

Power Of Events The An Introduction To Complex Event Processing In Distributed Enterprise Systems Paperback

Complex Event Processing (CEP) is a defined set of tools and techniques for analyzing and controlling the complex series of interrelated events that drive modern distributed information systems. This emerging technology helps IS and IT professionals understand what is happening within the system, quickly identify and solve problems, and more effectively utilize events for enhanced operation, performance, and security. CEP can be applied to a broad spectrum of information system challenges, including business process automation, schedule and control processes, network monitoring and performance prediction, and intrusion detection. "The Power of Events" introduces CEP and shows specifically how this innovative technology can be utilized to enhance the quality of large-scale, distributed enterprise systems. The book describes the challenges faced by today's information systems, explains fundamental CEP concepts, and highlights CEP's role within a complex and evolving contemporary context. After thoroughly introducing the concept, the book moves on to a more detailed, technical explanation of CEP, featuring the Rapide(TM) event pattern language, reactive event pattern rules, event pattern constraints, and event processing agents. It offers practical advice on building CEP-based solutions that solve real world IS/IT problems. Readers will learn about such essential topics as: Managing the open electronic enterprise in the "global event cloud" Process architectures and on-the-fly process evolution Events, timing, causality, and aggregation Event patterns and event abstraction hierarchies Causal event tracking and information gaps Multiple views and hierarchical viewing Dynamic process architectures The Rapide event pattern language Event pattern rules, constraints, and agents Event processing networks (EPNs) Causal models and event pattern maps Implementing event abstraction hierarchies Several comprehensive case studies illustrate the benefits of CEP, as well as key strategies for applying the technology. Examples include the real-time monitoring of events flowing between the business processes of collaborating enterprises, and a hierarchically organized set of event-driven views of a financial trading system. One of the case studies shows how to apply CEP to network viewing and intrusion detection. The book concludes with a look at building an infrastructure for CEP, showing how the technology can provide a significant competitive advantage amidst the myriad of event-driven, Internet-based applications now coming onto the market. 0201727897B05172002

In September 2017, Hurricane Maria hit Puerto Rico, completely upending the energy grid of the small island. The nearly year-long power outage that followed vividly shows how the new climate reality intersects with race and access to energy. The island is home to brown and black US citizens who lack the political power of those living in the continental US. As the world continues to warm and storms like Maria become more commonplace, it is critical that we rethink our current energy system to enable reliable, locally produced, and locally controlled energy without replicating the current structures of power and control. In *Revolutionary Power*, Shalanda Baker arms those made most vulnerable by our current energy system with the tools they need to remake the system in the service of their humanity. She argues that people of color, poor people, and indigenous people must engage in the creation of the new energy system in order to upend the unequal power dynamics of the current system. *Revolutionary Power* is a playbook for the energy transformation complete with a step-by-step analysis of the key energy policy areas that are ripe for intervention. Baker tells the stories of those who have been left behind in our current system and those who are working to be architects of a more just system. She draws from her experience as an energy-justice advocate, a lawyer, and a queer woman of color to inspire activists working to build our new energy system. Climate change will force us to rethink the way we generate and distribute energy and regulate the system. But how much are we willing to change the system? This unique moment in history provides an unprecedented opening for a deeper transformation of the energy system, and thus, an opportunity to transform society. *Revolutionary Power* shows us how.

As the United States struggled to survive the recent recession, China quietly acquired a vast amount of U.S. Treasury bills and bonds. With China now holding so much of America's debt, currency valuation issues have already caused tensions between the two superpowers. Couple this with Iran's efforts to develop into a nuclear power in an area that I

When Alicia R. Riley of Williamsburg, VA planned an event that caused a non-verbal woman to speak, she realized that events have the power to change lives. *The Power of Events* is the story of how Alicia Riley started her career in event planning, what she has experienced as a result of this and how she manages her business. She also shares her personal self-care program that sustains her and helps keep her focused.

Featuring contributions from worldwide leaders in the field, the carefully crafted *Electric Power Generation, Transmission, and Distribution, Third Edition* (part of the five-volume set, *The Electric Power Engineering Handbook*) provides convenient access to detailed information on a diverse array of power engineering topics. Updates to nearly every chapter keep this book at the forefront of developments in modern power systems, reflecting international standards, practices, and technologies. Topics covered include: Electric power generation: nonconventional methods Electric power generation: conventional methods Transmission system Distribution systems Electric power utilization Power quality L.L. Grigsby, a respected and accomplished authority in power engineering, and section editors Saifur Rahman, Rama Ramakumar, George Karady, Bill Kersting, Andrew Hanson, and Mark Halpin present substantially new and revised material, giving readers up-to-date information on core areas. These include advanced energy technologies, distributed utilities, load characterization and modeling, and power quality issues such as power system harmonics, voltage sags, and power quality monitoring. With six new and 16 fully revised chapters, the book supplies a high level of detail and, more importantly, a tutorial style of writing and use of photographs and graphics to help the reader understand the material. New chapters cover: Water Transmission Line Reliability Methods High Voltage Direct Current Transmission System Advanced Technology High-Temperature Conduction Distribution Short-Circuit Protection Linear Electric Motors A volume in the *Electric Power Engineering Handbook, Third Edition*. Other volumes in the set: K12648 *Power Systems, Third Edition* (ISBN: 9781439856338) K13917 *Power System Stability and Control, Third Edition* (ISBN: 9781439883204) K12650 *Electric Power Substations Engineering, Third Edition* (ISBN: 9781439856383) K12643 *Electric Power Transformer Engineering, Third Edition* (ISBN: 9781439856291)

Sports Science has increasingly developed both as an area of research and as a university subject. This book gives an authoritative account of the biological basis of athletic performance and training, based on an analysis of scientific and medical research in the area. The findings are presented in such a way that anyone involved in training for high-level sport will find the information accessible and of interest.

Addresses innovations in technology relating to the energy efficiency of a wide variety of contemporary computer systems and networks With concerns about global energy consumption at an all-time high, improving computer networks energy efficiency is becoming an increasingly important topic. Large-Scale Distributed Systems and Energy Efficiency: A Holistic View addresses innovations in technology relating to the energy efficiency of a wide variety of contemporary computer systems and networks. After an introductory overview of the energy demands of current Information and Communications Technology (ICT), individual chapters offer in-depth analyses of such topics as cloud computing, green networking (both wired and wireless), mobile computing, power modeling, the rise of green data centers and high-performance computing, resource allocation, and energy efficiency in peer-to-peer (P2P) computing networks. Discusses measurement and modeling of the energy consumption method Includes methods for energy consumption reduction in diverse computing environments Features a variety of case studies and examples of energy reduction and assessment Timely and important, Large-Scale Distributed Systems and Energy Efficiency is an invaluable resource for ways of increasing the energy efficiency of computing systems and networks while simultaneously reducing the carbon footprint.

Bridging the gap between power quality and signal processing This innovative new text brings together two leading experts, one from signal processing and the other from power quality. Combining their fields of expertise, they set forth and investigate various types of power quality disturbances, how measurements of these disturbances are processed and interpreted, and, finally, the use and interpretation of power quality standards documents. As a practical aid to readers, the authors make a clear distinction between two types of power quality disturbances: Variations: disturbances that are continuously present Events: disturbances that occur occasionally A complete analysis and full set of tools are provided for each type of disturbance: Detailed examination of the origin of the disturbance Signal processing measurement techniques, including advanced techniques and those techniques set forth in standards documents Interpretation and analysis of measurement data Methods for further processing the features extracted from the signal processing into site and system indices The depth of coverage is outstanding: the authors present and analyze material that is not covered in the standards nor found in the scientific literature. This text is intended for two groups of readers: students and researchers in power engineering who need to use signal processing techniques for power system applications, and students and researchers in signal processing who need to perform power system disturbance analyses and diagnostics. It is also highly recommended for any engineer or utility professional involved in power quality monitoring.

The Jan. 1956 issue includes Fluid power engineering index, 1931-55.

In the past decade, the field of comparative cognition has grown and thrived. No less rigorous than purely behavioristic investigations, examinations of animal intelligence are useful for scientists and psychologists alike in their quest to understand the nature and mechanisms of intelligence. Extensive field research of various species has yielded exciting new areas of research, integrating findings from psychology, behavioral ecology, and ethology in a unique and wide-ranging synthesis of theory and research on animal cognition. The Oxford Handbook of Comparative Cognition contains sections on perception and illusion, attention and search, memory processes, spatial cognition, conceptualization and categorization, problem solving and behavioral flexibility, and social cognition processes including findings in primate tool usage, pattern learning, and counting. The authors have incorporated findings and theoretical approaches that reflect the current state of the field. This comprehensive volume will be a must-read for students and scientists who want to know about the state of the art of the modern science of comparative cognition.

"Rojek's argument is a psychological one, although his message is political: global events build on people's needs to feel empowered and jointly engaged in the pursuit of a higher purpose; they allow a break from daily routines, provide an illusion of intimacy and social membership, and create a sense of self-validation and personal gratification. In short, participation in such events makes us feel good. At the same time, the real effect of global events seems to be the maintenance of global inequality and social injustice, as well as huge profits for the organizations involved in planning, commercializing and securing these happenings. In sketching out this palliative function of global events from the perspective of people's needs on the one hand, and unveiling their puppet masters backstage on the other, Rojek's book presents a compelling account of the role of organized events in modern society." - Organization Studies Events dominate our screens, our lives, and increasingly global geopolitics. Analysis of events and their management has remained rooted in leisure and management studies - until now. This break-through book provides an introduction to event management, while also situating events in questions of power and social control. Rojek powerfully argues that events are essential elements in corporate-state partnerships of 'invisible government' that have revived the romance of charity as to form illusory communities, while cloaking power imbalances and social inequalities. Events are moving politics from the old idea of 'the personal is political' to the new, more seductive notion that 'representation is resistance'. Wielding rich case studies from the World Cup and the Olympics to Live Aid, Burning Man and Mardi Gras, Rojek presents a dazzlingly original account of communication power, social ordering and control. It is essential reading in media & communication studies and across the social sciences.

Despite explicit commitments to gender equality, women experience complex modes of disadvantage and discrimination in all nations of the world. Offering sophisticated insights into the persistence of gendered differences in opportunities, roles, power, and rights in societies across the globe, this volume investigates factors that both enable and constrain women's advancement. From intimate relations within families, to social norms, relations, ideologies, and structures of power, to political institutions, electoral systems, and public policies, the chapters analyze possibilities for and obstacles to inclusive democratic practices and identify interventions essential to enable democratic values to take root. Contributors from Africa, Asia, Europe, Latin America, and the USA provide detailed assessments of the social, economic, and political condition of women, their mobilizations to produce transform gendered power and authority in diverse nations, and their efforts to enhance the quality of their lives, their communities, and democratic governance.

This book examines the power relations that emerge from the convergence of the universe in which the sporting spectacle is produced and the universe in which a city is produced. The book adopts Bourdieu's concept of field to explore the interests and disputes involved in the production of sports mega-events across different times and spaces, and the role of host cities in these processes. It aims to identify the bases that give these spectacles the power to produce disruptions in the social fabric of the host cities and countries and to enable the production of authoritarian forms of exercising power. By observing the historical constitution of the field of production of sport spectacle as an autonomous field, this book explores how sport mega-events create both an arena and a context for radical expressions of authoritarianism of neoliberal planning models. The book will be of interest to students, scholars, and professionals in architecture and urban studies, urban planning, municipal governance, sport and leisure studies as well as those interested in the relationship between state and capital in the production of urban space.

7.1 (GeV/c)² These measurements clearly indicate that the analyzing power is large and increasing in this kinematic region.

This book constitutes the refereed proceedings of the International RuleML Symposium on Rule Interchange and Applications, RuleML 2008, held in Orlando, FL, USA, in October 2008 - collocated with the 11th International Business Rules Forum. The 10 revised full papers and 10 revised short papers presented together with 2 demo papers and the abstracts of 3 keynote lectures were carefully reviewed and selected from 35 submissions. The papers are organized in topical sections on rule engineering, rule-based methodologies and applications in policies, electronic contracts and security, rule representation languages and reasoning engines, rule-based methodologies and applications in distributed and heterogeneous environments, natural-language and graphical rule representation and processing, as well as exemplary contributions to the RuleML-2008 challenge.

Although the event management field has grown considerably over the last decade, critical, social-scientific studies of the international events industry are rare. This book intends to help fill this void. It focuses on power, social and political relations, conflicts and controversies in the context of international events, popular festivals and famous spectacles. It draws on recent primary research and offers a diverse range of new and intriguing case studies, for example the Arirang Festival in North Korea, the Gay Games, the Gymnaestrada, horse-racing events, the London 2012 Olympics, regional and rural festivals, the World Baseball Classic, World Fairs/Expos and U2 concerts. The main aim of this volume is to bring the critical, social-scientific analysis of events, festivals and spectacles more into the core of the teaching of events management degree programmes. The book draws extensively upon the disciplines of politics, sociology, cultural studies and history. In the process, it addresses key themes such as:

- political economy
- politics of popular culture
- the global and the local
- regionalism and globalization
- nations and nationalism
- international relations and foreign policy.

This groundbreaking collection of essays is unique and innovative. It will be an essential source for students, researchers and academics with a keen interest in critical, social-scientific analyses of events.

The Civil Contingencies Act 2004 modernised the UK's approach to disaster and emergency management, taking into account the kinds of threats the country faces in the 21st century, including terrorist threats and threats to the environment. This third edition of the Tolley's Handbook of Disaster and Emergency Management has been fully updated to cover the topics and themes reflected in the Act, and collates all the key components of disaster and emergency planning for both the public and the private sector, covering both man-made and natural disasters. Written from a UK practitioner's point of view, using case studies and examples, it helps readers to understand and formulate disaster and emergency policies and systems for their workplace. Its practical approach will help organizations to ensure business continuity and safeguard the health and safety of their staff in the event of a disaster. The new edition has been updated in line with the latest legislation: * Civil Contingencies Act 2004 * Amendment to the Control of Major Accident Hazards (COMAH) Regulations * Corporate Manslaughter Bill

Resilience of Sustainable Power Plant Systems in Catastrophic Events By Naim Hamdia Afgan (2016, Paperback, 292 pages)

This book examines the nature and character of naval expeditionary warfare, in particular in peripheral campaigns, and the contribution of such campaigns to the achievement of strategic victory. Naval powers, which can lack the massive ground forces to win in the main theatre, often choose a secondary theatre accessible to them by sea and difficult for their enemies to reach by land, giving the sea power and its expeditionary forces the advantage. The technical term for these theatres is 'peripheral operations.' The subject of peripheral campaigns in naval expeditionary warfare is central to the British, the US, and the Australian way of war in the past and in the future. All three are reluctant to engage large land forces because of the high human and economic costs. Instead, they rely as much as possible on sea and air power, and the latter is most often in the form of carrier-based aviation. In order to exert pressure on their enemies, they have often opened additional theaters in on-going, regional, and civil wars. This book contains thirteen case studies by some of the foremost naval historians from the United States, Great Britain, and Australia whose collected case studies examine the most important peripheral operations of the last two centuries. This book will be of much interest to students of naval warfare, military history, strategic studies and security studies.

"Denis McQuail's Mass Communication Theory is not just a seminal text in the study of media and society - it is a benchmark for understanding and appreciating the long and winding road people and their media have taken to get us here." - Mark Deuze, Indiana University and Leiden University "This is a unique work tested by time and generations of students around the world - North, South, East and West." - Kaarle Nordenstreng, University of Tampere "McQuail's Mass Communication Theory continues to be the clearest and best introduction to this sprawling field." - Anders Hansen, University of Leicester With over 125,000 copies sold, McQuail's Mass Communication Theory has been the benchmark for studying media and communication for more than 25 years. It remains the most authoritative and comprehensive introduction to the field and offers unmatched coverage of the research literature. It covers everything a student needs to know of the diverse forms of mass communication today, including television, radio, newspapers, film, music, the internet and other forms of new media. Denis McQuail shows that more than ever, theories of mass communication matter for the broader understanding of society and culture. Unmatched in coverage and used across the globe, this book includes: Explorations of new media, globalization, work, economy, governance, policy, media audiences and effects New boxed case studies on key research publications, to familiarize students with the critical research texts in the field Definitions, examples, and illustrations throughout to bring abstract concepts to life. McQuail's Mass Communication Theory is the indispensable resource no student of media and communication studies can afford to be without.

The Power of Events Blue Fortune Enterprises LLC

In one of their most bizarre adventures yet, the Power Coders become stuck in a time loop! The kids are forced to relive a short sequence of events over and over. Luckily, together they have the computational thinking skills needed to recognize the loop and form a plan to break out of it, if they can stop thinking about cupcakes! After recording and analyzing the peculiar sequence of events, the young coders use their knowledge of loops, logic, and Boolean expressions to discover the source of the mystery. Colorful artwork, amusing dialogue, and an antibullying approach help make this narrative both entertaining and informative.

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