

# Expert Oracle Rac 12c The Experts Voice By Hussain Syed Jaffar Farooq Tariq Shamsudeen Riyaj Yu 2013 Paperback

Eventually, you will unconditionally discover a extra experience and capability by spending more cash. yet when? do you say yes that you require to acquire those all needs taking into account having significantly cash? Why dont you try to acquire something basic in the beginning? Thats something that will guide you to understand even more a propos the globe, experience, some places, taking into account history, amusement, and a lot more?

It is your enormously own period to measure reviewing habit. in the course of guides you could enjoy now is **Expert Oracle Rac 12c The Experts Voice By Hussain Syed Jaffar Farooq Tariq Shamsudeen Riyaj Yu 2013 Paperback** below.

*Adaptive Multimedia Retrieval. Large-Scale Multimedia Retrieval and Evaluation* - Marcin Detyniecki 2013-03-15

This book constitutes the refereed post-proceedings of the 9th International Conference on Adaptive Multimedia Retrieval, AMR 2011, held in Barcelona, Spain, in July 2011. The 9 revised full papers and the invited contribution presented were carefully reviewed and selected from numerous submissions. The papers cover topics ranging from theoretical work to practical implementations and its evaluation, most of them dealing with audio or music media. They are organized in topical sections on evaluation and user studies, audio and music, image retrieval, and similarity and music.

Advanced Dynamic Modeling of Economic and Social Systems - Araceli N. Proto 2012-09-18

In this volume recent advances in the use of modern quantitative models for the analysis of various problems related to the dynamics of social and economic systems are presented. The majority chapters describe tools and techniques of broadly perceived computational intelligence, notably fuzzy logic,

evolutionary computation, neural networks and some non-standard probabilistic and statistical analyses. Due to the high complexity of the systems and problems considered, in many situations it is necessary to consider at the same time analytic, topological and statistical aspects and apply appropriate procedures and algorithms. This volume is a direct result of vivid discussions held during the Fifth International Workshop on Dynamics of Social and Economical Systems (DYSES) which was held at Benevento, Italy September 20-25, 2010, as well as a couple of post-workshop meetings and consultations.

**Advances in Mechanisms, Robotics and Design Education and Research** - Vijay Kumar 2013-04-17

This book contains papers on a wide range of topics in the area of kinematics, mechanisms, robotics, and design, addressing new research advances and innovations in design education. The content is divided into five main categories headed 'Historical Perspectives', 'Kinematics and Mechanisms', 'Robotic Systems', 'Legged Locomotion', and 'Design Engineering Education'. Contributions take the form of survey articles, historical perspectives,

commentaries on trends on education or research, original research contributions, and papers on design education. This volume celebrates the achievements of Professor Kenneth Waldron who has made innumerable and invaluable contributions to these fields in the last fifty years. His leadership and his pioneering work have influenced thousands of people in this discipline.

*3D-TV System with Depth-Image-Based Rendering* - Ce Zhu 2012-08-15

Riding on the success of 3D cinema blockbusters and advances in stereoscopic display technology, 3D video applications have gathered momentum in recent years. *3D-TV System with Depth-Image-Based Rendering: Architectures, Techniques and Challenges* surveys depth-image-based 3D-TV systems, which are expected to be put into applications in the near future. Depth-image-based rendering (DIBR) significantly enhances the 3D visual experience compared to stereoscopic systems currently in use. DIBR techniques make it possible to generate additional viewpoints using 3D warping techniques to adjust the perceived depth of stereoscopic videos and provide for auto-stereoscopic displays that do not require glasses for viewing the 3D image. The material includes a technical review and literature survey of components and complete systems, solutions for technical issues, and implementation of prototypes. The book is organized into four sections: System Overview, Content Generation, Data Compression and Transmission, and 3D Visualization and Quality Assessment. This book will benefit researchers, developers, engineers, and innovators, as well as advanced undergraduate and graduate students working in relevant areas.

**3D Biometrics** - David Zhang 2013-05-31

Automatic personal authentication using biometric information is becoming more essential in applications of public security, access control, forensics, banking, etc. Many kinds of biometric authentication techniques have been developed based on different biometric characteristics. However, most of the

physical biometric recognition techniques are based on two dimensional (2D) images, despite the fact that human characteristics are three dimensional (3D) surfaces. Recently, 3D techniques have been applied to biometric applications such as 3D face, 3D palmprint, 3D fingerprint, and 3D ear recognition. This book introduces four typical 3D imaging methods, and presents some case studies in the field of 3D biometrics. This book also includes many efficient 3D feature extraction, matching, and fusion algorithms. These 3D imaging methods and their applications are given as follows: - Single view imaging with line structured-light: 3D ear identification - Single view imaging with multi-line structured-light: 3D palmprint authentication - Single view imaging using only 3D camera: 3D hand verification - Multi-view imaging: 3D fingerprint recognition 3D Biometrics: Systems and Applications is a comprehensive introduction to both theoretical issues and practical implementation in 3D biometric authentication. It will serve as a textbook or as a useful reference for graduate students and researchers in the fields of computer science, electrical engineering, systems science, and information technology. Researchers and practitioners in industry and R&D laboratories working on security system design, biometrics, immigration, law enforcement, control, and pattern recognition will also find much of interest in this book.

**Achieving Service Excellence** - C. M. Chang 2014

As the service sectors play an increasingly important role in all economies worldwide, service executives and professionals are well advised to recognize two main pathways to achieving sustainable success in services. The first path requires enhancing the strategic differentiation and operational excellence of their service enterprises; the second requires that these executives and their employees develop the knowledge and skills needed to achieve such success. Specifically, this book discusses actionable methodologies needed to generate creative ideas, including deciding on which ones to pursue; on how to justify

projects financially; on how to manage the development projects for innovative services; and on how to reach out to customers and offer them superior service support. The book will illustrate how operational excellence can be achieved by emphasizing the importance of standardizing work processes. It will demonstrate how quality can be enhanced and time-to-market can be reduced through a variety of methods including the application of tools (such as Lean Six Sigma, Value stream mapping, quality assurance, FMEA, web-based enablers and SOA-based emerging productivity tools), the incorporation of emerging technologies into the workflow and, with reference to the Profit Chain Model, the retraining of staff, with a goal of increasing their productivity, by adopting and constantly improving upon known best practices. This book summarizes the key skills and knowledge in a Three Decker framework comprised of engineering management, business management and service leadership, cumulating in an actionable Take Charge model. After having studied this book, service professionals and executives will know how to apply the actionable methodologies outlined herein to maximize their contributions in achieving sustainable success for their service employers.

#### **50 Tips and Tricks for MongoDB Developers** - Kristina Chodorow 2011-04-19

Getting started with MongoDB is easy, but once you begin building applications with it, you'll face some complex issues. What are the tradeoffs between normalized and denormalized data? How do you handle replica set failure and failover? This collection of MongoDB tips, tricks, and hacks helps you resolve issues with everything from application design and implementation to data safety and monitoring. You get specific guidance in five topic areas directly from engineers at 10gen, the company that develops and supports this open source database: Application Design Tips: What to keep in mind when designing your schema Implementation Tips: Programming applications against MongoDB Optimization Tips: Speeding up your

applications Data Safety Tips: Using replication and journaling to keep data safe—without sacrificing too much performance Administration Tips: How to configure MongoDB and keep it running smoothly

#### *2D Graphics Programming for Games* - John Pile Jr. 2016-04-19

The success of Angry Birds, Peggle, and Fruit Ninja has proven that fun and immersive game experiences can be created in two dimensions. Furthermore, 2D graphics enable developers to quickly prototype ideas and mechanics using fewer resources than 3D. 2D Graphics Programming for Games provides an in-depth single source on creating 2D graphics that c

#### Advanced Mechanics of Piezoelectricity - Qinghua Qin 2012-11-29

"Advanced Mechanics of Piezoelectricity" presents a comprehensive treatment of piezoelectric materials using linear electroelastic theory, symplectic models, and Hamiltonian systems. It summarizes the current state of practice and presents the most recent research findings in piezoelectricity. It is intended for researchers and graduate students in the fields of applied mechanics, material science and engineering, computational engineering, and aerospace engineering. Dr. Qinghua Qin is a professor at the School of Engineering, Australian National University, Australia.

#### 4th International Conference on Biomedical Engineering in Vietnam - Vo Van Toi 2012-09-21

This volume presents the proceedings of the Fourth International Conference on the Development of Biomedical Engineering in Vietnam which was held in Ho Chi Minh City as a Mega-conference. It is kicked off by the Regenerative Medicine Conference with the theme "BUILDING A FACE" USING A REGENERATIVE MEDICINE APPROACH", endorsed mainly by the Tissue Engineering and Regenerative Medicine International Society (TERMIS). It is followed by the Computational Medicine Conference, endorsed mainly by the Computational Surgery International Network (COSINE) and the Computational Molecular Medicine of German National

Funding Agency; and the General Biomedical Engineering Conference, endorsed mainly by the International Federation for Medical and Biological Engineering (IFMBE). It featured the contributions of 435 scientists from 30 countries, including: Australia, Austria, Belgium, Canada, China, Finland, France, Germany, Hungary, India, Iran, Italy, Japan, Jordan, Korea, Malaysia, Netherlands, Pakistan, Poland, Russian Federation, Singapore, Spain, Switzerland, Taiwan, Turkey, Ukraine, United Kingdom, United States, Uruguay and Viet Nam.

**Adaptable Embedded Systems** - Antonio Carlos Schneider Beck 2012-11-27

As embedded systems become more complex, designers face a number of challenges at different levels: they need to boost performance, while keeping energy consumption as low as possible, they need to reuse existent software code, and at the same time they need to take advantage of the extra logic available in the chip, represented by multiple processors working together. This book describes several strategies to achieve such different and interrelated goals, by the use of adaptability. Coverage includes reconfigurable systems, dynamic optimization techniques such as binary translation and trace reuse, new memory architectures including homogeneous and heterogeneous multiprocessor systems, communication issues and NOCs, fault tolerance against fabrication defects and soft errors, and finally, how one can combine several of these techniques together to achieve higher levels of performance and adaptability. The discussion also includes how to employ specialized software to improve this new adaptive system, and how this new kind of software must be designed and programmed.

**A Practical Guide to Educating for Responsibility in Management and Business** - Ross McDonald 2013-08-10

Educating for Responsibility is a new way of engaging young people with the challenge of changing their world for the better. Designed for application in any educational context dealing with ethics, responsibility or human

development, it bases classroom practice on facilitating an expanding ability to think and act in more fully responsible ways. In contrast to the predominant model of teaching which is almost exclusively an intellectual education about responsibility, educating for responsibility integrates emotion, insight, observation and action in a whole person learning much more fitting with the true dynamics of exercising this resilient capacity. In this short volume, the need for rapid change in how we educate for responsibility is explained and a template offered for a creative way of teaching that has proven to be extremely effective in practice. Written particularly for those offering courses or training in social responsibility, sustainability or business ethics it offers a new way of thinking about how we might better serve the interests of a generation of young people entering a rapidly changing, and by all accounts, rapidly destabilizing world. In these pages, an internationally recognized teacher, shares the results of thirty years of educational experimentation aimed at helping students become part of building a better world. In educating for responsibility the classroom becomes a place for collaboration, integration and reflection - and a laboratory for actualizing our individual and collective potentials for truly responsible being in the world.

*Analysis and Synthesis of Singular Systems with Time-Delays* - Zheng-Guang Wu 2013-04-10

Singular time-delay systems are very suitable to describe a lot of practical systems such as manufacturing systems, networked control systems, power systems and electrical circuits. Thus, the past two decades have witnessed a significant progress on the theory of singular time-delay systems, and many fundamental and important topics have been successfully investigated including stability analysis, stabilization, guaranteed cost control, filtering, observer design, sliding mode control and so on. The main objective of this book is to present the latest developments and references in the analysis and synthesis of singular time-delay systems with or without Markov jumping

parameters in a unified framework. The materials adopted in this book are mainly based on research results of the authors. This book will be of interest to academic researchers working in singular systems, time-delay systems and Markov jump systems and to graduate students interested in systems and control theory.

**A General Framework for Reasoning On Inconsistency** - Maria Vanina Martinez 2013-03-20

This SpringerBrief proposes a general framework for reasoning about inconsistency in a wide variety of logics, including inconsistency resolution methods that have not yet been studied. The proposed framework allows users to specify preferences on how to resolve inconsistency when there are multiple ways to do so. This empowers users to resolve inconsistency in data leveraging both their detailed knowledge of the data as well as their application needs. The brief shows that the framework is well-suited to handle inconsistency in several logics, and provides algorithms to compute preferred options. Finally, the brief shows that the framework not only captures several existing works, but also supports reasoning about inconsistency in several logics for which no such methods exist today.

A Survey of Core Research in Information Systems - Anna Sidorova 2013-03-29

The Information Systems (IS) discipline was founded on the intersection of computer science and organizational sciences, and produced a rich body of research on topics ranging from database design and the strategic role of IT to website design and online consumer behavior. In this book, the authors provide an introduction to the discipline, its development, and the structure of IS research, at a level that is appropriate for emerging and current IS scholars. Guided by a bibliometric study of all research articles published in eight premier IS research journals over a 20-year period, the authors identify and present the top 51 IS research topics. For each topic, they provide a brief

overview, time trends, and references to related influential research works. The topics are organized into an IS research framework that includes research on the IT artifact and IS development, IT and organizations, IT and individuals, IT and markets, and IT for teamwork and collaboration.

**Oracle Exadata Expert's Handbook** - Tariq Farooq 2015-06-12

The Practical, Authoritative, 360-Degree Technical Guide to Oracle Exadata: From Setup to Administration, Optimization, Tuning, and Troubleshooting  
The blazingly fast Oracle Exadata Database Machine is being embraced by thousands of large-scale users worldwide: by governments, the military, enterprise organizations, cloud service providers, and anyone who needs extreme performance. Now, Oracle Exadata Expert's Handbook provides authoritative guidance to running Oracle Exadata with maximum reliability, effectiveness, performance, and efficiency. Six renowned Oracle technology experts have brought together core technical information, experience, best practices, and insider tips in a concise reference. Covering both 11g and 12c versions of Oracle Exadata software, they deliver hands-on coverage of best practices, setup, migration, monitoring, administration, performance tuning, and troubleshooting. Whether you're an Oracle Exadata DBA, DMA, architect, or manager, you need these insights. Get a 360-degree overview of the Oracle Exadata Database Machine Efficiently deploy RAC within the Oracle Exadata ecosystem Fully leverage Storage Cell's extraordinary performance, via Offloading, Smart Scans, and Hybrid Columnar Compression Manage Exadata with OEM 12c: perform setup, configuration, asset/target discovery, and day-to-day administration Tune Oracle Exadata for even better performance Perform Exadata Backup/Recovery/DR with RMAN and Data Guard Migrate to Oracle Exadata from other platforms Use Oracle Exadata with the ZFS Storage Appliance Consolidate within the Exadata Database Cloud

Advanced Microsystems for Automotive Applications 2013 - Jan Fischer-Wolfarth 2013-06-04

The road vehicle of the future will embrace innovations from three major automotive technology fields: driver assistance systems, vehicle networking and alternative propulsion. Smart systems such as adaptive ICT components and MEMS devices, novel network architectures, integrated sensor systems, intelligent interfaces and functional materials form the basis of these features and permit their successful and synergetic integration. They increasingly appear to be the key enabling technologies for safe and green road mobility. For more than fifteen years the International Forum on Advanced Microsystems for Automotive Applications (AMAA) has been successful in detecting novel trends and in discussing the technological implications from early on. The topic of the AMAA 2013 will be "Smart Systems for Safe and Green Vehicles". This book contains peer-reviewed papers written by leading engineers and researchers which all address the ongoing research and novel developments in the field. [www.amaa.de](http://www.amaa.de)

**Oracle Data Guard 11gR2 Administration Beginner's Guide** - Emre Baransel  
2013-01-01

Using real-world examples and hands-on tasks, Oracle Data Guard 11gR2 Administration Beginner's Guide will give you a solid foundation in Oracle Data Guard. It has been designed to teach you everything you need to know to successfully create and operate Data Guard environments with maximum flexibility, compatibility, and effectiveness. If you are an Oracle database administrator who wants to configure and administer Data Guard configurations, then "Oracle Data Guard 11gR2 Administration Beginner's Guide" is for you. With a basic understanding of Oracle database administration, you'll be able to easily follow the book.

**A Biologically Inspired CMOS Image Sensor** - Mukul Sarkar 2012-12-14  
Biological systems are a source of inspiration in the development of small autonomous sensor nodes. The two major types of optical vision systems found in nature are the single aperture human eye and the compound eye of insects.

The latter are among the most compact and smallest vision sensors. The eye is a compound of individual lenses with their own photoreceptor arrays. The visual system of insects allows them to fly with a limited intelligence and brain processing power. A CMOS image sensor replicating the perception of vision in insects is discussed and designed in this book for industrial (machine vision) and medical applications. The CMOS metal layer is used to create an embedded micro-polarizer able to sense polarization information. This polarization information is shown to be useful in applications like real time material classification and autonomous agent navigation. Further the sensor is equipped with in pixel analog and digital memories which allow variation of the dynamic range and in-pixel binarization in real time. The binary output of the pixel tries to replicate the flickering effect of the insect's eye to detect smallest possible motion based on the change in state. An inbuilt counter counts the changes in states for each row to estimate the direction of the motion. The chip consists of an array of 128x128 pixels, it occupies an area of 5 x 4 mm<sup>2</sup> and it has been designed and fabricated in an 180nm CMOS CIS process from UMC.

**500 Crochet Blocks** - Hannah Elgie 2013

With a wide variety of styles ranging from the traditional to completely new designs, '500 Crochet Blocks' is a remarkable reference for any crocheter.

*Oracle Database Problem Solving and Troubleshooting Handbook* - Tariq Farooq 2016-04-04

An Expert Guide for Solving Complex Oracle Database Problems Oracle Database Problem Solving and Troubleshooting Handbook delivers comprehensive, practical, and up-to-date advice for running the Oracle Database reliably and efficiently in complex production environments. Seven leading Oracle experts have brought together an unmatched collection of proven solutions, hands-on examples, and step-by-step tips for Oracle Database 12c, 11g, and other recent versions of Oracle Database. Every solution is

crafted to help experienced Oracle DBAs and DMAs understand and fix serious problems as rapidly as possible. The authors cover LOB segments, UNDO tablespaces, high GC buffer wait events, poor query response times, latch contention, indexing, XA distributed transactions, RMAN backup/recovery, and much more. They also offer in-depth coverage of a wide range of topics, including DDL optimization, VLDB tuning, database forensics, adaptive cursor sharing, data pumps, data migration, SSDs, indexes, and how to go about fixing Oracle RAC problems. Learn how to Choose the quickest path to solve high-impact problems Use modern best practices to make your day more efficient and predictable Construct your “Call 9-1-1 plan” for future database emergencies Proactively perform maintenance to improve your environment’s stability Save time with industry-standard tools and scripts Register your product at [informit.com/register](http://informit.com/register) for convenient access to downloads, updates, and corrections as they become available.

A Primer on Microeconomics - Thomas M. Beveridge 2013-02-01

Economics, far from being the “dismal science,” offers us valuable lessons that can be applied to our everyday experiences. At its heart, economics is the science of choice, and a study of economic principles allows us to achieve a more informed understanding of how we make our choices, regardless of whether these choices occur in our everyday life or in our work environment. This book brings a real commonsense approach to basic microeconomics. It delivers clear statements of essential economic principles, supported by easy-to-understand examples, and uncluttered by extraneous material; the goal being to provide a concise, readable primer that covers the substance of microeconomic theory. It also looks at the efficient operation of competitive markets and what may cause those markets to fail; the benefits from trade; profit maximization; the consequences of choice; and the implications of imperfect competition.

A Beginner's Guide to Economic Research and Presentation - Jeffrey A.

Edwards 2013-10-23

Conducting good research is critical to any student today. Writing good research papers is equally important—yet many students have not been given the proper tools to convey cogently the results of their research. This book is for you or anyone who needs a step-by-step approach to the writing of a research paper in the field of economics. Most books concerned with research writing are broadly applied. They approach the subject generally, which is to say that they don't lay out a particular path to conducting research. Yet a specific path offering a specific focus to writing research is exactly what is needed for most students. This book provides that focus. For example, this book doesn't cover a dozen different search engines to perform a literature review; it specifies only EconLit. Nor are you left to decide what scholarly publications are important ones to review; the book emphasizes only the use of journal impact factors found through RePEc to rank journal articles and their importance to the literature at large. Whereas other books provide an overview of how to present research, with only cursory suggestions and tips, inside this book, the authors provide precise details on all aspects of research writing, including how many PowerPoint slides one should prepare for presentations and how much content should be on each slide. In short, unlike other books, this book provides a specific approach to conducting research, writing a paper, and presenting its material.

**Access 2003 Bible** - Cary N. Prague 2003-10-21

The most comprehensive reference on this popular database management tool, fully updated with the new features of Access "X" including increased use of XML and Web services Explores the new, tighter integration with SharePoint and BizTalk in Office "X" that enables greater flexibility for gathering and manipulating data Written by an international bestselling author team with several books to their credit, including previous editions of Access Bible Gets Access beginners started with hundreds of examples, tips,

and techniques for getting the most from Access Offers advanced programming information for serious professionals CD-ROM includes all templates and worksheets used in the book, as well as sample chapters from all Wiley Office "X" related Bibles and useful third party software, including John Walkenbach's Power Utility Pak

3D Surface Reconstruction - Francesco Bellocchio 2012-10-28

3D Surface Reconstruction: Multi-Scale Hierarchical Approaches presents methods to model 3D objects in an incremental way so as to capture more finer details at each step. The configuration of the model parameters, the rationale and solutions are described and discussed in detail so the reader has a strong understanding of the methodology. Modeling starts from data captured by 3D digitizers and makes the process even more clear and engaging.

Innovative approaches, based on two popular machine learning paradigms, namely Radial Basis Functions and the Support Vector Machines, are also introduced. These paradigms are innovatively extended to a multi-scale incremental structure, based on a hierarchical scheme. The resulting approaches allow readers to achieve high accuracy with limited computational complexity, and makes the approaches appropriate for online, real-time operation. Applications can be found in any domain in which regression is required. 3D Surface Reconstruction: Multi-Scale Hierarchical Approaches is designed as a secondary text book or reference for advanced-level students and researchers in computer science. This book also targets practitioners working in computer vision or machine learning related fields.

Advanced Techniques in Web Intelligence-2 - Juan D. Velásquez 2012-09-29

This research volume focuses on analyzing the web user browsing behaviour and preferences in traditional web-based environments, social networks and web 2.0 applications, by using advanced techniques in data acquisition, data processing, pattern extraction and cognitive science for modeling the human actions. The book is directed to graduate students, researchers/scientists and

engineers interested in updating their knowledge with the recent trends in web user analysis, for developing the next generation of web-based systems and applications.

Building Database Clouds in Oracle 12c - Tariq Farooq 2016-06-06

An Expert Guide to Building Oracle Database Cloud Infrastructures This is the first complete, practical guide to architecting, designing, and building Database Clouds with Oracle 12c. Written by a veteran author team of Oracle gurus and ACE Directors, Building Database Clouds in Oracle 12c combines a real-world, hands-on operations guide with an expert handbook on Oracle Database-As-A-Service (DBaaS) and Oracle Real Application Clusters (RAC). Writing for Oracle DBAs, DMAs, cloud administrators, and other Oracle professionals, the authors present authoritative technical information for database cloud build-out, management, monitoring, and day-to-day administration. The authors first explain the key concepts underlying DBaaS, describe cloud computing implementations related to it, and outline the business and technology benefits. Next, they show how the Oracle DBA's approach changes in cloud environments. Then, building on this foundation, they offer insider advice on all key facets of database cloud deployment and operation with Oracle Enterprise Manager 12c and Oracle RAC 12c. This guide helps you Make the business case for cloud computing with DBaaS Organize DBA responsibilities in cloud environments Plan, design, and deploy Database Clouds with Oracle's latest components Consolidate schema and databases with Oracle Enterprise Manager 12c Use best practices for management, administration metering, and chargeback Clone databases quickly and reliably Set up grid infrastructure on Oracle VM for x86 or Oracle VM VirtualBox

A Multimodal End-2-End Approach to Accessible Computing - Pradipta Biswas 2015-07-16

This book illustrates how Interactive Systems can help elderly and disabled populations engage with the world around them by finding methods of



overcoming the difficulties these communities face when using such systems by presenting the latest in state-of-the-art technology and providing a vision for accessibility for the near future. The challenges faced by accessibility practitioners are discussed and the different phases of delivering accessible products and services are explored. A collection of eminent researchers from around the world cover topics on developing and standardizing user models for inclusive design, adaptable multimodal system development for digital TV and ubiquitous devices, presenting research on intelligent voice recognition, adaptable pointing, browsing and navigation, and affect and gesture recognition. The research not only focuses on how these can be hugely beneficial to primary users, but often finding useful applications for their able-bodied counterparts. For this new edition, new chapters have been added focusing on the latest developments in games for the visually impaired, inclusive interfaces for the agricultural industry in India and technologies to improve accessibility in broadcasting in Japan. A Multimodal End-2-End Approach to Accessible Computing will be an invaluable resource for both researchers and practitioners alike.

*3G, 4G and Beyond* - Martin Sauter 2013-01-04

Extensively updated evaluation of current and future network technologies, applications and devices This book follows on from its successful predecessor with an introduction to next generation network technologies, mobile devices, voice and multimedia services and the mobile web 2.0. Giving a sound technical introduction to 3GPP wireless systems, this book explains the decisions taken during standardization of the most popular wireless network standards today, LTE, LTE-Advanced and HSPA+. It discusses how these elements strongly influence each other and how network capabilities, available bandwidth, mobile device capabilities and new application concepts will shape the way we communicate in the future. This Second Edition presents a comprehensive and broad-reaching examination of a fast-moving

technology which will be a welcome update for researchers and professionals alike. Key features: Fully updated and expanded to include new sections including VoLTE, the evolution to 4G, mobile Internet access, LTE-Advanced, Wi-Fi security and backhaul for wireless networks Describes the successful commercialization of Web 2.0 services such as Facebook, and the emergence of app stores, tablets and smartphones Examines the evolution of mobile devices and operating systems, including ARM and x86 architecture and their application to voice-optimized and multimedia devices

**A Strategic Fit Perspective on Family Firm Performance** - Corinna M. Lindow 2012-09-11

Corinna M. Lindow substantiates, develops, and tests a strategic fit perspective on family firm performance in order to contribute to explaining previous inconclusive findings. In particular, she aims at investigating whether strategic fit determines family firm performance and what role family influence plays. Based on a sample of German family firms, the author indicates that, against expectations, family firms' performance is not driven by strategic fit but through the effective use of family-specific factors such as family business governance and family culture. Further, the results suggest that family influence has important implications for strategy, organizational structure, and the achievement of strategic fit.

Activities of Transport Telematics - Jerzy Mikulski 2013-10-01

This book constitutes the proceedings of the 13th International Conference on Transport Systems Telematics, TST 2013, held in Katowice-Ustron, Poland, in October 2013. The 58 papers included in this volume were carefully reviewed and selected for inclusion in this book. They provide an overview of solutions being developed in the field of intelligent transportation systems, and include theoretical and case studies in the countries of conference participants.

**Advanced Analysis of Nontraditional Machining** - Hong Hocheng 2012-12-12

Nontraditional machining utilizes thermal, chemical, electrical, mechanical and optimal sources of energy to bind, form and cut materials. Advanced Analysis of Nontraditional Machining explains in-depth how each of these advanced machining processes work, their machining system components, and process variables and industrial applications, thereby offering advanced knowledge and scientific insight. This book also documents the latest and frequently cited research results of a few key nonconventional machining processes for the most concerned topics in industrial applications, such as laser machining, electrical discharge machining, electropolishing of die and mold, and wafer processing for integrated circuit manufacturing.

*Advances in Applied Self-Organizing Systems* - Mikhail Prokopenko  
2014-07-08

How do we design a self-organizing system? Is it possible to validate and control non-deterministic dynamics? What is the right balance between the emergent patterns that bring robustness, adaptability and scalability, and the traditional need for verification and validation of the outcomes? The last several decades have seen much progress from original ideas of “emergent functionality” and “design for emergence”, to sophisticated mathematical formalisms of “guided self-organization”. And yet the main challenge remains, attracting the best scientific and engineering expertise to this elusive problem. This book presents state-of-the-practice of successfully engineered self-organizing systems, and examines ways to balance design and self-organization in the context of applications. As demonstrated in this second edition of *Advances in Applied Self-Organizing Systems*, finding this balance helps to deal with practical challenges as diverse as navigation of microscopic robots within blood vessels, self-monitoring aerospace vehicles, collective and modular robotics adapted for autonomous reconnaissance and surveillance, self-managing grids and multiprocessor scheduling, data visualization and self-modifying digital and analog circuitry, intrusion detection in computer

networks, reconstruction of hydro-physical fields, traffic management, immunocomputing and nature-inspired computation. Many algorithms proposed and discussed in this volume are biologically inspired, and the reader will also gain an insight into cellular automata, genetic algorithms, artificial immune systems, snake-like locomotion, ant foraging, birds flocking, neuromorphic circuits, amongst others. Demonstrating the practical relevance and applicability of self-organization, *Advances in Applied Self-Organizing Systems* will be an invaluable tool for advanced students and researchers in a wide range of fields.

7th International Conference on Practical Applications of Computational Biology & Bioinformatics - Mohd Saberi Mohamad 2013-04-19

The growth in the Bioinformatics and Computational Biology fields over the last few years has been remarkable and the trend is to increase its pace. In fact, the need for computational techniques that can efficiently handle the huge amounts of data produced by the new experimental techniques in Biology is still increasing driven by new advances in Next Generation Sequencing, several types of the so called omics data and image acquisition, just to name a few. The analysis of the datasets that produces and its integration call for new algorithms and approaches from fields such as Databases, Statistics, Data Mining, Machine Learning, Optimization, Computer Science and Artificial Intelligence. Within this scenario of increasing data availability, Systems Biology has also been emerging as an alternative to the reductionist view that dominated biological research in the last decades. Indeed, Biology is more and more a science of information requiring tools from the computational sciences. In the last few years, we have seen the surge of a new generation of interdisciplinary scientists that have a strong background in the biological and computational sciences. In this context, the interaction of researchers from different scientific fields is, more than ever, of foremost importance boosting the research efforts in the field and contributing to the education of a new

generation of Bioinformatics scientists. PACBB'13 hopes to contribute to this effort promoting this fruitful interaction. PACBB'13 technical program included 19 papers from a submission pool of 32 papers spanning many different sub-fields in Bioinformatics and Computational Biology. Therefore, the conference will certainly have promoted the interaction of scientists from diverse research groups and with a distinct background (computer scientists, mathematicians, biologists). The scientific content will certainly be challenging and will promote the improvement of the work that is being developed by each of the participants.

Ambient Intelligence - Software and Applications - Ad van Berlo 2013-04-22

Ambient Intelligence (AmI) is a recent paradigm emerging from Artificial Intelligence (AI), where computers are used as proactive tools assisting people with their day-to-day activities, making everyone's life more comfortable. Another main concern of AmI originates from the human computer interaction domain and focuses on offering ways to interact with systems in a more natural way by means user friendly interfaces. This field is evolving quickly as can be witnessed by the emerging natural language and gesture based types of interaction. The inclusion of computational power and communication technologies in everyday objects is growing and their embedding into our environments should be as invisible as possible. In order for AmI to be successful, human interaction with computing power and embedded systems in the surroundings should be smooth and happen without people actually noticing it. The only awareness people should have arises from AmI: more safety, comfort and wellbeing, emerging in a natural and inherent way. ISAmI is the International Symposium on Ambient Intelligence and aiming to bring together researchers from various disciplines that constitute the scientific field of Ambient Intelligence to present and discuss the latest results, new ideas, projects and lessons learned, namely in terms of software and applications, and aims to bring together researchers

from various disciplines that are interested in all aspects of this area.

**Advanced Technologies for Intelligent Systems of National Border Security** - Aleksander Nawrat 2012-08-14

One of the world's leading problems in the field of national security is protection of borders and borderlands. This book addresses multiple issues on advanced innovative methods of multi-level control of both ground (UGVs) and aerial drones (UAVs). Those objects combined with innovative algorithms become autonomous objects capable of patrolling chosen borderland areas by themselves and automatically inform the operator of the system about potential place of detection of a specific incident. This is achieved by using sophisticated methods of generation of non-collision trajectory for those types of objects and enabling automatic integration of both ground and aerial unmanned vehicles. The topics included in this book also cover presentation of complete information and communication technology (ICT) systems capable of control, observation and detection of various types of incidents and threats. This book is a valuable source of information for constructors and developers of such solutions for uniformed services. Scientists and researchers involved in computer vision, image processing, data fusion, control algorithms or IC can find many valuable suggestions and solutions. Multiple challenges for such systems are also presented.

7th International Conference on Knowledge Management in Organizations: Service and Cloud Computing - Lorna Uden 2012-07-18

The seventh International Conference on Knowledge Management in Organizations (KMO) brings together researchers and developers from industry and the academic world to report on the latest scientific and technical advances on knowledge management in organisations. KMO 2012 provides an international forum for authors to present and discuss research focused on the role of knowledge management for innovative services in industries, to shed light on recent advances in cloud computing for KM as well as to identify

future directions for researching the role of knowledge management in service innovation and how cloud computing can be used to address many of the issues currently facing KM in academia and industrial sectors. The conference took place at Salamanca in Spain on the 11th-13th July in 2012.

*3D Video Coding for Embedded Devices* - Bruno Zatt 2014-07-08

This book shows readers how to develop energy-efficient algorithms and hardware architectures to enable high-definition 3D video coding on resource-constrained embedded devices. Users of the Multiview Video Coding (MVC) standard face the challenge of exploiting its 3D video-specific coding tools for increasing compression efficiency at the cost of increasing computational complexity and, consequently, the energy consumption. This book enables readers to reduce the multiview video coding energy consumption through jointly considering the algorithmic and architectural levels. Coverage includes an introduction to 3D videos and an extensive discussion of the current state-of-the-art of 3D video coding, as well as energy-efficient algorithms for 3D video coding and energy-efficient hardware architecture for 3D video coding.

*Expert Oracle RAC 12c* - Riyaj Shamsudeen 2013-08-13

Expert Oracle RAC 12c is a hands-on book helping you understand and implement Oracle Real Application Clusters (RAC), and to reduce the total-cost-of-ownership (TCO) of a RAC database. As a seasoned professional, you are probably aware of the importance of understanding the technical details behind the RAC stack. This book provides deep understanding of RAC concepts and implementation details that you can apply toward your day-to-day operational practices. You'll be guided in troubleshooting and avoiding trouble in your installation. Successful RAC operation hinges upon a fast-performing network interconnect, and this book dedicates a chapter solely to that very important and easily overlooked topic. All four authors are experienced RAC engineers with a wealth of hard-won experience encountering and surmounting the challenges of running a RAC

environment that delivers on its promise. In Expert Oracle RAC 12c they provide you a framework in which to avoid repeating their hard-won lessons. Their goal is for you to manage your own RAC environment with ease and expertise. Provides a deep conceptual understanding of RAC Provides best practices to implement RAC properly and match application workload Enables readers to troubleshoot RAC with ease What you'll learn Know when to apply RAC, and when not to Design applications to take advantage of RAC Troubleshoot and solve clusterware problems Manage database backup and recovery in RAC Stay on top of locking issues and deadlock detection Harness the performance from parallel processing in RAC Support your RAC environment with a healthy network interconnect Who this book is for Expert Oracle RAC 12c is for experienced Oracle Database Administrators (DBAs) who are ready to take the next step in their career by expanding their skill set to include building and managing Oracle Real Application Clusters (RAC). DBAs and architects who are in the process of implementing RAC can immensely benefit from this book. It's an excellent choice for DBAs to learn RAC conceptually, understand best practices, and become experts in troubleshooting RAC problems. Table of Contents Overview of Oracle RAC Clusterware Management and Troubleshooting RAC Operational Practices RAC New Features Storage and ASM Practices Application Design Issues Managing and Optimizing a Complex RAC Environment Backup and Recovery in RAC Network Practices in RAC RAC Database Optimization Locks and Deadlocks Parallel Query in RAC Clusterware and Database Upgrades Oracle RAC One Node

*Adaptive and Natural Computing Algorithms* - Marco Tomassini 2013-03-20

The book constitutes the refereed proceedings of the 11th International Conference on Adaptive and Natural Computing Algorithms, ICANNGA 2013, held in Lausanne, Switzerland, in April 2013. The 51 revised full papers presented were carefully reviewed and selected from a total of 91

submissions. The papers are organized in topical sections on neural networks, evolutionary computation, soft computing, bioinformatics and computational biology, advanced computing, and applications.