Aimq A Methodology For Information Quality Assessment

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Information Quality Management - Latif Al-Hakim 2007-01-01
Technologies such as the Internet and mobile commerce bring with them ubiquitous connectivity, real-time access, and overwhelming volumes of data and information. The growth of data warehouses and communication and information technologies has increased the need for high information quality management in organizations. Information Quality Management: Theory and Applications provides solutions to information quality problems becoming increasingly prevalent.Information Quality Management: Theory and Applications provides insights and support for professionals and researchers working in the field of information and knowledge management, information quality, practitioners and managers of manufacturing, and service industries concerned with the management of information.

Information Quality - Richard Y Wang 2014-12-18
Organizations today have access to vast stores of data that come in a wide variety of forms and may be stored in places ranging from file cabinets to databases, and from library shelves to the Internet. The enormous growth in the quantity of data, however, has brought with it growing problems with the quality of information, further complicated by the struggles many organizations are experiencing as they try to improve their systems for knowledge management and organizational memory. Failure to manage information properly, or inaccurate data, costs businesses billions of dollars each year. This volume presents cutting-edge research on information quality. Part I seeks to understand how data can be measured and evaluated for quality. Part II deals with the problem of ensuring quality while processing data into information a company can use. Part III presents case studies, while Part IV explores organizational issues related to information quality. Part V addresses issues in information quality education.

Advanced Information Systems Engineering - Barbara Pernici 2010-06-26
This book constitutes the proceedings of the 22nd International Conference on Advanced Information Systems Engineering, CAiSE 2010, held im Hammamet, Tunisia, in June 2010. The 39 papers presented were carefully reviewed and selected from 299 submissions. The topics covered are business process modeling, information systems quality, service modelling, security management, matching and mining, case studies and experiences, conceptual modelling, adaptation, requirements, and process analysis. In addition this volume contains two keynote papers and the abstract of a panel discussion.

Web Information Systems and Technologies - Joaquim Filipe 2007-08-07
The refereed post-proceedings of the 1st and 2nd International Conferences on Web Information Systems and Technologies are presented in this volume. The papers present the state of the science, addressing all relevant aspects of web information systems technologies and applications. They are grouped into four parts covering internet technology; web interfaces and applications; society, e-business, and e-government; and e-learning.

Knowledge and Technologies in Innovative Information Systems - Hakikur Rahman 2012-09-26
This book constitutes the proceedings of the 7th Mediterranean Conference on Information Systems, MCIS 2012, held in Guimaraes, Portugal, in September 2012. MCIS 2012 comprised theories, research, and practices based on knowledge management and innovations in organizations, society, and businesses. The 18 full papers presented in this volume were carefully reviewed and selected from 89 submissions. They are organized in topical sections on: emerging and innovative information systems, enterprise systems and enterprise engineering, Web 2.0 enabled business models, information quality management and data accuracy in innovative IS, and ICT applications in healthcare.
Sensor Systems and Software - Michele Magno 2017-07-18

This book constitutes the thoroughly refereed post-conference proceedings of the 7th EAI International Conference on Sensor Systems and Software, S-Cube 2016, held in Sophia Antipolis, Nice, France, in December 2016. The 15 revised full papers and 5 invited papers cover technologies for wireless sensor networks, smart city and industry 4.0 applications, and smart sensing.

Data and Information Quality - Carlo Batini 2016-03-23
This book provides a systematic and comparative description of the vast number of research issues related to the quality of data and information. It does so by delivering a sound, integrated and comprehensive overview of the state of the art and future development of data and information quality in databases and information systems. To this end, it presents an extensive description of the techniques that constitute the core of data and information quality research, including record linkage (also called object identification), data integration, error localization and correction, and examines the related techniques in a comprehensive and original methodological framework. Quality dimension definitions and adopted models are also analyzed in detail, and differences between the proposed solutions are highlighted and discussed. Furthermore, while systematically describing data and information quality as an autonomous research area, paradigms and influences deriving from other areas, such as probability theory, statistical data analysis, data mining, knowledge representation, and machine learning are also included. Last not least, the book also highlights very practical solutions, such as methodologies, benchmarks for the most effective techniques, case studies, and examples. The book has been written primarily for researchers in the fields of databases and information management or in natural sciences who are interested in investigating properties of data and information that have an impact on the quality of experiments, processes and on real life. The material presented is also sufficiently self-contained for masters or PhD-level courses, and it covers all the fundamentals and topics without the need for other textbooks. Data and information system administrators and practitioners, who deal with systems exposed to data-quality issues and as a result need a systematization of the field and practical methods in the area, will also benefit from the combination of concrete practical approaches with sound theoretical formalisms.

Ubiquitous Commerce for Creating the Personalized Marketplace: Concepts for Next Generation Adoption - Hung, Humphry 2009-05-31
"This book is a compendium of definitions and explanations of concepts and processes within u-commerce"--Provided by publisher.

Enterprise Resource Planning and Business Intelligence Systems for Information Quality - Carlo Caserio 2018-04-13
This book analyses the role of Enterprise Resource Planning (ERP) and Business Intelligence (BI) systems in improving information quality through an empirical analysis carried out in Italy. The study begins with a detailed examination of ERP features that highlights the advantages and disadvantages of ERP adoption. Critical success factors for ERP implementation and post-implementation are then discussed, along with the capabilities of ERP in driving the alignment between management accounting and financial accounting information.The study goes on to illustrate the features of BI systems and to summarize companies' needs for BI. Critical success factors for BI implementation are then presented, along with the BI maturity model and lifecycle. The focus of the research entails a detailed empirical analysis in the Italian setting designed to investigate the role played by ERP and BI systems in reducing information overload/underload and improving information quality by influencing the features of information flow. The practical and theoretical implications of the study are discussed and future avenues of research are suggested. This book will be of value for all those who have an interest in the capacities of ERP and BI systems to enhance business information quality.

IQM-CMM: Information Quality Management Capability Maturity Model - Sasa Baskarada 2010-04-03
Saša Baškarada presents a capability maturity model for information quality management process assessment and improvement. The author employed six exploratory case studies and a four round Delphi study to gain a better understanding of the research problem and to build the preliminary model, which he then applied in seven international case studies for further enhancement and external validation.

Web Information Systems - WISE 2006 - Karl Aberer 2006-10-12
This book constitutes the proceedings of the 7th International Conference on Web Information Systems Engineering, WISE 2006, held in Wuhan, China in October 2006. The 37 revised full papers and 17 revised short papers presented together with three invited lectures were carefully reviewed and selected from 183 submissions.

Advances in Computer Science and Engineering - Hamid Sarbazi-Azad 2008-11-23
It is our pleasure to welcome you to the proceedings of the 13th International C- puter Society of Iran Computer Conference (CSICC-2008). The conference has been held annually since 1995, except for 1998, when it transitioned from a year-end to first-quarter schedule. It has been moving in the direction of greater selectivity (see Fig.1) and broader international participation. Holding it in Kish Island this year represents an effort to further facilitate and encourage international contributions. We feel privileged to participate in further advancing this strong technical tradition. 60 50 40 30 20 10 0 Dec 23-26 Dec 23-25 Dec 23-25 Jan 26-28 Mar 8-10 Feb 21-23 Feb 28-30 Feb 23-26 Feb 16-19 Feb 15-18 Jan 24-26 Feb 20-22 Mar 9-11 1995 1996 1997 Iran 1999 2000 2001 U of 2002 Iran 2003 2004 2005 Iran 2006 IPM, 2007 2008 Sharif U Amirkabir U of Sharif U Shahid Isfahan, Telecom Ferdowsi Sharif U Telecom Tehran Shahid Sharif U of Tech, U of Tech, Sci/Tech, of Tech, Beheshti Isfahan Res. U, of Tech, Res. Beheshti of Tech, Tehran Tehran Tehran Tehran U, Tehran Center Mashhad Tehran Center U, Tehran Kish Island Dates, Year, Venue

Selected Readings on Strategic Information Systems - Hunter, M. Gordon 2008-08-31
"This book offers research articles on key issues concerning information technology in support of the strategic management of organizations"-- Provided by publisher.

New Contributions in Information Systems and Technologies - Alvaro Rocha 2015-03-25
This book contains a selection of articles from The 2015 World Conference on Information Systems and Technologies (WorldCIST'15), held between the 1st and 3rd of April in Funchal, Madeira, Portugal, a global forum for researchers and practitioners to present and discuss recent results and innovations, current trends, professional experiences and challenges of modern Information Systems and Technologies research, technological development and applications. The main topics covered are: Information and Knowledge Management; Organizational Models and Information Systems; Intelligent and Decision Support Systems; Big Data Analytics and Applications; Software Systems, Architectures, Applications and Tools; Multimedia Systems and Applications; Computer Networks, Mobility and Pervasive Systems; Human-Computer Interaction; Health Informatics; Information Technologies in Education; Information Technologies in Radio communications.

15th WCEAM Proceedings - João Onofre Pereira Pinto 2022-03-24
This book gathers selected peer-reviewed papers from the 15th World Congress on Engineering Asset Management (WCEAM), which was hosted by The Federal University of Mato Grosso do Sul Campo Grande, Brazil, from 15--18 August 2021 This book covers a wide range of topics in engineering asset management, including: strategy and standards; sustainability and resiliency; servitisation and Industry 4.0 business models; asset information systems; and asset management decision-making. The breadth and depth of these state-of-the-art, comprehensive proceedings make them an excellent resource for asset management practitioners, researchers, and academics, as well as undergraduate and postgraduate students.

Progressive Methods in Data Warehousing and Business Intelligence: Concepts and Competitive Analytics - Taniar, David 2009-02-28
Provides developments and research, as well as current innovative activities in data warehousing and mining, focusing on the intersection of data warehousing and business intelligence.

Information Ergonomics - Michael Stein 2012-03-30
The variety and increasing availability of hypermedia information systems, which are used in stationary applications like operators' consoles as well as mobile systems, e.g. driver information and navigation systems in automobiles form a foundation for the mediatization of the society. From the human engineering point of view this development and the ensuing increased importance of information systems for economic and private needs require careful deliberation of the derivation and application of ergonomics methods particularly in the field of information systems. This book consists of two closely intertwined parts. The first, theoretical part defines the concept of an information system, followed by an explanation of action regulation as well as cognitive theories to describe man information system interaction. A comprehensive description of information ergonomics concludes the theoretical approach. In the second, practically oriented part of this book authors from industry as well as from academic institutes illustrate the variety of current information systems taken from different fields of transportation, i.e. aviation, automotive, and railroad. The reader thus gains an overview of various applications and their context of use as well as similarities and differences in design. This does not only include a description of the different information systems but also places them in the context of the theories and models, which were presented in the first part of this book.

Manufacturing In The Era Of 4th Industrial Revolution: A World Scientific Reference (In 3 Volumes) - 2021-01-13
The era of the fourth industrial revolution has fundamentally transformed the manufacturing landscape. Products are getting increasingly complex and customers expect a higher level of customization and quality. Manufacturing in the Era of 4th Industrial Revolution explores three technologies that are the building blocks of the next-generation advanced manufacturing.The first technology covered in Volume 1 is Additive Manufacturing (AM). AM has emerged as a very popular manufacturing process. The most common form of AM is referred to as 'three-dimensional (3D) printing'. Overall, the revolution of additive manufacturing has led to many opportunities in fabricating complex, customized, and novel products. As the number of printable materials increases and AM processes evolve, manufacturing capabilities for future engineering systems will expand rapidly, resulting in a completely new paradigm for solving a myriad of global problems.The second technology is industrial robots, which is covered in Volume 2 on Robotics. Traditionally, industrial robots have been used on mass production lines, where the same manufacturing operation is repeated many times. Recent advances in human-safe industrial robots present an opportunity for creating hybrid work cells, where humans and robots can collaborate in close physical proximities. This Cobots, or collaborative robots, has opened up to opportunity for humans and robots to work more closely together. Recent advances in artificial intelligence are striving to make industrial robots more agile, with the ability to adapt to changing environments and tasks. Additionally, recent advances in force and tactile sensing enable robots to be used in complex manufacturing tasks. These new capabilities are expanding the role of robotics in manufacturing operations and leading to significant growth in the industrial robotics area.The third technology covered in Volume 3 is augmented and virtual reality. Augmented and virtual reality (AR/VR) technologies are being leveraged by the manufacturing community to improve operations in a wide variety of ways. Traditional applications have included operator training and design visualization, with more recent applications including interactive design and manufacturing planning, human and robot interactions, ergonomic analysis, information and knowledge capture, and manufacturing simulation. The advent of low-cost solutions in these areas is accepted to accelerate the rate of adoption of these technologies in the manufacturing and related sectors.Consisting of chapters by leading experts in the world, Manufacturing in the Era of 4th Industrial Revolution provides a reference set for supporting graduate programs in the advanced manufacturing area.

The Strategic Management of Information Systems - Joe Peppard 2016-04-18
A comprehensively updated revision of a book regarded by many as one the leading and authoritative titles for practitioners, academics and students in the domain of information systems and technology (IS/IT) strategy. Presents a structured framework with tools, techniques and ways of thinking which provide a practical approach to building a digital strategy, expressed primarily in the language of business and management. Brings together the implications of the significant advances in IT and the most useful current thinking, research, and experiences concerning the business impact and strategic opportunities

created by IS/IT. Peppard and Ward discuss the key questions that managers have to grapple with of where, when and how to invest in IS/IT, which is why a IS/IT (or digital) strategy is required.

Bioinformatics Research and Applications - Ion Mandoiu 2008-04-30
This book constitutes the refereed proceedings of the Fourth International Symposium on Bioinformatics Research and Applications, ISBRA 2008, held in Atlanta, GA, USA in May 2008. The 35 revised full papers presented together with 6 workshop papers and 6 invited papers were carefully reviewed and selected from a total of 94 submissions. The papers cover a wide range of topics, including clustering and classification, gene expression analysis, gene networks, genome analysis, motif finding, pathways, protein structure prediction, protein domain interactions, phylogenetics, and software tools.

Quality of Life Through Quality of Information - European Federation for Medical Informatics 2012-08-16
Medical informatics and electronic healthcare have many benefits to offer in terms of quality of life for patients, healthcare personnel, citizens and society in general. But evidence-based medicine needs quality information if it is to lead to quality of health and thus to quality of life. This book presents the full papers accepted for presentation at the MIE2012 conference, held in Pisa, Italy, in August 2012. The theme of the 2012 conference is 'Quality of Life through Quality of Information'. As always, the conference provides a unique platform for the exchange of ideas and experiences among the actors and stakeholders of ICT supported healthcare. The book incorporates contributions related to the latest achievements in biomedical and health informatics in terms of major challenges such as interoperability, collaboration, coordination and patient-oriented healthcare at the most appropriate level of care. It also offers new perspectives for the future of biomedical and health Informatics, critical appraisal of strategies for user involvement, insights for design, deployment and the sustainable use of electronic health records, standards, social software, citizen centred e-health, and new challenges in rehabilitation and social care informatics. The topics presented are interdisciplinary in nature and will be of interest to a variety of professionals; physicians, nurses and other allied health providers, health informaticians, engineers, academics and representatives from industry and consultancy in the various fields.

Data Quality - Carlo Batini 2006-09-27
Poor data quality can seriously hinder or damage the efficiency and effectiveness of organizations and businesses. The growing awareness of such repercussions has led to major public initiatives like the "Data Quality Act" in the USA and the "European 2003/98" directive of the European Parliament. Batini and Scannapieco present a comprehensive and systematic introduction to the wide set of issues related to data quality. They start with a detailed description of different data quality dimensions, like accuracy, completeness, and consistency, and their importance in different types of data, like federated data, web data, or time-dependent data, and in different data categories classified according to frequency of change, like stable, long-term, and frequently changing data. The book's extensive description of techniques and methodologies from core data quality research as well as from related fields like data mining, probability theory, statistical data analysis, and machine learning gives an excellent overview of the current state of the art. The presentation is completed by a short description and critical comparison of tools and practical methodologies, which will help readers to resolve their own quality problems. This book is an ideal combination of the soundness of theoretical foundations and the applicability of practical approaches. It is ideally suited for everyone – researchers, students, or professionals – interested in a comprehensive overview of data quality issues. In addition, it will serve as the basis for an introductory course or for self-study on this topic.

Software Process and Product Measurement - Juan J. Cuadrado-Gallego 2008-08-25
Since 1990 the International Workshop on Software Measurement (IWSM) has been celebrated annually in Montr´eal (Qu´ebec), Canada, and di?erent places all over Germany by turns. The Montr´eal editions were organized by the Soft- 1´ware Engineering Research Laboratory (GELOG) of the Ecole de technologie ´sup´erieure (ETS) at the University of Qu´ebec at Montr´eal (UQAM), which is directed by Professor Alain Abran. The German editions were organized 2 jointly by the Software Measurement Laboratory (SMLAB) of the Otto-von-Guericke-UniversityMagdeburg,Germany,whichisdirectedbyProfessorReiner R. Dumke; and the German-speaking user association for software metrics and 3 e?ort estimation (DASMA e. V.) . Partially, the editions of IWSM

were held jointly with the DASMA Software Metrik Kongress (MetriKon). 4 Organized by an initiative of Jos´e Javier Dolado from the University of 5 the Basque Country at San Sebastian and Juan J. Cuadrado-Gallego from the University of Alcal´a in Madrid the ?rst edition of the International Conference onSoftwareMeasurement(Mensura) couldbe convenedin C´adiz,Spainin 2006. Motivated by this success and with the ?rst edition of Mensura ?nding special approval, the organizers of IWSM and Mensura decided to complement each other and, thus, to organize the next conference edition together. In November 2007, the typical convention month for both conferences, that joint conference was held in Palma de Mallorca, Spain.

Information Quality - Ron S. Kenett 2016-10-13
Provides an important framework for data analysts in assessing the quality of data and its potential to provide meaningful insights through analysis Analytics and statistical analysis have become pervasive topics, mainly due to the growing availability of data and analytic tools. Technology, however, fails to deliver insights with added value if the quality of the information it generates is not assured. Information Quality (InfoQ) is a tool developed by the authors to assess the potential of a dataset to achieve a goal of interest, using data analysis. Whether the information quality of a dataset is sufficient is of practical importance at many stages of the data analytics journey, from the pre-data collection stage to the post-data collection and post-analysis stages. It is also critical to various stakeholders: data collection agencies, analysts, data scientists, and management. This book: Explains how to integrate the notions of goal, data, analysis and utility that are the main building blocks of data analysis within any domain. Presents a framework for integrating domain knowledge with data analysis. Provides a combination of both methodological and practical aspects of data analysis. Discusses issues surrounding the implementation and integration of InfoQ in both academic programmes and business / industrial projects. Showcases numerous case studies in a variety of application areas such as education, healthcare, official statistics, risk management and marketing surveys. Presents a review of software tools from the InfoQ perspective along with example datasets on an accompanying website. This book will be beneficial for researchers in academia and in industry, analysts, consultants, and agencies that collect and analyse data as well as undergraduate and postgraduate courses involving data analysis.

Knowledge Engineering and Knowledge Management - Eva Blomqvist 2016-11-12
This book constitutes the refereed proceedings of the 20th InternationalConference on Knowledge Engineering and Knowledge Management, EKAW 2016,held in Bologna, Italy, in November 2016. The 51 full papers presented were carefully reviewed and selected from 171 submissions. The papers cover all aspects of eliciting, acquiring, modeling, and managing knowledge, the construction of knowledge-intensive systems and services for the Semantic Web, knowledge management, e-business, natural language processing,intelligent information integration, personal digital assistance systems, and a variety of other related topics. A special focus was on "evolving knowledge", i.e., the impact of space and time on knowledge representation, concerning all aspects of the management and acquisition of knowledge representation of evolving, contextual, and local models.

Handbook of Research on Web Information Systems Quality - Calero, Coral 2008-02-28
Web information systems engineering resolves the multifaceted issues of Web-based systems development; however, as part of an emergent yet prolific industry, Web site quality assurance is a continually adaptive process needing a comprehensive reference tool to merge all cutting-edge research and innovations. The Handbook of Research on Web Information Systems Quality integrates 30 authoritative contributions by 72 of the world's leading experts on the models, measures, and methodologies of Web information systems, software quality, and Web engineering into one practical guide to Web information systems quality, making this handbook of research an essential addition to all library collections.

Technological Innovation for Resilient Systems - Luis M. Camarinha-Matos 2018-04-23
This book constitutes the refereed proceedings of the 9th IFIP WG 5.5/SOCOLNET Advanced Doctoral Conference on Computing, Electrical and Industrial Systems, DoCEIS 2018, held in Costa de Caparica, Portugal, in May 2018. The 30 revised full papers presented were carefully reviewed and selected from 74 submissions. The papers present

selected results produced in engineering doctoral programs and focus on technological innovation for resilient systems. Research results and ongoing work are presented, illustrated and discussed in the following areas: collaborative systems, decision support systems, supervision systems, energy management, smart grids, sensing systems, electrical systems, simulation and analysis, monitoring systems, and energy distribution systems.

Population Health Analytics - Martha L. Sylvia 2021-03
"Binding: PB"--

Electronic Services: Concepts, Methodologies, Tools and Applications - Management Association, Information Resources 2010-05-31
With the increasing reliance on digital means to transact goods that are retail and communication based, e-services continue to develop as key applications for business, finance, industry and innovation.Electronic Services: Concepts, Methodologies, Tools and Applications is an all-inclusive research collection covering the latest studies on the consumption, delivery and availability of e-services. This multi-volume book contains over 100 articles, making it an essential reference for the evolving e-services discipline.

Information Systems for Business - France Bélanger, PhD 2011-11-29
Information Systems: An Experiential Approach is a brief,inexpensive, paperback alternative for professors who want anexperiential approach for the undergraduate or first year graduatelevel Intro to IS course. Offering a learner-centeredapproach and using a learn-do-reflect model,Bélanger/Van Slyke provides a focused treatment of topics andengaging activities. The authors have used this model in theirclasses to great success. The authors found that students performedbetter on exams, class discussions became more animated andattendance improved as engagement with the material increased.

Challenges and Opportunities for Knowledge Organization in the Digital Age - Fernanda Ribeiro 2018-07-11
Thema der 15. Internationalen Konferenz der International Society for Knowledge Organization vom 9. bis 11. Juli 2018 in Porto ist "Challenges and Opportunities for Knowledge Organization in the Digital Age". Der Konferenzband fasst die Vorträge von Wissenschaftlern aus aller Welt zusammen.

Challenges of Managing Information Quality in Service Organizations - Al-Hakim, Latif 2006-09-30
"Incorrect and misleading information associated with an enterprise's production and service jeopardize both customer relationships and customer satisfaction, and ultimately have a negative effect on revenue. This book provides insight and support for academic professionals as well as for practitioners concerned with the management of information"--Provided by publisher.

Data Warehouses and OLAP - Robert Wrembel 2007-01-01
Data warehouses and online analytical processing (OLAP) are emerging key technologies for enterprise decision support systems. They provide sophisticated technologies from data integration, data collection and retrieval, query optimization, and data analysis to advanced user interfaces. New research and technological achievements in the area of data warehousing are implemented in commercial database management systems, and organizations are developing data warehouse systems into their information system infrastructures. Data Warehouses and OLAP: Concepts, Architectures and Solutions covers a wide range of technical, technological, and research issues. It provides theoretical frameworks, presents challenges and their possible solutions, and examines the latest empirical research findings in the area. It is a resource of possible solutions and technologies that can be applied when designing, implementing, and deploying a data warehouse, and assists in the dissemination of knowledge in this field.

Advances in Multimedia Modeling - Shipeng Li 2013-01-05
The two-volume set LNCS 7732 and 7733 constitutes the thoroughly refereed proceedings of the 19th International Conference on Multimedia Modeling, MMM 2012, held in Huangshan, China, in January 2013. The 30 revised regular papers, 46 special session papers, 20 poster session papers, and 15 demo session papers, and 6 video browser showdown were carefully reviewed and selected from numeroues submissions. The two volumes contain papers presented in the topical sections on multimedia annotation I and II, interactive and mobile multimedia, classification, recognition and tracking I and II, ranking in search, multimedia representation, multimedia systems, poster papers, special session papers, demo session papers, and video browser showdown.

The Philosophy of Information Quality - Luciano Floridi 2014-08-01
This work fulfills the need for a conceptual and technical framework to improve understanding of Information Quality (IQ) and Information Quality standards. The meaning and practical implementation of IQ are addressed, as it is relevant to any field where there is a need to handle data and issues such as accessibility, accuracy, completeness, currency, integrity, reliability, timeliness, usability, the role of metrics and so forth are all a part of Information Quality. In order to support the cross-fertilization of theory and practice, the latest research is presented in this book. The perspectives of experts from beyond the origins of IQ in computer science are included: library and information science practitioners and academics, philosophers of information, of engineering and technology, and of science are all contributors to this volume. The chapters in this volume are based on the work of a collaborative research project involving the Arts and Humanities Research Council and Google and led by Professor Luciano Floridi, University of Oxford. This work will be of interest to anyone handling data, including those from commercial, public, governmental and academic organizations. The expert editors' contributions introduce issues of interest to scientists, database curators and philosophers, even though the issues may be disguised in the language and examples common to a different discipline.

Information Quality and Governance for Business Intelligence - Yeoh, William 2013-12-31
Business intelligence initiatives have been dominating the technology priority list of many organizations. However, the lack of effective information quality and governance strategies and policies has been meeting these initiatives with some challenges. Information Quality and Governance for Business Intelligence presents the latest exchange of academic research on all aspects of practicing and managing information using a multidisciplinary approach that examines its quality for organizational growth. This book is an essential reference tool for researchers, practitioners, and university students specializing in business intelligence, information quality, and information systems.

Business Process Management - Thomas Hildebrandt 2019-08-23
This book constitutes the proceedings of the 17th International Conference on Business Process Management, BPM 2019, held in Vienna, Austria, in September 2019. The 23 full and 4 tutorial short papers included in this volume were carefully reviewed and selected from 115 submissions. The papers were organized in topical sections named: foundations; engineering; and management.

Supply Chain Management Strategies and Risk Assessment in Retail Environments - Kumar, Akhilesh 2017-12-15
The proper understanding and managing of project risks and uncertainties is crucial to any organization. It is paramount that all phases of project development and execution are monitored to avoid poor project results from meager economics, overspending, and reputation. Supply Chain Management Strategies and Risk Assessment in Retail Environments is a comprehensive reference source for the latest scholarly material on effectively managing risk factors and implementing the latest supply management strategies in retail environments. Featuring coverage on relevant topics such as omni-channel retail, green supply chain, and customer loyalty, this book is geared toward academicians, researchers, and students seeking current research on the challenges and opportunities available in the realm of retail and the flow of materials, information, and finances between companies and consumers.

ITNG 2021 18th International Conference on Information Technology-New Generations - Shahram Latifi 2021-06-04
This volume represents the 18th International Conference on Information Technology - New Generations (ITNG), 2021. ITNG is an annual event focusing on state of the art technologies pertaining to digital information and communications. The applications of advanced information technology to such domains as astronomy, biology, education, geosciences, security, and health care are the among topics of relevance to ITNG. Visionary ideas, theoretical and experimental results, as well as prototypes, designs, and tools that help the information readily flow to the user are of special interest. Machine Learning, Robotics, High Performance Computing, and Innovative Methods of Computing are examples of related topics. The conference features keynote speakers, a best student award, poster award, service award, a technical open panel, and workshops/exhibits from industry, government and academia. This publication is unique as it captures modern trends in IT with a balance of theoretical and experimental work. Most other work focus either on theoretical or experimental, but not both. Accordingly, we do not know of any competitive literature.

Security Management, Integrity, and Internal Control in Information Systems - Steve Furnell 2006-06-03

This is the first joint working conference between the IFIP Working Groups 11. 1 and 11. 5. We hope this joint conference will promote collaboration among researchers who focus on the security management issues and those who are interested in integrity and control of information systems. Indeed, as management at any level may be increasingly held answerable for the reliable and secure operation of the information systems and services in their respective organizations in the same manner as they are for financial aspects of the enterprise, there is an increasing need for ensuring proper standards of integrity and control in information systems in order to ensure that data, software and, ultimately, the business processes are complete, adequate and valid for intended functionality and expectations of the owner (i. e. the user organization). As organizers, we would like to thank the members of the international program committee for their review work during the paper selection process. We would also like to thank the authors of the invited papers, who added valuable contribution to this first joint working conference. Paul Dowland X. Sean Wang December 2005 Contents Preface vii Session 1 - Security Standards Information Security Standards: Adoption Drivers (Invited Paper) 1 JEAN-NOEL EZINGEARD AND DAVID BIRCHALL Data Quality Dimensions for Information Systems Security: A Theorectical Exposition (Invited Paper) 21 GURVIRENDER TEJAY, GURPREET DHILLON, AND AMITA GOYAL CHIN From XML to RDF: Syntax, Semantics, Security, and Integrity (Invited Paper) 41 C. FARKAS, V. GowADiA, A. JAIN, AND D.