

Maths Benchmark Paper 2012

Selected Topics in Performance Evaluation and Benchmarking **Computer Vision - ECCV 2012** *OpenMP in a Heterogeneous World* *Computer Vision -- ECCV 2012. Workshops and Demonstrations* **European Capital Markets Law Benchmarking** **Transaction and Analytical Processing Systems** *The Web of Geological Sciences* **Performance Benchmarking of Application Monitoring Frameworks** **Background Modeling and Foreground Detection for Video Surveillance** *Performance Evaluation and Benchmarking for the Analytics Era* *The Palgrave Handbook of International Energy Economics* **Big Data Benchmarking** **Advancing Big Data Benchmarks** **Achieving Open Justice through Citizen Participation and Transparency** **Big Data Analytics** *The Consumer Benchmarks in the Unfair Commercial Practices Directive* *Proceedings of the 15th European Conference on eGovernment 2015* *Integrity, Risk and Accountability in Capital Markets* **11th International Symposium on Process Systems Engineering - PSE2012** **Jamaica** *Benchmark-Manipulation* *The Global Debt Crisis* **Trends and Advances in Information Systems and Technologies** *ECRM2012-Proceedings of the 11th European Conference on Research Methods* *Private Equity* **Benchmarking, Measuring, and Optimizing** **Benchmarking Islamic Finance** **Handbook of Fiber Optic Data Communication** **Revisiting Risk-Weighted Assets** **Intelligent Data Engineering and Automated Learning -- IDEAL 2013** **Performance Characterization and Benchmarking. Traditional to Big Data** *Benchmarking of Control Strategies for Wastewater Treatment Plants* *Networked Digital Technologies* **Personal Benchmark** *The Semantic Web -- ISWC 2012* **Knowledge Engineering and Knowledge Management** **Noise, Vibration and Harshness of Electric and Hybrid Vehicles** **Advanced Parallel Processing Technologies** *Invasive Species and Global Climate Change* **Transnational Gas Markets and Euro-Russian Energy Relations**

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Advanced Parallel Processing Technologies Aug 27 2019 This book constitutes the refereed post-proceedings of the 10th International Symposium on Advanced Parallel Processing Technologies, APPT 2013, held in Stockholm, Sweden, in August 2013. The 30 revised full papers presented were carefully reviewed and selected from 62 submissions. The papers cover a wide range of topics capturing some of the state of the art and practice in parallel architecture, parallel software, concurrent and distributed systems, and cloud computing, with a highlight on computing systems for big data applications.

Trends and Advances in Information Systems and Technologies Dec 12 2020 This book includes a selection of papers from the 2018 World Conference on Information Systems and Technologies (WorldCIST'18), held in Naples, Italy on March27-29, 2018. WorldCIST is a global forum for researchers and practitioners to present and discuss recent results and innovations, current trends, professional experiences and the challenges of modern information systems and technologies research together with their technological development and applications. The main topics covered are: A) Information and Knowledge Management; B) Organizational Models and Information Systems; C) Software and Systems Modeling; D) Software Systems, Architectures, Applications and Tools; E) Multimedia Systems and Applications; F) Computer Networks, Mobility and Pervasive Systems; G) Intelligent and Decision Support Systems; H) Big Data Analytics and Applications; I) Human-Computer Interaction; J) Ethics, Computers & Security; K) Health Informatics; L) Information Technologies in Education; M) Information Technologies in Radiocommunications; N) Technologies for Biomedical Applications.

Benchmarking, Measuring, and Optimizing Sep 08 2020 This book constitutes the refereed proceedings of the First International Symposium on Benchmarking, Measuring, and Optimization, Bench 2018, held in Seattle, WA, USA, in December 2018. The 20 full papers presented were carefully reviewed and selected from 51 submissions. The papers are organized in topical sections named: AI Benchmarking; Cloud; Big Data; Modelling and Prediction; and Algorithm and Implementations.

Performance Evaluation and Benchmarking for the Analytics Era Jan 25 2022 This book constitutes the thoroughly refereed post-conference proceedings of the 8th TPC Technology Conference, on Performance Evaluation and Benchmarking, TPCTC 2017, held in conjunction with the43rd International Conference on Very Large Databases (VLDB 2017) in August/September 2017. The 12 papers presented were carefully reviewed and selected from numerousubmissions. The TPC remains committed to developing new benchmark standards to keep pace with these rapid changes in technology.

Computer Vision -- ECCV 2012. Workshops and Demonstrations Jul 31 2022 The three volume set LNCS 7583, 7584 and 7585 comprises the

Workshops and Demonstrations which took place in connection with the European Conference on Computer Vision, ECCV 2012, held in Firenze, Italy, in October 2012. The total of 179 workshop papers and 23 demonstration papers was carefully reviewed and selected for inclusion in the proceedings. They where held at workshops with the following themes: non-rigid shape analysis and deformable image alignment; visual analysis and geo-localization of large-scale imagery; Web-scale vision and social media; video event categorization, tagging and retrieval; re-identification; biological and computer vision interfaces; where computer vision meets art; consumer depth cameras for computer vision; unsolved problems in optical flow and stereo estimation; what's in a face?; color and photometry in computer vision; computer vision in vehicle technology: from earth to mars; parts and attributes; analysis and retrieval of tracked events and motion in imagery streams; action recognition and pose estimation in still images; higher-order models and global constraints in computer vision; information fusion in computer vision for concept recognition; 2.5D sensing technologies in motion: the quest for 3D; benchmarking facial image analysis technologies.

Big Data Benchmarking Nov 22 2021 This book constitutes the thoroughly refereed post-workshop proceedings of the 5th International Workshop on Big Data Benchmarking, WBDB 2014, held in Potsdam, Germany, in August 2014. The 13 papers presented in this book were carefully reviewed and selected from numerous submissions and cover topics such as benchmarks specifications and proposals, Hadoop and MapReduce - in the different context such as virtualization and cloud - as well as in-memory, data generation, and graphs.

Selected Topics in Performance Evaluation and Benchmarking Nov 03 2022 This book constitutes the refereed proceedings of the 4th TPC Technology Conference, TPCTC 2012, held in Istanbul, Turkey, in August 2012. It contains 10 selected peer-reviewed papers, 2 invited talks, a report from the TPC Public Relations Committee, and a report from the workshop on Big Data Benchmarking, WBDB 2012. The papers present novel ideas and methodologies in performance evaluation, measurement, and characterization.

The Consumer Benchmarks in the Unfair Commercial Practices Directive Jul 19 2021 This book investigates the regime of consumer benchmarks in the Unfair Commercial Practices Directive and explores to what extent this regime meets each of the goals of the Directive. In particular, it assesses whether the consumer benchmarks are suitable in terms of achieving the three goals of the Directive: achieving a high level of consumer protection, increasing the smooth functioning of the internal market, and improving competition in the market as such. In addition to providing a thorough analysis of the consumer benchmarks and their relationship to the goals of the Directive, at a more practical level, the book provides insight into the working and consequences of the benchmarks that can be used in the evaluation of the Unfair Commercial Practices Directive and its application by the CJEU. This assessment is

important because the Directive, while promising to regulate unfair commercial practices in a way that achieves the Directive's goals, has removed the possibility for Member States to regulate unfair commercial practices themselves.

Networked Digital Technologies Jan 31 2020 This two-volume-set (CCIS 293 and CCIS 294) constitutes the refereed proceedings of the International Conference on Networked Digital Technologies, NDT 2012, held in Dubai, UAE, in April 2012. The 96 papers presented in the two volumes were carefully reviewed and selected from 228 submissions. The papers are organized in topical sections on collaborative systems for e-sciences; context-aware processing and ubiquitous systems; data and network mining; grid and cloud computing; information and data management; intelligent agent-based systems; internet modeling and design; mobile, ad hoc and sensor network management; peer-to-peer social networks; quality of service for networked systems; semantic Web and ontologies; security and access control; signal processing and computer vision for networked systems; social networks; Web services.

Performance Benchmarking of Application Monitoring Frameworks

Mar 27 2022 Application-level monitoring of continuously operating software systems provides insights into their dynamic behavior, helping to maintain their performance and availability during runtime. Such monitoring may cause a significant runtime overhead to the monitored system, depending on the number and location of used instrumentation probes. In order to improve a system's instrumentation and to reduce the caused monitoring overhead, it is necessary to know the performance impact of each probe. While many monitoring frameworks are claiming to have minimal impact on the performance, these claims are often not backed up with a detailed performance evaluation determining the actual cost of monitoring. Benchmarks can be used as an effective and affordable way for these evaluations. However, no benchmark specifically targeting the overhead of monitoring itself exists. Furthermore, no established benchmark engineering methodology exists that provides guidelines for the design, execution, and analysis of benchmarks. This thesis introduces a benchmark approach to measure the performance overhead of application-level monitoring frameworks. The core contributions of this approach are 1) a definition of common causes of monitoring overhead, 2) a general benchmark engineering methodology, 3) the MooBench micro-benchmark to measure and quantify causes of monitoring overhead, and 4) detailed performance evaluations of three different application-level monitoring frameworks. Extensive experiments demonstrate the feasibility and practicality of the approach and validate the benchmark results. The developed benchmark is available as open source software and the results of all experiments are available for download to facilitate further validation and replication of the results.

Intelligent Data Engineering and Automated Learning -- IDEAL

2013 May 05 2020 This book constitutes the refereed proceedings of the 14th International Conference on Intelligent Data Engineering and Automated Learning, IDEAL 2013, held in Hefei, China, in October 2013. The 76 revised full papers presented were carefully reviewed and selected from more than 130 submissions. These papers provided a valuable collection of latest research outcomes in data engineering and automated learning, from methodologies, frameworks and techniques to applications. In addition to various topics such as evolutionary algorithms, neural networks, probabilistic modelling, swarm intelligent, multi-objective optimisation, and practical applications in regression, classification, clustering, biological data processing, text processing, video analysis, including a number of special sessions on emerging topics such as adaptation and learning multi-agent systems, big data, swarm intelligence and data mining, and combining learning and optimisation in intelligent data engineering.

Benchmarking Islamic Finance Aug 08 2020 Pricing or benchmarking is a process of evaluating the performance of a financial company's products and services or systems, against other businesses, considered to be at the top of their field, by applying a measurement of "best in performance." This book includes contributions from the leading global experts in the field who tackle topics such as whether the Islamic financial system has been dependent on the LIBOR / EURIBOR in its benchmarking exercises to date, and thus, whether it will be affected negatively by the predicted non-existence of the LIBOR / EURIBOR from 2021 onwards. They also address the question of whether the Islamic financial system requires benchmarking of its products and services and consider the emergence of Sharī'ah-justified benchmarking in today's Islamic financial system. Additionally, they look at how benchmarking formulas should be adapted to ensure the satisfaction of customers

within the principles of Maqasid al-Sharī'ah. It takes a legal and institutional approach to the subject, which readers will find particularly valuable, as there are various forms of Islamic finance institutions that do not conform to established models in the finance industry.

Furthermore, there are emerging business models that will benefit from this line of investigation. This book offers a timely analysis of these issues and redresses the existing misconceptions and misinterpretations pertaining to benchmarking, in an Islamic finance context, and, as such, provides guidance and strategies for future directions. It will appeal to researchers of Islamic banking, finance, and insurance, as well as, practitioners, particularly standard setting bodies, regulators, and policy makers.

Noise, Vibration and Harshness of Electric and Hybrid Vehicles

Sep 28 2019 The noise, vibration, and harshness (NVH), also known as noise and vibration (N&V), is a critical feature for customers to assess the performance and quality of vehicles. NVH characteristics are higher among factors that customers use to judge the vehicle's quality. This book sets out to introduce the basic concepts, principles, and applications of the NVH development and refinement of Battery Electric Vehicles (BEV), Hybrid Electric Vehicles (HEV), and Fuel Cell Electric Vehicles. Each type comes with its own set of challenges.

Computer Vision - ECCV 2012 Oct 02 2022 The seven-volume set comprising LNCS volumes 7572-7578 constitutes the refereed proceedings of the 12th European Conference on Computer Vision, ECCV 2012, held in Florence, Italy, in October 2012. The 408 revised papers presented were carefully reviewed and selected from 1437 submissions. The papers are organized in topical sections on geometry, 2D and 3D shapes, 3D reconstruction, visual recognition and classification, visual features and image matching, visual monitoring: action and activities, models, optimisation, learning, visual tracking and image registration, photometry: lighting and colour, and image segmentation.

The Global Debt Crisis Jan 13 2021 Debt crises have placed strains not only on the European Union's nascent federal system but also on the federal system in the United States. Old confrontations over fiscal responsibility are being renewed, often in a more virulent form, in places as far flung as Detroit, Michigan, and Valencia, Spain, to say nothing of Greece and Cyprus. Increasing the complexity of the issue has been public sector collective bargaining, now a component of most federal systems. The attendant political controversies have become the debate of a generation. Paul Peterson and Daniel Nadler have assembled experts from both sides of the Atlantic to break down the structural flaws in federal systems of government that have led to economic and political turmoil. Proposed solutions offer ways to preserve and restore vibrant federal systems that meet the needs of communities struggling for survival in an increasingly unified global economy. Contributors: Andrew G. Biggs (American Enterprise Institute); César Colino (National Distance Education University, Madrid); Eloísa del Pino (Instituto de Políticas y Bienes Públicos, Madrid); Henrik Enderlein (Hertie School of Governance, Berlin); Cory Koedel (University of Missouri); Carlos Xabel Lastra-Anadón (Harvard University); Daniel Nadler (Harvard University); Shawn Ni (University of Missouri); Amy Nugent (Government of Ontario, Canada); James Pearce (Mowat Centre, University of Toronto, Canada); Paul E. Peterson (Harvard University); Michael Podgursky (University of Missouri); Jason Richwine (Washington, D.C.); Jonathan Rodden (Stanford University); Daniel Shoag (Harvard University); Richard Simeon (University of Toronto, Canada); Camillo von Müller (University of St. Gallen, Switzerland, and Leuphana University, Germany); Daniel Ziblatt (Harvard University)

Revisiting Risk-Weighted Assets Jun 05 2020 In this paper, we provide an overview of the concerns surrounding the variations in the calculation of risk-weighted assets (RWAs) across banks and jurisdictions and how this might undermine the Basel III capital adequacy framework. We discuss the key drivers behind the differences in these calculations, drawing upon a sample of systemically important banks from Europe, North America, and Asia Pacific. We then discuss a range of policy options that could be explored to fix the actual and perceived problems with RWAs, and improve the use of risk-sensitive capital ratios.

The Palgrave Handbook of International Energy Economics Dec 24 2021 This open access handbook is distinguished by its emphasis on international energy, rather than domestic energy policies or international geopolitic aspects. Addressing key topics such as energy production and distribution, renewables and corporate energy structures, alongside global energy trends, regional case studies and emerging areas such as the digitalization of energy and energy transition, this handbook provides a major new contribution to the field

of international energy economics. Written by academics, practitioners and policy-makers, this handbook is a valuable and timely addition to the literature on international energy economics. This book was published open access with the support of Eni.

Advancing Big Data Benchmarks Oct 22 2021 This book constitutes the thoroughly refereed joint proceedings of the Third and Fourth Workshop on Big Data Benchmarking. The third WBDB was held in Xi'an, China, in July 2013 and the Fourth WBDB was held in San José, CA, USA, in October, 2013. The 15 papers presented in this book were carefully reviewed and selected from 33 presentations. They focus on big data benchmarks; applications and scenarios; tools, systems and surveys.

Jamaica Mar 15 2021 Jamaica has performed well under the Stand-By Arrangement program. Executive Directors commended that overall macroeconomic performance under the program has been encouraging. Directors welcomed the program aimed at fiscal responsibility legislation and central treasury management, public debt restructuring, financial sector reforms, including the improvement of consolidated supervision and the regulation of nonbanks. They agreed that the sale of Air Jamaica represents an important milestone. Based on overall satisfactory performance of Jamaica on completion of the First Review of the SBA, the IMF approved immediate fund disbursement.

Handbook of Fiber Optic Data Communication Jul 07 2020 In recent years, there have been many fundamental changes in the architecture of modern data centers. New applications have emerged, including cloud computing, big data analytics, real-time stock trading, and more. Workloads have evolved from a predominantly static environment into one that changes over time in response to user demands, often as part of a highly virtualized, multitenant data center. In response to these new requirements, data center networks have also undergone significant change. Conventional network architectures, which use Ethernet access, aggregation, and core tiers with a separate storage area network, are not well suited to modern data center traffic patterns. This chapter reviews the evolution from conventional network architectures into designs better suited to dynamic, distributed workloads. This includes flattening the network, converging Ethernet with storage and other protocols, and virtualizing and scaling the network. Effects of oversubscription, latency, higher data rates, availability, reliability, energy efficiency, and network security will be discussed.

Benchmarking Transaction and Analytical Processing Systems May 29 2022 Systems for Online Transaction Processing (OLTP) and Online Analytical Processing (OLAP) are currently separate. The potential of the latest technologies and changes in operational and analytical applications over the last decade have given rise to the unification of these systems, which can be of benefit for both workloads. Research and industry have reacted and prototypes of hybrid database systems are now appearing. Benchmarks are the standard method for evaluating, comparing and supporting the development of new database systems. Because of the separation of OLTP and OLAP systems, existing benchmarks are only focused on one or the other. With the rise of hybrid database systems, benchmarks to assess these systems will be needed as well. Based on the examination of existing benchmarks, a new benchmark for hybrid database systems is introduced in this book. It is furthermore used to determine the effect of adding OLAP to an OLTP workload and is applied to analyze the impact of typically used optimizations in the historically separate OLTP and OLAP domains in mixed-workload scenarios.

Big Data Analytics Aug 20 2021 This book has a collection of articles written by Big Data experts to describe some of the cutting-edge methods and applications from their respective areas of interest, and provides the reader with a detailed overview of the field of Big Data Analytics as it is practiced today. The chapters cover technical aspects of key areas that generate and use Big Data such as management and finance; medicine and healthcare; genome, cytome and microbiome; graphs and networks; Internet of Things; Big Data standards; benchmarking of systems; and others. In addition to different applications, key algorithmic approaches such as graph partitioning, clustering and finite mixture modelling of high-dimensional data are also covered. The varied collection of themes in this volume introduces the reader to the richness of the emerging field of Big Data Analytics.

The Web of Geological Sciences Apr 27 2022 "This volume covers many of the important advances in the geological sciences from 1963 to 2013. These advances include understanding plate tectonics, exploration of the Moon and Mars, development of new computing and analytical technologies, understanding of the role of microbiology in geologic processes, and many others"--Provided by publisher.

OpenMP in a Heterogeneous World Sep 01 2022 This book constitutes the refereed proceedings of the 8th International Workshop on OpenMP, held in Rome, Italy, in June 2012. The 18 technical full papers presented together with 7 posters were carefully reviewed and selected from 30 submissions. The papers are organized in topical sections on proposed extensions to OpenMP, runtime environments, optimization and accelerators, task parallelism, validations and benchmarks

Integrity, Risk and Accountability in Capital Markets May 17 2021 The global economy is yet to recover from the aftershocks of the Global Financial Crisis (GFC). In particular many national economies are struggling to adjust to austerity programs that are a direct result of the toxic effects of the crisis. Governments, regulatory agencies, international organisations, media commentators, finance industry organisations and professionals, academics and affected citizens have offered partial explanations for what has occurred. Some of these actors have sought to introduce legislative and other regulatory initiatives to improve operational standards in capital markets. However, the exposure post-GFC of the scandal surrounding the manipulation over many years of the London Interbank Offered Rate (LIBOR) highlighted that the most important obstacles to counter the destructive potential of our global finance system are normative not technical. Regulating the culture of the finance sector is one of the greatest challenges facing contemporary society. This edited volume brings together leading professionals, regulators and academics with knowledge of how cultural forces shape integrity, risk and accountability in capital markets. The book will be of benefit not only to industry, regulatory and academic communities whose focus is upon financial markets and professionals. It is of value to any person or organisation interested in how the cultural underpinnings of the finance sector shape how capital markets actually operate and are regulated. It is a stark lesson of history that financial crises will occur. As national economies become ever more inter-connected and inter-dependent under conditions of global financial capitalism, it becomes ever more important to know how cultural and other normative forces might be adjusted to militate against the effects of future disasters.

European Capital Markets Law Jun 29 2022 European capital markets law has developed rapidly in recent years. The former directives have been replaced by regulations and numerous implementing legal acts aimed at ensuring a level playing field across the EU. The financial crisis has given further impetus to the development of a European supervisory structure. This book systematises the European law and examines the underlying concepts from a broadly interdisciplinary perspective. National experiences in selected Member States - Austria, France, Germany, Italy, Spain, Sweden and the United Kingdom - are also explored. The first chapter deals with the foundations of capital markets law in Europe, the second explains the basics, and the third examines the regime on market abuse. Chapter four explores the disclosure system and chapter five the roles of intermediaries, such as financial analysts, rating agencies and proxy advisers. Short selling and high frequency trading is described in chapter six. Chapter seven deals with financial services and chapter eight explains compliance and corporate governance in investment firms. Chapter nine illustrates the regulation of benchmarks. Finally, chapter ten deals with public takeovers. Throughout the book emphasis is placed on legal practice, and frequent reference is made to the key decisions of supervisory authorities and courts.

The Semantic Web -- ISWC 2012 Nov 30 2019 The two-volume set LNCS 7649 + 7650 constitutes the refereed proceedings of the 11th International Semantic Web Conference, ISWC 2012, held in Boston, MA, USA, in November 2012. The International Semantic Web Conference is the premier forum for Semantic Web research, where cutting edge scientific results and technological innovations are presented, where problems and solutions are discussed, and where the future of this vision is being developed. It brings together specialists in fields such as artificial intelligence, databases, social networks, distributed computing, Web engineering, information systems, human-computer interaction, natural language processing, and the social sciences. Volume 1 contains a total of 41 papers which were presented in the research track. They were carefully reviewed and selected from 186 submissions. Volume 2 contains 17 papers from the in-use track which were accepted from 77 submissions. In addition, it presents 8 contributions to the evaluations and experiments track and 7 long papers and 8 short papers of the doctoral consortium.

Benchmarking of Control Strategies for Wastewater Treatment Plants Mar 03 2020 Wastewater treatment plants are large non-linear systems subject to large perturbations in wastewater flow rate, load and

composition. Nevertheless these plants have to be operated continuously, meeting stricter and stricter regulations. Many control strategies have been proposed in the literature for improved and more efficient operation of wastewater treatment plants. Unfortunately, their evaluation and comparison – either practical or based on simulation – is difficult. This is partly due to the variability of the influent, to the complexity of the biological and biochemical phenomena and to the large range of time constants (from a few minutes to several days). The lack of standard evaluation criteria is also a tremendous disadvantage. To really enhance the acceptance of innovative control strategies, such an evaluation needs to be based on a rigorous methodology including a simulation model, plant layout, controllers, sensors, performance criteria and test procedures, i.e. a complete benchmarking protocol. This book is a Scientific and Technical Report produced by the IWA Task Group on Benchmarking of Control Strategies for Wastewater Treatment Plants. The goal of the Task Group includes developing models and simulation tools that encompass the most typical unit processes within a wastewater treatment system (primary treatment, activated sludge, sludge treatment, etc.), as well as tools that will enable the evaluation of long-term control strategies and monitoring tasks (i.e. automatic detection of sensor and process faults). Work on these extensions has been carried out by the Task Group during the past five years, and the main results are summarized in Benchmarking of Control Strategies for Wastewater Treatment Plants. Besides a description of the final version of the already well-known Benchmark Simulation Model no. 1 (BSM1), the book includes the Benchmark Simulation Model no. 1 Long-Term (BSM1_LT) – with focus on benchmarking of process monitoring tasks – and the plant-wide Benchmark Simulation Model no. 2 (BSM2). Authors: Krist V. Gernaey, Technical University of Denmark, Lyngby, Denmark, Ulf Jeppsson, Lund University, Sweden, Peter A. Vanrolleghem, Université Laval, Quebec, Canada and John B. Copp, Primodal Inc., Hamilton, Ontario, Canada

Background Modeling and Foreground Detection for Video

Surveillance Feb 23 2022 Background modeling and foreground detection are important steps in video processing used to detect robustly moving objects in challenging environments. This requires effective methods for dealing with dynamic backgrounds and illumination changes as well as algorithms that must meet real-time and low memory requirements. Incorporating both established and new ideas, Background Modeling and Foreground Detection for Video Surveillance provides a complete overview of the concepts, algorithms, and applications related to background modeling and foreground detection. Leaders in the field address a wide range of challenges, including camera jitter and background subtraction. The book presents the top methods and algorithms for detecting moving objects in video surveillance. It covers statistical models, clustering models, neural networks, and fuzzy models. It also addresses sensors, hardware, and implementation issues and discusses the resources and datasets required for evaluating and comparing background subtraction algorithms. The datasets and codes used in the text, along with links to software demonstrations, are available on the book's website. A one-stop resource on up-to-date models, algorithms, implementations, and benchmarking techniques, this book helps researchers and industry developers understand how to apply background models and foreground detection methods to video surveillance and related areas, such as optical motion capture, multimedia applications, teleconferencing, video editing, and human-computer interfaces. It can also be used in graduate courses on computer vision, image processing, real-time architecture, machine learning, or data mining.

Personal Benchmark Jan 01 2020 In Personal Benchmark: Integrating Behavioral Finance and Investment Management, Chuck Widger and Dr. Daniel Crosby outline the ways in which a program of embedded behavioral finance, fueled by what matters most to you, can be your protection against irrational financial behavior. Along the way, you'll learn how to improve your investment experience, increase returns formerly sacrificed to misbehavior, and worry less about "The Economy" as you become increasingly focused on "My Economy." Welcome to a new way of investing, a new paradigm for conceptualizing wealth, and a system of turning emotion from your portfolio's worst enemy into its best friend! In this new model, risk is simply the likelihood that we will underperform our dreams. Irrationality is acting in ways that thwart our ability to reach those dreams. And the optimal portfolio is not the one that generates the highest return in abstraction, it is the one that helps us meet our goals without killing our nerves before we get there. This book gives advisors the tools needed to effectively communicate the

design and execution of the Personal Benchmark solution.

Transnational Gas Markets and Euro-Russian Energy Relations Jun 25 2019 This book analyses how transnational gas markets have evolved and impacted on EU-Russia energy relations. It examines how the political conflict surrounding Ukraine has accelerated a negative interdependence in the region, with energy interdependence increasingly used as an instrument of diplomacy.

Achieving Open Justice through Citizen Participation and Transparency Sep 20 2021 Open government initiatives have become a defining goal for public administrators around the world. However, progress is still necessary outside of the executive and legislative sectors. Achieving Open Justice through Citizen Participation and Transparency is a pivotal reference source for the latest scholarly research on the implementation of open government within the judiciary field, emphasizing the effectiveness and accountability achieved through these actions. Highlighting the application of open government concepts in a global context, this book is ideally designed for public officials, researchers, professionals, and practitioners interested in the improvement of governance and democracy.

Performance Characterization and Benchmarking. Traditional to Big Data Apr 03 2020 This book constitutes the refereed post-conference proceedings of the 6th TPC Technology Conference, TPCTC 2014, held in Hangzhou, China, in September 2014. It contains 12 selected peer-reviewed papers, a report from the TPC Public Relations Committee. Many buyers use TPC benchmark results as points of comparison when purchasing new computing systems. The information technology landscape is evolving at a rapid pace, challenging industry experts and researchers to develop innovative techniques for evaluation, measurement and characterization of complex systems. The TPC remains committed to developing new benchmark standards to keep pace and one vehicle for achieving this objective is the sponsorship of the Technology Conference on Performance Evaluation and Benchmarking (TPCTC). Over the last five years TPCTC has been held successfully in conjunction with VLDB.

Private Equity Oct 10 2020 During the past few decades, private equity (PE) has attracted considerable attention from investors, practitioners, and academicians. In fact, a substantial literature on PE has emerged. PE offers benefits for institutional and private wealth management clients including diversification and enhancement of risk-adjusted returns. However, the lack of transparency, regulatory restrictions, and liquidity concerns that exist for some PE options limit their attractiveness for some investors. Private Equity: Opportunities and Risks offers a synthesis of the theoretical and empirical literature on PE in both emerging and developed markets. The book examines PE and provides important insights about topics such as major types of PE (venture capital, leveraged, buyouts, mezzanine capital, and distressed debt investments), how PE works, performance and measurement, uses and structure, and trends. Readers can gain an in-depth understanding about PE from academics and practitioners from around the world. Private Equity: Opportunities and Risks provides a fresh look at the intriguing yet complex subject of PE. A group of renowned experts take readers through the core topics and issues of PE, and also examine the latest trends and cutting-edge developments in the field. Additionally, discussion of research on PE permeates the book. The coverage extends from discussing basic concepts and their application to increasingly complex and real-world situations. Thus, this volume spans the gamut from theoretical to practical, while offering a useful balance of detailed and user-friendly coverage. This fresh and intriguing examination of PE is essential reading for anyone hoping to gain a better understanding of PE, from seasoned professionals to those aspiring to enter the demanding world of finance.

Benchmark-Manipulation Feb 11 2021 Der LIBOR als "Universalwerkzeug" zur Flexibilisierung von Zinszahlungen beeinflusst Verträge mit einem ausstehenden Nominalwert von mehr als 300 Bio. US-Dollar weltweit. Die leichte Beeinflussbarkeit der Benchmark, schwere Interessenkonflikte und schwache Unternehmensstrukturen führten zu einem der größten Manipulationsskandale im Finanzsektor. Seit 1. Januar 2018 wird der wirtschaftlich hoch relevante, bisher aber nur einer Selbstregulierung unterworfenen Teil des Finanzsystems, erstmals im Rahmen einer europäischen Verordnung umfassend reguliert. Nach einer ökonomischen Analyse von Referenzwerten im ersten Teil der Arbeit und der Erarbeitung von Regulierungs- und Sanktionslücken im zweiten Teil, wird im dritten Teil untersucht, inwiefern die Marktmissbrauchs-Verordnung (EU) 596/2014 und die Benchmark-Verordnung (EU) 2016/1011 die bestehenden Lücken

schließt.

ECRM2012-Proceedings of the 11th European Conference on Research Methods Nov 10 2020 Proceedings of the 11th European Conference on Research Methods in Bolton, UK, on 28-29 June 2011

Invasive Species and Global Climate Change Jul 27 2019 This book examines what will happen to global invasive species, including plants, animals and pathogens with current and expected man-made climate change. The effects on distribution, success, spread and impact of invasive species are considered for a series of case studies from a number of countries. This book will be of great value to researchers, policymakers and industry in responding to changing management needs.

Proceedings of the 15th European Conference on eGovernment 2015 Jun 17 2021 Complete proceedings of the 15th European Conference on eGovernment Portsmouth UK Published by Academic Conferences and Publishing International Limited

Knowledge Engineering and Knowledge Management Oct 29 2019 This book constitutes the refereed proceedings of the 18th International Conference on Knowledge Engineering and Knowledge Management, EKAW 2012, held in Galway City, Ireland, in October 2012. The 44 revised full papers were carefully reviewed and selected from 107 submissions. The papers are organized in topical sections on knowledge extraction and enrichment, natural language processing, linked data,

ontology engineering and evaluation, social and cognitive aspects of knowledge representation, application of knowledge engineering, and demonstrations.

11th International Symposium on Process Systems Engineering - PSE2012 Apr 15 2021 While the PSE community continues its focus on understanding, synthesizing, modeling, designing, simulating, analyzing, diagnosing, operating, controlling, managing, and optimizing a host of chemical and related industries using the systems approach, the boundaries of PSE research have expanded considerably over the years. While early PSE research was largely concerned with individual units and plants, the current research spans wide ranges of scales in size (molecules to processing units to plants to global multinational enterprises to global supply chain networks; biological cells to ecological webs) and time (instantaneous molecular interactions to months of plant operation to years of strategic planning). The changes and challenges brought about by increasing globalization and the the common global issues of energy, sustainability, and environment provide the motivation for the theme of PSE2012: Process Systems Engineering and Decision Support for the Flat World. Each theme includes an invited chapter based on the plenary presentation by an eminent academic or industrial researcher Reports on the state-of-the-art advances in the various fields of process systems engineering Addresses common global problems and the research being done to solve them