysis in addition to structured querying and pattern matching techniques. Part Three presents a comprehensive overview of large scale graph processing. It covers the most recent research in large scale graph processing platforms, introducing several scalable graph querying and mining mechanisms in domains such as social networks. Part Four details novel applications that have been made possible by the rapid emergence of Big Data technologies such as Internet-of-Things (IOT), Cognitive Computing and SCADA Systems. All parts of the book discuss open research problems, including potential opportunities, that have arisen from the rapid progress of Big Data technologies and the associated increasing requirements of application domains. Designed for researchers, IT professionals and graduate students, this book is a timely contribution to the growing Big Data field. Big Data has been recognized as one of leading emerging technologies that will have a major contribution and impact on the various fields of science and various aspect of the human society over the coming decades. Therefore, the content in this book will be an essential tool to help readers understand the development and future of the field. **Data Stream Management** Morgan & Claypool Publishers Many applications process high volumes of streaming data, among them Internet traffic analysis, financial tickers, and transaction log mining. In general, a data stream is an unbounded data set that is produced incrementally over time, rather than being available in full before its processing begins. In this lecture, we give an overview of recent research in stream processing, ranging from answering simple queries on high-speed streams to loading real-time data feeds into a streaming warehouse for off-line analysis. We will discuss two types of systems for end-to-end stream processing: Data Stream Management Systems (DSMSs) and Streaming Data Warehouses (SDWs). A traditional database management system typically processes a stream of ad-hoc queries over relatively static data. In contrast, a DSMS evaluates static (long-running) queries on streaming data, making a single pass over the data and using limited working memory. In the first part of this lecture, we will discuss research problems in DSMSs, such as continuous query languages, non-blocking query operators that continually react to new data, and continuous query optimization. The second part covers SDWs, which combine the real-time response of a DSMS by loading new data as soon as they arrive with a data warehouse's ability to manage Terabytes of historical data on secondary storage. Table of Contents: Introduction / Data Stream Management Systems / Streaming Data Warehouses / Conclusions **Performance Evaluation and Benchmarking 12th TPC Technology Conference, TPCTC 2020, Tokyo, Japan, August 31, 2020, Revised Selected Papers** Springer Nature This book constitutes the refereed post-conference proceedings of the 12th TPC Technology Conference on Performance Evaluation and Benchmarking, TPCTC 2020, held in August 2020. The 8 papers presented were carefully reviewed and cover the following topics: testing ACID compliance in the LDBC social network benchmark; experimental performance evaluation of stream processing engines made easy; revisiting issues in benchmarking metric selection; performance evaluation for digital transformation; experimental comparison of relational and NoSQL document systems; a framework for supporting repetition and evaluation in the process of cloud-based DBMS performance benchmarking; benchmarking AI inference; a domain independent benchmark evolution model for the transaction processing performance council. **Long Distance Transport and Welfare of Farm Animals** CABI Around 60 billion animals are bred for food each year worldwide and more than a billion are transported, often over long distances, every week. However, awareness and understanding of animal welfare, the factors that affect it and the correlation between it and other issues such as food safety and quality are increasing. Long distance transport can cause both physical and mental problems in animals and promoting animal welfare will be beneficial to both the animals and the agricultural and processing industries. In conjunction with a global coalition of NGOs working on animal transport and welfare, this volume brings together studies from well known animal scientists and researchers to review the implications and necessity of long distance animal transport for slaughter. Authoritative reports on regional practices are combined with discussions of the science, economics, legislation and procedures involved in this practice. This review will be essential for researchers and professionals within animal production and welfare as well as veterinary science. **Logic, Language, Information and Computation 17th International Workshop, WoLLIC 2010, Brasilia, Brazil, July 6-9, 2010, Proceedings** Springer Science & Business Media This volume contains the papers presented at WoLLIC 2010: 17th Workshop on Logic, Language, Information and Computation held during July 6-9, 2010, on the campus of Universidade de Bras?lia (UnB), Brazil. The Workshop on Logic, Language, Information and Computation (WoL- LIC) is an annual event, meeting every year since 1994, which aims at fostering interdisciplinary research in pure and applied logic. The idea is to have a forum which is large enough in the number of possible interactions between logic and the sciences related to information and computation, and yet is small enough to allow for concrete and useful interaction among participants. The present volume contains 13 contributed papers that were selected from among 32 submissions after a rigorous review by the Program Committee. Each submission was reviewed by at least two, and on average three, Program C- mittee members. This volume also contains papers or abstracts that relate to the seven invited talks presented at the workshop. Between them, these papers give a snapshot of some fascinating work taking place at the frontiers between computation, logic, and linguistics. We are grateful to all the people who made this meeting possible and are responsible for its success: the members of the

Program Committee and the external reviewers, the invited speakers, the contributors, and the people who were involved in organizing the workshop. **Constructional Approaches to Syntactic Structures in German** [Walter de Gruyter GmbH & Co KG](#) This book provides a state of the art collection of constructional research on syntactic structures in German. The volume is unique in that it offers an easily accessible, yet comprehensive and sophisticated variety of papers. Moreover, various of the papers make explicit connections between grammatical constructions and the concept of valency which has figured quite prominently in Germanic Linguistics over the past half century. **Table for Four** [Penguin UK](#) It is their last evening together. Maya, Sandra and Derek, graduate students at UC Santa Cruz and house-mates for three years, are preparing for dinner with Uncle Prithvi, the house-owner. It's a cheerful and quirky household: Sandra is prone to 'Orkut attacks'; Derek silently pines for the wistful-looking Afghan boy in the photo on his wall; Maya, who has the hots for Derek, is inexplicably terrified of the ocean; and the elusive Uncle Prithvi communicates through notes he leaves all over the place. Sad at parting, perhaps forever, and half tipsy, Maya, Sandra and Uncle Prithvi play a game of wapping stories as they wait for Derek to arrive. As the evening progresses, we learn their deep, dark secrets and hidden fears. Sandra, abandoned at birth, talks about growing up in an orphanage with her precious twin, disabled Solana, only to be separated by circumstances; Uncle Prithvi rues the loss of his beloved daughter, whom he betrayed when he sought a new life with Karen in the US. Maya, the narrator, can't bring herself to open up—except when alone. And Derek avoids revealing himself altogether as he doesn't turn up at all. Finely crafted and deeply felt, *Table for Four* is a rumination on the burden of secrets, of learning to let go and accepting the betrayals and losses in our lives. **Rethinking the Trauma of War** [Free Assn Books](#) This text examines the emerging concerns about the export of trauma experts and counsellors to war-torn areas of the world. The contributors are all professionals who are involved in helping adults and children rebuild their lives after witnessing the destruction of their families and communities. Based on their own experience of working internationally, this book presents an analysis of present, misconceived attempts to give help, but also an agenda for future, more appropriate ways of responding to those affected by wars and conflicts. **ECAI 2016 22nd European Conference on Artificial Intelligence, 29 August - 2 September 2016, The Hague, The Netherlands - Including Prestigious Applications of Artificial Intelligence (PAIS 2016)** [IOS Press](#) Artificial Intelligence continues to be one of the most exciting and fast-developing fields of computer science. This book presents the 177 long papers and 123 short papers accepted for ECAI 2016, the latest edition of the biennial European Conference on Artificial Intelligence, Europe's premier venue for presenting scientific results in AI. The conference was held in The Hague, the Netherlands, from August 29 to September 2, 2016. ECAI 2016 also incorporated the conference on Prestigious Applications of Intelligent Systems (PAIS) 2016, and the Starting AI Researcher Symposium (STAIRS). The papers from PAIS are included in this volume; the papers from STAIRS are published in a separate volume in the *Frontiers in Artificial Intelligence and Applications (FAIA)* series. Organized by the European Association for Artificial Intelligence (EurAI) and the Benelux Association for Artificial Intelligence (BNVKI), the ECAI conference provides an opportunity for researchers to present and hear about the very best research in contemporary AI. This proceedings will be of interest to all those seeking an overview of the very latest innovations and developments in this field. **The Eurovision Song Contest The Official History** [Carlton Publishing Group](#) The fun, the feuds, the highs, the lows, the scandals, the outrageous outfits, the innovators and the copy cats - this book captures the singular flavour of Eurovision and charts its history from a tiny venue in Switzerland in 1955 to the modern extravaganza watched by 300 million TV viewers. **Knowledge-Based Configuration From Research to Business Cases** [Newnes](#) Knowledge-based Configuration incorporates knowledge representation formalisms to capture complex product models and reasoning methods to provide intelligent interactive behavior with the user. This book represents the first time that corporate and academic worlds collaborate integrating research and commercial benefits of knowledge-based configuration. Foundational interdisciplinary material is provided for composing models from increasingly complex products and services. Case studies, the latest research, and graphical knowledge representations that increase understanding of knowledge-based configuration provide a toolkit to continue to push the boundaries of what configurators can do and how they enable companies and customers to thrive. Includes detailed discussion of state-of-the art configuration knowledge engineering approaches such as automated testing and debugging, redundancy detection, and conflict management Provides an overview of the application of knowledge-based configuration technologies in the form of real-world case studies from SAP, Siemens, Kapsch, and more Explores the commercial benefits of knowledge-based configuration technologies to business sectors from services to industrial equipment Uses concepts that are based on an example personal computer configuration knowledge base that is represented in an UML-based graphical language