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Petros Zerfos, Rebecca Montanari, Thomas Phan

Real-Time Analytics Byron Ellis, 2014-06-23 Construct a robust end-to-end solution for analyzing and visualizing streaming data Real-time analytics is the hottest topic in data analytics today. In *Real-Time Analytics: Techniques to Analyze and Visualize Streaming Data*, expert Byron Ellis teaches data analysts technologies to build an effective real-time analytics platform. This platform can then be used to make sense of the constantly changing data that is beginning to outpace traditional batch-based analysis platforms. The author is among a very few leading experts in the field. He has a prestigious background in research, development, analytics, real-time visualization, and Big Data streaming and is uniquely qualified to help you explore this revolutionary field. Moving from a description of the overall analytic architecture of real-time analytics to using specific tools to obtain targeted results, *Real-Time Analytics* leverages open source and modern commercial tools to construct robust, efficient systems that can provide real-time analysis in a cost-effective manner. The book includes: A deep discussion of streaming data systems and architectures Instructions for analyzing, storing, and delivering streaming data Tips on aggregating data and working with sets Information on data warehousing options and techniques *Real-Time Analytics* includes in-depth case studies for website analytics, Big Data, visualizing streaming and mobile data, and mining and visualizing operational data flows. The book's recipe layout lets readers quickly learn and implement different techniques. All of the code examples presented in the book, along with their related data sets, are available on the companion website.

M is for Mates Australian War Memorial Staff, 2009 Animals in Wartime from Ajax to Zep. Without the service of animals many more Australians would have lost their lives during wartime. Find out more in this education book, filled with photographs and designed for primary students. Produced by the Department of Veterans Affairs. Large format, illustrated, 58 pages.

--and the Truth Shall Set You Free David Icke, 1996 David Icke exposes what he says is the real story behind global events which shape the future of human existence.

Electronics For Dummies Gordon McComb, Earl Boysen, 2005-02-22 Want to hook up your home theater system? Want to fix it so your garage band rocks the neighborhood? Want to solder the faulty wire on your old phonograph so you can play those 60s albums you've kept all this time? Whether you're a do-it-yourselfer, hobbyist, or student, this book will turn you on to real-world electronics. It quickly covers the essentials, and then focuses on the how-to instead of theory. It covers: Fundamental concepts such as circuits, schematics, voltage, safety, and more Tools of the trade, including multimeters, oscilloscopes, logic probes, and more Common electronic components (e.g. resistors, capacitors, transistors) Making circuits using breadboards and printed circuit boards Microcontrollers (implementation and programming) Author Gordon McComb has more than a million copies of his books in print, including his bestselling *Robot Builder's Bonanza* and *VCRs and Camcorders For Dummies*. He really connects with readers! With lots of photos and step-by-step explanations, this book will have you connecting electronic components in no time! In fact, it includes fun ideas for great projects you can build in 30 minutes or less. You'll be amazed! Then you can tackle cool robot projects that will amaze your friends! (The book gives you lots to choose from.) Students will find this a great reference and supplement to the typical dry, dull textbook. So whether you just want to bone up on electronics or want to get things hooked up, souped up, or fixed up,...whether you're interested in fixing old electronic equipment, understanding guitar fuzz amps, or tinkering with robots, *Electronics For Dummies* is your quick connection to the stuff you need to know.

Football Lexicon John Leigh, David Woodhouse, 2006-06 A sort of Robbie Fowler's *Modern English Usage*, 'The Football Lexicon' provides an A to Row Z of the language of

football, with over 800 examples of the set phrases we use to talk and write about the beautiful game. Altercation; A rather euphemistic way of describing a bust-up, a dust-up, a situation where players square up, as in - 'Bit of an altercation off the ball there.' See also handbags. Z - Row Z is a long way from the pitch and so, by inference, the hypothetical destination of any no-nonsense clearance. Defenders who put safety first by playing within their limitations can be praised, but a reference to the back of the stand may also depict a badly over-hit pass - 'He tried to find Fredgaard on the other wing, but that's gone straight into Row Z.' Old-school managers may even condone their players putting the opposition into the stands along with the ball - 'County boss Billy Dearden was left fuming - 'O'Driscoll should have finished in Row Z but we were too nice'.

Human-Computer Interaction – INTERACT 2021 Carmelo Ardito, Rosa Lanzilotti, Alessio Malizia, Helen Petrie, Antonio Piccinno, Giuseppe Desolda, Kori Inkpen, 2021-08-26 The five-volume set LNCS 12932-12936 constitutes the proceedings of the 18th IFIP TC 13 International Conference on Human-Computer Interaction, INTERACT 2021, held in Bari, Italy, in August/September 2021. The total of 105 full papers presented together with 72 short papers and 70 other papers in these books was carefully reviewed and selected from 680 submissions. The contributions are organized in topical sections named: Part I: affective computing; assistive technology for cognition and neurodevelopment disorders; assistive technology for mobility and rehabilitation; assistive technology for visually impaired; augmented reality; computer supported cooperative work. Part II: COVID-19 & HCI; crowdsourcing methods in HCI; design for automotive interfaces; design methods; designing for smart devices & IoT; designing for the elderly and accessibility; education and HCI; experiencing sound and music technologies; explainable AI. Part III: games and gamification; gesture interaction; human-centered AI; human-centered development of sustainable technology; human-robot interaction; information visualization; interactive design and cultural development. Part IV: interaction techniques; interaction with conversational agents; interaction with mobile devices; methods for user studies; personalization and recommender systems; social networks and social media; tangible interaction; usable security. Part V: user studies; virtual reality; courses; industrial experiences; interactive demos; panels; posters; workshops. The chapter 'Stress Out: Translating Real-World Stressors into Audio-Visual Stress Cues in VR for Police Training' is open access under a CC BY 4.0 license at link.springer.com. The chapter 'WhatsApp in Politics?! Collaborative Tools Shifting Boundaries' is open access under a CC BY 4.0 license at link.springer.com.

Human Factors in Computing and Informatics Andreas Holzinger, Martina Ziefle, Martin Hitz, Matjaz Debevc, 2013-06-26 This book constitutes the refereed proceedings of the First International Conference on Human Factors in Computing and Informatics, SouthCHI 2013, held in Maribor, Slovenia, in July 2013. SouthCHI is the successor of the USAB Conference series and promotes all aspects of human-computer interaction. The 38 revised full papers presented together with 12 short papers, 4 posters and 3 doctoral thesis papers were carefully reviewed and selected from 169 submissions. The papers are organized in the following topical sections: measurement and usability evaluation; usability evaluation - medical environments; accessibility methodologies; game-based methodologies; Web-based systems and attribution research; virtual environments; design culture for ageing well: designing for situated elderliness; input devices; adaptive systems and intelligent agents; and assessing the state of HCI research and practice in South-Eastern Europe.

Smart Intelligent Computing and Applications Suresh Chandra Satapathy, Vikrant Bhateja, Swagatam Das, 2018-10-01 The proceedings covers advanced and multi-disciplinary research on design of smart computing and informatics. The theme of the book broadly focuses on various innovation paradigms in system knowledge, intelligence and

sustainability that may be applied to provide realistic solution to varied problems in society, environment and industries. The volume publishes quality work pertaining to the scope of the conference which is extended towards deployment of emerging computational and knowledge transfer approaches, optimizing solutions in varied disciplines of science, technology and healthcare.

Red-Blooded Risk Aaron Brown, 2011-10-11 An innovative guide that identifies what distinguishes the best financial risk takers from the rest. From 1987 to 1992, a small group of Wall Street quants invented an entirely new way of managing risk to maximize success: risk management for risk-takers. This is the secret that lets tiny quantitative edges create hedge fund billionaires, and defines the powerful modern global derivatives economy. The same practical techniques are still used today by risk-takers in finance as well as many other fields. Red-Blooded Risk examines this approach and offers valuable advice for the calculated risk-takers who need precise quantitative guidance that will help separate them from the rest of the pack. While most commentators say that the last financial crisis proved it's time to follow risk-minimizing techniques, they're wrong. The only way to succeed at anything is to manage true risk, which includes the chance of loss. Red-Blooded Risk presents specific, actionable strategies that will allow you to be a practical risk-taker in even the most dynamic markets. Contains a secret history of Wall Street, the parts all the other books leave out. Includes an intellectually rigorous narrative addressing what it takes to really make it in any risky activity, on or off Wall Street. Addresses essential issues ranging from the way you think about chance to economics, politics, finance, and life. Written by Aaron Brown, one of the most calculated and successful risk takers in the world of finance, who was an active participant in the creation of modern risk management and had a front-row seat to the last meltdown. Written in an engaging but rigorous style, with no equations. Contains illustrations and graphic narrative by renowned manga artist Eric Kim. There are people who disapprove of every risk before the fact, but never stop anyone from doing anything dangerous because they want to take credit for any success. The recent financial crisis has swelled their ranks, but in learning how to break free of these people, you'll discover how taking on the right risk can open the door to the most profitable opportunities.

Mobile Computing, Applications, and Services Petros Zerfos, Rebecca Montanari, Thomas Phan, 2010-05-11 This proceedings volume includes the full research papers presented at the First International Conference on Mobile Computing, Applications, and Services (MobiCASE) held in San Diego, California, during October 26-29, 2009. It was sponsored by ICST and held in conjunction with the First Workshop on Innovative Mobile User Interactivity (WIMUI). MobiCASE highlights state-of-the-art academic and industry research work in - main topics above the OSI transport layer with an emphasis on complete end-to-end systems and their components. Its vision is largely influenced by what we see in the consumer space today: high-end mobile phones, high-bandwidth wireless networks, novel consumer and enterprise mobile applications, scalable software infrastructures, and of course an increasingly larger user base that is moving towards an almost a- mobile lifestyle. This year's program spanned a wide range of research that explored new features, algorithms, and infrastructure related to mobile platforms. We received submissions from many countries around the world with a high number from Europe and Asia in addition to the many from North America. Each paper received at least three independent reviews from our Technical Program Committee members during the Spring of 2009, with final results coming out in July. As a result of the review process, we selected 15 high-quality papers and complemented them with six invited submissions from leading researchers, reaching the final count of 21 papers in the program.

Electronics For Dummies Cathleen Shamieh, Gordon McComb, 2011-01-04 Electronics is fascinating - want to make something of it? This book shows you how! You can make all

sorts of things, once you understand what electronics is and how it works. This book helps you out with that part, explaining the whole thing in plain English. Learn how electricity functions, how to harness it and put it to work, what tools you need to build circuits, what you can make with them, and how to do it safely. Mystery solved – understand what makes your iPod, remote control, and computer work Essential stuff – outfit your electronics lab with all the necessary tools, including some that will surprise you Schematic road maps – learn to read schematics and understand how they help your project get where it's going Symbols of power – recognize all the identifiers for power sources, grounds, and components Tools of the trade – discover how to use a multimeter, logic probe, oscilloscope, and solderless breadboard Break it down – get to know the ins and outs of components such as resistors, capacitors, diodes and transistors Getting it together – find out how integrated circuits make all the rest possible and learn to work with them & Analyze it – understand the rules that govern current and voltage and learn how to apply them Open the book and find: The difference between electronics and electricity A list of essential tools Cool projects you can build quickly Great places to find parts Important safety tips What a sine wave is Interesting stuff about speakers, buzzers, and DC motors Ohm's Law and how to use it

Manual of Vibration Exercise and Vibration Therapy Jörn Rittweger, 2020-05-23 This book addresses the practical aspects of vibration exercise and vibration therapy. In addition, it describes the technical and physiological background, providing applied scientists and doctors with a deeper understanding of the therapeutic potential that vibration exercise holds. Having first emerged two decades ago, vibration exercise has since established itself as a widespread form of physical exercise, used in all rehabilitation areas. The goal of this book is to close the gap between scientific knowledge and practice. Given that occupational exposure to vibration leads to well-known unfavorable effects, the book is also dedicated to potential risks, hazards and contra-indications and of course, the application of vibration therapy in a number of specific conditions is presented in a clinically usable fashion. Given its breadth of coverage, this book will be of interest to physiotherapists and exercise scientists, but also to a wider range of physicians working in the field of rehabilitation.

Information Technology for Management Efraim Turban, Carol Pollard, Gregory Wood, 2015-06-22 Information Technology for Management by Turban, Volonino, and Wood engages students with up-to-date coverage of the most important IT trends today. Over the years, this leading IT textbook had distinguished itself with an emphasis on illustrating the use of cutting edge business technologies for achieving managerial goals and objectives. The 10th Edition continues this tradition with coverage of emerging trends in Mobile Computing and Commerce, IT virtualization, Social Media, Cloud Computing and the Management and Analysis of Big Data along with advances in more established areas of Information Technology.

Contesting the Iranian Revolution Pouya Alimagham, 2020-03-19 Examines the last forty years of Iranian and Middle-Eastern history through the prism of the Green Uprisings of 2009.

Piezoelectric Energy Harvesting Alper Erturk, Daniel J. Inman, 2011-04-04 The transformation of vibrations into electric energy through the use of piezoelectric devices is an exciting and rapidly developing area of research with a widening range of applications constantly materialising. With Piezoelectric Energy Harvesting, world-leading researchers provide a timely and comprehensive coverage of the electromechanical modelling and applications of piezoelectric energy harvesters. They present principal modelling approaches, synthesizing fundamental material related to mechanical, aerospace, civil, electrical and materials engineering disciplines for vibration-based energy harvesting using piezoelectric transduction. Piezoelectric Energy Harvesting provides the first

comprehensive treatment of distributed-parameter electromechanical modelling for piezoelectric energy harvesting with extensive case studies including experimental validations, and is the first book to address modelling of various forms of excitation in piezoelectric energy harvesting, ranging from airflow excitation to moving loads, thus ensuring its relevance to engineers in fields as disparate as aerospace engineering and civil engineering. Coverage includes: Analytical and approximate analytical distributed-parameter electromechanical models with illustrative theoretical case studies as well as extensive experimental validations Several problems of piezoelectric energy harvesting ranging from simple harmonic excitation to random vibrations Details of introducing and modelling piezoelectric coupling for various problems Modelling and exploiting nonlinear dynamics for performance enhancement, supported with experimental verifications Applications ranging from moving load excitation of slender bridges to airflow excitation of aeroelastic sections A review of standard nonlinear energy harvesting circuits with modelling aspects.

Wearable Monitoring Systems Annalisa Bonfiglio, Danilo De Rossi, 2010-12-17 As diverse as tomorrow's society constituent groups may be, they will share the common requirements that their life should become safer and healthier, offering higher levels of effectiveness, communication and personal freedom. The key common part to all potential solutions fulfilling these requirements is wearable embedded systems, with longer periods of autonomy, offering wider functionality, more communication possibilities and increased computational power. As electronic and information systems on the human body, their role is to collect relevant physiological information, and to interface between humans and local and/or global information systems. Within this context, there is an increasing need for applications in diverse fields, from health to rescue to sport and even remote activities in space, to have real-time access to vital signs and other behavioral parameters for personalized healthcare, rescue operation planning, etc. This book's coverage will span all scientific and technological areas that define wearable monitoring systems, including sensors, signal processing, energy, system integration, communications, and user interfaces. Six case studies will be used to illustrate the principles and practices introduced.

Information Technology for Management Efraim Turban, 2018-11-26

Under the Sign of the Scorpion Jüri Lina, 1998

Cantonese Primer Yuen Ren Chao, 1947-02-05

Wearable Movement Sensors for Rehabilitation Gerrit Ruben Hendrik

Regterschot, Gerard M Ribbers, Hans Bussmann, 2021-09-23 This Special Issue shows a range of potential opportunities for the application of wearable movement sensors in motor rehabilitation. However, the papers surely do not cover the whole field of physical behavior monitoring in motor rehabilitation. Most studies in this Special Issue focused on the technical validation of wearable sensors and the development of algorithms. Clinical validation studies, studies applying wearable sensors for the monitoring of physical behavior in daily life conditions, and papers about the implementation of wearable sensors in motor rehabilitation are under-represented in this Special Issue. Studies investigating the usability and feasibility of wearable movement sensors in clinical populations were lacking. We encourage researchers to investigate the usability, acceptance, feasibility, reliability, and clinical validity of wearable sensors in clinical populations to facilitate the application of wearable movement sensors in motor rehabilitation.

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