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Towards Practical Brain-Computer Interfaces - Brendan Z. Allison 2012-08-21
Brain-computer interfaces (BCIs) are devices that enable people to communicate via thought alone. Brain signals can be directly translated into messages or commands. Until recently, these devices were used primarily to help people who could not move. However, BCIs are now becoming practical tools for a wide variety of people, in many different situations. What will BCIs in the future be like? Who will use them, and why? This book, written by many of the top BCI researchers and developers, reviews the latest progress in the different components of BCIs. Chapters also discuss practical issues in an emerging BCI enabled community. The book is intended both for professionals and for interested laypeople who are not experts in BCI research.
EBOOK: Pioneering Studies In Cognitive Neuroscience - Richard Roche 2009-10-16
This edited collection presents seven recent studies in contemporary cognitive neuroscience which have come to be viewed as classic experiments. The contributing authors are renowned in their field for producing intelligent and innovative research, and together they cover each of the main sub-disciplines of cognitive neuroscience. As well as the original study, and a description of the methodology and results, each chapter includes a personal commentary by the author of the study in which they share unique insights into the genesis of the idea, the 'how to'

of carrying out scientific research and a summary of the most important results. In addition, leading figures discuss the impact of the study, how it advanced research in the area and the influence it has had on their own and others' experimental designs and research activities. By illustrating the scope for creativity that exists in the process of experimental design, the authors encourage you to innovate and design creative approaches to experiments that address major theoretical issues or solve specific problems. This is important reading for students of psychology and cognitive neuroscience. Contributors: Charles W. Anderson, Niels Birbaumer, Seán Commins, James Danckert, Beatrice de Gelder, Paul Dockree, Luciano Fadiga, Gereon Fink, John Foxe, Eleanor Maguire, Shane O'Mara. Alvaro Pascual-Leone, V.S. Ramachandran, Lynn Robertson, Richard A.P. Roche, Giuseppe Vallar, Vincent Walsh
Encyclopedia of Disaster Relief - K. Bradley Penuel 2010-12-29
Request a FREE 30-day online trial to this title at www.sagepub.com/freetrial! This encyclopedia covers response to disasters around the world, from governments to NGOs, from charities to politics, from refugees to health, and from economics to international relations, covering issues in both historical and contemporary context. The volumes include information relevant to students of sociology, national security, economics, health sciences, political science, emergency preparedness, history, agriculture, and many other subjects. The goal is to help readers appreciate the importance of the effects,

responsibilities, and ethics of disaster relief, and to initiate educational discussion brought forth by the specific cultural, scientific, and topical articles contained within the work. Including 425 signed entries in a two-volume set presented in A-to-Z format, and drawing contributors from varied academic disciplines, this encyclopedia also features a preface by Thomas H. Kean and Lee H. Hamilton of the 9/11 Commission. This reference resource examines disaster response and relief in a manner that is authoritative yet accessible, jargon-free, and balanced to help readers better understand issues from varied perspectives. Key Themes - Geography - Government and International Agencies - History - Human-induced Disasters - Infrastructure - Local Response - Major Disasters (Relief Case Studies) - Medicine and Psychology - Methods and Practices - Mitigation - Natural Disasters (Overviews) - Politics and Funding - Preparedness - Recovery - Response - Science and Prediction - Sociology - U.S. Geographical Response

A Risk Management Approach to Business Continuity - Julia Graham 2015-02-20
Julia Graham and David Kaye, two globally recognized risk management experts with experience in 50 countries, were among the first to recognize the interrelationship of Risk Management and Business Continuity and demonstrate how to integrate them with Corporate Governance enterprise-wide. They focus on all the factors that must be considered when developing a comprehensive Business Continuity Plan, especially for multi-location or multinational companies. Endorsed by The Business Continuity Institute, Institute for Risk Management, and Disaster Recovery Institute International, the book includes: • Chapter objectives, summaries and bibliographies; charts, sample forms, checklists throughout. • Plentiful case studies, in boxed text, sourced globally in the UK, US, Europe, Australia, Asia, etc. • Boxed inserts summarizing key concepts. • Glossy of 150 risk management and business continuity terms. • Wide range of challenges, including supply chain disruptions, media and brand attack, product contamination and product recall, bomb threats, chemical and biological threats, etc. • Instructions for designing/executing team exercises with role playing to

rehearse scenarios. • Guidance on how to develop a business continuity plan, including a Business Impact Analysis. Downloadable Instructor Materials are available for college and professional developement use, including PowerPoint slides and syllabus for 12-week course with lecture outlines/notes, quizzes, reading assignments, discussion topics, projects "Provides clear guidance, supported with a wide range of memorable and highly relevant case studies, for any risk or business continuity manager to successfully meet the challenges of today and the future." --Steven Mellish, Chairman, The Business Continuity Institute
Developing an Enterprise Continuity Program Sergei Petrenko 2022-09-01
The book discusses the activities involved in developing an Enterprise Continuity Program (ECP) that will cover both Business Continuity Management (BCM) as well as Disaster Recovery Management (DRM). The creation of quantitative metrics for BCM are discussed as well as several models and methods that correspond to the goals and objectives of the International Standards Organisation (ISO) Technical Committee ISO/TC 292 "Security and resilience". Significantly, the book contains the results of not only qualitative, but also quantitative, measures of Cyber Resilience which for the first time regulates organizations' activities on protecting their critical information infrastructure. The book discusses the recommendations of the ISO 22301: 2019 standard "Security and resilience — Business continuity management systems — Requirements" for improving the BCM of organizations based on the well-known "Plan-Do-Check-Act" (PDCA) model. It also discusses the recommendations of the following ISO management systems standards that are widely used to support BCM. The ISO 9001 standard "Quality Management Systems"; ISO 14001 "Environmental Management Systems"; ISO 31000 "Risk Management", ISO/IEC 20000-1 "Information Technology - Service Management", ISO/IEC 27001 "Information Management security systems", ISO 28000 "Specification for security management systems for the supply chain", ASIS ORM.1-2017, NIST SP800-34, NFPA 1600: 2019, COBIT 2019, RESILIA, ITIL V4 and MOF 4.0, etc. The book expands on the best practices of the British Business Continuity Institute's Good

Practice Guidelines (2018 Edition), along with guidance from the Disaster Recovery Institute's Professional Practices for Business Continuity Management (2017 Edition). Possible methods of conducting ECP projects in the field of BCM are considered in detail. Based on the practical experience of the author there are examples of Risk Assessment (RA) and Business Impact Analysis (BIA), examples of Business Continuity Plans (BCP) & Disaster Recovery Plans (DRP) and relevant BCP & DRP testing plans. This book will be useful to Chief Information Security Officers, internal and external Certified Information Systems Auditors, senior managers within companies who are responsible for ensuring business continuity and cyber stability, as well as teachers and students of MBA's, CIO and CSO programs.

Validating Your Business Continuity Plan - Robert Clark 2015-11-17 Business continuity planning is a process of continual improvement, not a matter of writing a plan and then putting your feet up. Attempting to validate every aspect of your plan, however – particularly in a live rehearsal situation – could create a disaster of your own making.Validating Your Business Continuity Plan examines the three essential components of validating a business continuity plan – exercising, maintenance and review – and outlines a controlled and systematic approach to BCP validation while considering each component, covering methods and techniques such as table-top reviews, workshops and live rehearsals. The book also takes account of industry standards and guidelines to help steer the reader through the validation process, including the international standard ISO 22301 and the Business Continuity Institute's Good Practice Guidelines. In addition, it provides a number of case studies based on the author's considerable experience – some of them successful, others less so – to highlight common pitfalls and problems associated with the validation process.

Breakthrough BCI Applications in Medicine - Christoph Guger 2021-02-04

Principles and Practice of Business Continuity - Jim Burtles 2016-02-20 Are you are a Business Continuity Manager or training for the job? Are you ready to keep the business up and running in the face of emergencies ranging from earthquakes to accidents to fires to computer crashes? In this second edition of Principles and Practice of Business Continuity: Tools and Techniques, Jim Burtles explains six main scenarios. He promises: "If you and your organization are prepared to deal with these six generic risks, you will be able to recover from any business disaster." Using his decades of experience, Burtles speaks to you directly and personally, walking you through handling any contingency. He tells you how to bring people together to win executive support, create a Business Continuity Plan, organize response teams, and recover from the disruption. His simple, step-by-step actions and real-world examples give you the confidence to get the job done. To help you along, each chapter of Principles and Practice of Business Continuity: Tools and Techniques starts with learning objectives and ends with a multiple-choice self-examination covering the main points. Thought-provoking exercises at the end of each chapter help you to apply the materials from the chapter to your own experience. In addition, you will find a glossary of the key terms currently in use in the industry and a full index. For further in-depth study, you may download the Business Continuity Toolkit, a wealth of special online material prepared for you by Jim Burtles. The book is organized around the phases of planning for and achieving resiliency in an organization: Part I: Preparation and Startup Part II: Building a Foundation Part III: Responding and Recovering Part IV: Planning and Implementing Part V: Long-term Continuity Are you a professor or a leader of seminars or workshops? On course adoption of Principles and Practice of Business Continuity: Tools and Techniques, you will have access to an Instructor's Manual, Test Bank, and a full set of PowerPoint slides.

Augmented Cognition. Enhancing Cognition and Behavior in Complex Human Environments - Dylan D. Schmorrow 2017-06-28 This volume constitutes the proceedings of the 11th International Conference on Augmented Cognition, AC 2017, held as part of the International Conference on Human-Computer Interaction, HCII 2017, which took place in Vancouver, BC, Canada, in July 2017. HCII 2017

received a total of 4340 submissions, of which 1228 papers were accepted for publication after a careful reviewing process. The papers thoroughly cover the entire field of Human-Computer Interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas. The two volumes set of AC 2017 presents 81 papers which are organized in the following topical sections: electroencephalography and brain activity measurement, eye tracking in augmented cognition, physiological measuring and bio-sensing, machine learning in augmented cognition, cognitive load and performance, adaptive learning systems, brain-computer interfaces, human cognition and behavior in complex tasks and environments.

The Cyclopædia; Or, Universal Dictionary of Arts, Sciences, and Literature. By Abraham Rees, ... with the Assistance of Eminent Professional Gentlemen. Illustrated with Numerous Engravings, by the Most Disinguished Artists. In Thirthy-nine Volumes. Vol. 1 1810- [1810-39]

Business and Development Studies - Peter Lund-Thomsen 2019-10-16
Business and Development Studies: Issues and Perspectives provides a comprehensive collection of cutting-edge theoretical and empirical contributions to the emerging field of business and development studies. Compared to more traditional business-school accounts of business in developing countries which focus on the challenges and opportunities of doing business in developing countries, this anthology explores whether, how, and under what conditions business contributes to the achievement of economic, social, and environmental goals in developing countries. The book consolidates the current status of academic work on business and development, identifies state of the art in relation to this academic field, and establishes a future research agenda for 'business and development studies' as an emerging academic discipline within the social sciences. The book will be of interest to researchers and students, including economists, geographers, sociologists, political scientists, corporate social responsibility specialists, and development scholars who are seeking an in-depth overview of current debates about the role of business as a development agent in the Global South. The book is also of

relevance to practitioners that are engaged in work with the private sector seeking to enhance the positive effects and minimize the negative economic, social, and environmental consequences of business activity in the Global South.
Modern Air Conditioning Practice - Norman C. Harris 1959

Business Cycles and Structural Change in South Africa - Willem H. Boshoff 2020-04-20
This book investigates the South African business cycle and its links to structural change in the economy. Against the backdrop of the democratic transition in 1994 and the global financial crisis, the authors study how business cycles in South Africa have changed and how cycles are related to key developments in the financial markets, international trade and business sentiment in the country. By focusing on peaks and troughs in economic activity – so-called 'turning-point cycles' – the book links up with the common approach of international policymakers to studying fluctuations in economic activity. The authors also introduce new approaches to measuring phases of the business cycle (to understand slow recoveries after the global crisis), provide comprehensive descriptions to complement quantitative analyses, and utilize new data sources that allow the measurement of economic activity over longer periods. As such, the book provides the first integrated overview of business cycles in an emerging market, providing academics and policymakers with a better understanding of the measurement challenges and drivers of the cycle.

Assistive Technology: From Research to Practice - P. Encarnação 2013-09-09
Assistive Technology (AT) is an umbrella term indicating any product or technology-based service that enables people of all ages with activity limitations in their daily life, education, work or leisure. It is a highly interdisciplinary field, encompassing research, development, manufacture, supply, provision and policy. This book presents the proceedings of the 12th biennial European conference of the Association for the Advancement of Assistive Technology in Europe, AAATE 2013,

held in Vilamoura, Portugal, in September 2013. The full papers included here cover a diverse range of subjects, including: ageing, disability and technology; accessibility in Europe; ambient assisted living; AT and Cloud computing; communication access for all; monitoring and telecare; and user perspective, to name but a few. The aim of the AAATE conference is to promote a more effective dialogue between manufacturers, researchers, developers, professionals and end users, and this book will be of interest to all those directly or indirectly involved in the field of AT.

Datasets for Brain-Computer Interface Applications - Ian Daly 2021-11-25

The Security Consultant's Handbook - Richard Bingley 2015-09-17 A compendium of essential information for the modern security entrepreneur and practitioner The modern security practitioner has shifted from a predominantly protective site and assets manager to a leading contributor to overall organisational resilience. Accordingly, The Security Consultant's Handbook sets out a holistic overview of the essential core knowledge, emerging opportunities and approaches to corporate thinking that are increasingly demanded by employers and buyers in the security market. This book provides essential direction for those who want to succeed in security, either individually or as part of a team. It also aims to stimulate some fresh ideas and provide new market routes for security professionals who may feel that they are underappreciated and overexerted in traditional business domains. Product overview Distilling the author's fifteen years' experience as a security practitioner, and incorporating the results of some fifty interviews with leading security practitioners and a review of a wide range of supporting business literature, The Security Consultant's Handbook provides a wealth of knowledge for the modern security practitioner, covering: Entrepreneurial practice (including business intelligence, intellectual property rights, emerging markets, business funding and business networking)Management practice (including the security function's move from basement to boardroom, fitting security into the wider context of organisational resilience, security management leadership, adding value and professional proficiency)Legislation and regulation (including relevant UK and international laws such as the Human Rights Act 1998, the Data Protection Act 1998 and the Geneva Conventions)Private investigations (including surveillance techniques, tracing missing people, witness statements and evidence, and surveillance and the law)Information and cyber security (including why information needs protection, intelligence and espionage, cyber security threats, and mitigation approaches such as the ISO 27001 standard for information security management)Protective security (including risk assessment methods, person-focused threat assessments, protective security roles, piracy and firearms)Safer business travel (including government assistance, safety tips, responding to crime, kidnapping, protective approaches to travel security and corporate liability)Personal and organisational resilience (including workplace initiatives, crisis management, and international standards such as ISO 22320, ISO 22301 and PAS 200) Featuring case studies, checklists and helpful chapter summaries, The Security Consultant's Handbook aims to be a practical and enabling guide for security officers and contractors. Its purpose is to plug information gaps or provoke new ideas, and provide a real-world support tool for those who want to offer their clients safe, proportionate and value-driven security services. About the author Richard Bingley is a senior lecturer in security and organisational resilience at Buckinghamshire New University, and co-founder of CSARN, the popular business security advisory network. He has more than fifteen years' experience in a range of high-profile security and communications roles, including as a close protection operative at London's 2012 Olympics and in Russia for the 2014 Winter Olympic Games. He is a licensed close protection operative in the UK, and holds a postgraduate certificate in teaching and learning in higher education. Richard is the author of two previous books: Arms Trade: Just the Facts(2003) and Terrorism: Just the Facts (2004).

The Cost of Emotions in the Workplace - Vali Hawkins Mitchell 2014-05-30

Finally – a people management guide that goes way beyond the typical "problem employee" books to help you understand and manage the entire emotional culture of your organization. Many of us have witnessed – sometimes in helpless horror – how a simple problem can spin into a corporate crisis as people take sides, outside professionals are brought in, and company reputations suffer, as this description illustrates: "Everything was exposed and raw as if a common energy had stripped away the veneer of civilized behaviors...People took sides, hid, ran, quit, overworked, underworked, ate too much, drank more, complained more, went silent, changed jobs, exited. They reacted as if all their system had been tossed into the air and was never going to land again." This wasn't the scene of a criminal act, earthquake, or terrorist attack. Rather, it was the disruptive and costly outcome of months of escalating workplace tension in the wake of changed management policies. Like a tornado, two violent co-workers had left 600 others in emotional rubble. That company could have been prepared with corporate policies and procedures to defuse such emotionally charged situations - long before alarming human and financial costs hit its bottom line. Managers could have learned to recognize and stop "emotional spinning" from gathering destructive force. The old paradigm of separating humans from humanity during work hours is not only antiquated thinking, it's high risk corporate behavior. "Dr. Vali" calls her ground-breaking solution Emotional Continuity Management. She provides tools you can use right now to avoid costs in decreased productivity, injured goodwill, employee turnover, plummeting employee engagement, and severed business relationships.In this practical book, Dr. Vali gives you: Real-life case studies that show you how to calculate bottom line, dollars and cents costs of disruptive employees and managers and emotionally charged incidents. Proven techniques to help you identify variations in behavior that are early warning signs of trouble. She compares them to "tornado warnings" and provides a 5-point scale. An understanding of the psychology driving "emotional terrorists," who stage themselves as victims and gather an army of acolytes to assist in their campaigns of emotional disruption, and a game-plan for managing such attacks before, during and after an event. Practical tools for managing workplace emotions before, during and after an emergency, based on the author's extensive on-the-ground experience in counseling first responders and victims during major national and international disasters. Policies and procedures for working with military veterans returning to the workplace - and the need to deal with PTSD. Techniques for containing and mitigating the damage created by workplace bullies - and when to decide if an "amputation" is required or a less-extreme strategy is needed. Sample policies and plans, and detailed instructions for company-wide training programs, up and down the organization.

Business Continuity and the Pandemic Threat - Learning from COVID-19 while preparing for the next pandemic - Robert Clark 2022-07-26
The book looks at case studies, reviewing how different industries have been impacted by the pandemic, with the author also reflecting on his own personal experience. It also discusses the ways the virus has affected our economy and daily routines, and the psychological impact.

Brain-Computer Interfaces - Jonathan Wolpaw 2012-01-24
A recognizable surge in the field of Brain Computer Interface (BCI) research and development has emerged in the past two decades. This book is intended to provide an introduction to and summary of essentially all major aspects of BCI research and development. Its goal is to be a comprehensive, balanced, and coordinated presentation of the field's key principles, current practice, and future prospects.

The Cyclopaedia; Or, an Universal Dictionary of Arts, Sciences, and Literature - Abraham Rees 1819

The Containment of Organised Crime and Terrorism - Cyrille J.C.F. Fijnaut 2016-09-08
This unique volume collects articles and contributions to edited books published throughout his distinguished career by Professor Cyrille Fijnaut, one of the world's leading experts in the fields of organised crime, security and criminology. It makes clear what issues the author systematically explored over the years and how he helped to shape the fields in which he has worked, and continues to work. The texts,

reflecting the author's profound understanding of these complex fields and wealth of experience on a practical level, are presented systematically. In addition, the volume offers English translations of seminal articles published originally in Dutch, thus making these important texts accessible to international scholars for the first time ever. The volume thus constitutes a unique and indispensable resource for scholars and practitioners, inside and outside the Netherlands.

The outsourcing of legal services - Singh Dharamveer 2015-10-27 Economic globalization is transforming practically every service sector. The legal industry that has long remained insulated too has not remained untouched by the effects of globalization. The outsourcing of legal services in the past one decade has transformed the legal landscape. Legal outsourcing to India is becoming increasingly popular among U.S. and European law firms and corporations. This book broadly seeks to discuss three main topics surrounding legal process outsourcing (LPO): its emerging trends, the legal challenges it raises and the hitherto unrecognized potential it holds. Firstly, this book clarifies concepts of LPO and its operating models practiced by U.S. and U.K. law firms and corporations. Secondly, the outsourcing of legal services creates significant challenges for ethics rules including conflict of interests, attorney-client privilege, supervision and fee sharing. Thirdly, this research explores the hidden potential of LPO to improve access to justice. This book develops an altogether new proposal where Indian LPO professionals could help alleviate the access to justice problem among indigent and low-income populations of the United States.

Towards a New Cognitive Neuroscience: Modeling Natural Brain Dynamics - Klaus Gramann 2014-10-03 Decades of brain imaging experiments have revealed important insights into the architecture of the human brain and the detailed anatomic basis for the neural dynamics supporting human cognition. However, technical restrictions of traditional brain imaging approaches including functional magnetic resonance tomography (fMRI), positron emission tomography (PET), and magnetoencephalography (MEG) severely limit participants' movements during experiments. As a consequence, our knowledge of the

neural basis of human cognition is rooted in a dissociation of human cognition from what is arguably its foremost, and certainly its evolutionarily most determinant function, organizing our behavior so as to optimize its consequences in our complex, multi-scale, and ever-changing environment. The concept of natural cognition, therefore, should not be separated from our fundamental experience and role as embodied agents acting in a complex, partly unpredictable world. To gain new insights into the brain dynamics supporting natural cognition, we must overcome restrictions of traditional brain imaging technology. First, the sensors used must be lightweight and mobile to allow monitoring of brain activity during free participant movements. New hardware technology for electroencephalography (EEG) and near infrared spectroscopy (NIRS) allows recording electrical and hemodynamic brain activity while participants are freely moving. New data-driven analysis approaches must allow separation of signals arriving at the sensors from the brain and from non-brain sources (neck muscles, eyes, heart, the electrical environment, etc.). Independent component analysis (ICA) and related blind source separation methods allow separation of brain activity from non-brain activity from data recorded during experimental paradigms that stimulate natural cognition. Imaging the precisely timed, distributed brain dynamics that support all forms of our motivated actions and interactions in both laboratory and real-world settings requires new modes of data capture and of data processing. Synchronously recording participants' motor behavior, brain activity, and other physiology, as well as their physical environment and external events may be termed mobile brain/body imaging ('MoBI'). Joint multi-stream analysis of recorded MoBI data is a major conceptual, mathematical, and data processing challenge. This Research Topic is one result of the first international MoBI meeting in Delmenhorst Germany in September 2013. During an intense workshop researchers from all over the world presented their projects and discussed new technological developments and challenges of this new imaging approach. Several of the presentations are compiled in this Research Topic that we hope may inspire new research using the MoBI paradigm to investigate natural

cognition by recording and analyzing the brain dynamics and behavior of participants performing a wide range of naturally motivated actions and interactions.

Advances in the Integration of Brain-Machine Interfaces and Robotic Devices - Luca Tonin 2021-04-07

Converging Clinical and Engineering Research on Neurorehabilitation - José L Pons 2013-02-19
Restoring human motor and cognitive function has been a fascinating research area during the last century. Interfacing the human nervous system with electro-mechanical rehabilitation machines is facing its crucial passage from research to clinical practice, enhancing the potentiality of therapists, clinicians and researchers to rehabilitate, diagnose and generate knowledge. The 2012 International Conference on Neurorehabilitation (ICNR2012) brings together researchers and students from the fields of Clinical Rehabilitation, Applied Neurophysiology and Biomedical Engineering, covering a wide range of research topics: · Clinical Impact of Technology · Brain-Computer Interface in Rehabilitation · Neuromotor & Neurosensory modeling and processing · Biomechanics in Rehabilitation · Neural Prostheses in Rehabilitation · Neuro-Robotics in Rehabilitation · Neuromodulation This Proceedings book includes general contributions (2-page extended abstracts) from oral and poster sessions, as well as from special sessions. A section is also dedicated to pre-post conference workshops, including invited contributions from internationally recognized researchers. A selection of most relevant papers have been considered for publication in international journals (e.g. JNER, JACCES, ...)., therefore they will appear soon in their extended versions in Special Issues. These Proceedings also contain brief descriptions of keynote lectures from invited world-class professors, and a number of thematic round tables covering technological and institutional issues.

Mind Over Brain, Brain Over Mind: Cognitive Causes and Consequences of Controlling Brain Activity - Elisabeth V. C. Friedrich 2015-11-30
This Research Topic combines articles aiming to gain a better understanding on different factors that determine whether people are successful or not in controlling computerized devices with brain signals. Since decades, technological advancements in neuroscience allow the interpretation of brain signals and their translation into control messages (Brain-computer interface (BCI)). Moreover, the control of brain signals can be used to induce changes in cognition and behavior (Neurofeedback (NF)). However, the break-through of this technology for the broad population in real-world applications has not yet arrived. Various factors have been related to the individual success in controlling computerized devices with brain signals, but to date, no general theoretical framework is available. In this Research Topic, aspects of the training protocol such as instructions, task and feedback as well as cognitive and psychological traits such as motivation, mood, locus of control and empathy are investigated as determinants of BCI or NF performance. Moreover, the mechanisms and networks involved in gaining and maintaining control over brain activity as well as its prediction are addressed. Finally, as the ultimate goal of this research is to use BCI and NF for communication or control and therapy, respectively, novel applications for individuals with disabilities or disorders are discussed.

The theory and practice of gardening - A.D. d'Argenville
The theory and practice of gardening: wherein is fully handled all that relates to fine gardens, commonly called pleasure-gardens, confiting of Parterres, Groves, Bowling-Green.

The Definitive Handbook of Business Continuity Management - Andrew Hiles 2008-07-31
How long would your business survive an interruption? What if operations were destroyed by fire or flood, negative media drives away customers or the company database is stolen or infected by a virus? How well are you prepared to deal with disaster? This comprehensive guide tells you why you need a plan and then will help you put one together, including fully updated, detailed glossary and additional examples from the USA, Australia and Europe. Clearly split into useful sections, the book is easy to navigate. The Definitive Handbook of Business Continuity

Management has been revised and updated to reflect new regulations and standards by one of the top international authorities in the field, this is an important book for anyone within the business continuity industry. Seven new chapters include coverage of: US Homeland Security measures relating to IT; UK Civil Contingencies Act relating to business continuity; NFP 16000 (US National Fire Prevention Association 1600 Business Continuity standard); British Standards Institution/Business Continuity Institute Publicly Available Standard 56 and other current and upcoming standards; Other emerging standards: Singapore standard for Disaster Recovery service providers, Australia & New Zealand standards; Pandemic planning With contributions from leading practitioners in the industry, The Definitive Handbook of Business Continuity Management has established itself as an invaluable resource for anyone involved in, or looking to gain a detailed appreciation of, the rapidly emerging area of business continuity and disaster recovery within the corporate environment.

ABC's of Antennas - Allan Lytel 1973

The New Corporate Climate Leadership - Edward Cameron 2021-12-06
This book provides a comprehensive treatment of the role of the private sector in accelerating the transition to a low-carbon, climate-resilient, and inclusive world. In the lead up to and since the historic Paris Agreement on climate change, more than 6,000 companies from 120 countries representing more than $36.5 trillion in revenue have made climate commitments. Examining this trend, The New Corporate Climate Leadership provides a clear synthesis of the relationship between the real economy and climate change and offers a state-of-the-art assessment of corporate initiatives that focus on greenhouse gas emissions reductions and the management of climate risk through enhanced resilience. It debates the relative merits of incremental and sequenced ambition versus radical systems change – including a critique of the prevailing capitalist approach to climate change – and provides an actionable guide to skills development for change-makers in the shift toward a low-carbon world. Drawing on perspectives from leading thinkers inside the private sector, across government, and within civil society to truly interrogate the scale, scope, and speed of progress, this book provides a clear vision for what the next generation of corporate climate leadership should look like. Optimistic in tone, this book will be of great interest to students, scholars, and practitioners of climate change and sustainable business.

An Easy Introduction to the Theory and Practice of Mechanics - Samuel Clark 1764

The Certified Software Quality Engineer Handbook - Linda Westfall 2016-09-23
A comprehensive reference manual to the Certified Software Quality Engineer Body of Knowledge and study guide for the CSQE exam.

Simplifying Risk Management - Patrick Roberts 2022-04-21
Recent decades have seen much greater attention paid to risk management at an organizational level, as evidenced by the proliferation of legislation, regulation, international standards and good practice guidance. The recent experience of Covid-19 has only served to heighten this attention. Growing interest in the discipline has been accompanied by significant growth in the risk management profession; but practitioners are not well served with suitable books to guide them in their work or challenge them in their professional development. This book attempts to place the practice of risk management within organizations into a broader context, looking as much at why we try to manage risk as how we try to manage risk. In doing so, it challenges two significant trends in the practice of risk management: • The treatment of risk management primarily as a compliance issue within an overall corporate governance narrative; and • The very widespread use of qualitative risk assessment tools ("heat maps" etc.) which have absolutely no proven effectiveness. Taken together, these trends have resulted in much attention being devoted to developing formalized systems for identifying and analyzing risks; but there is little evidence that this is driving practical, cost-effective efforts to actually manage

risk. There appears to be a preoccupation with the risks themselves, rather than a focus on the positive actions that can (and should) be taken to benefit stakeholders. This book outlines a simple, quantitative approach to risk management which refocuses attention on treating risks; and presents choices about risk treatment as normal business decisions.

Telephony - 1914

Emotional Terrors in the Workplace: Protecting Your Business' Bottom Line - Vali Hawkins Mitchell 2004-11
Annotation Reasonable variations of human emotions are expected at the workplace. People have feelings. Emotions that accumulate, collect force, expand in volume and begin to spin are another matter entirely. Spinning emotions can become as unmanageable as a tornado, and in the workplace they can cause just as much damage in terms of human distress and economic disruption. All people have emotions. Normal people and abnormal people have emotions. Emotions happen at home and at work. So, understanding how individuals or groups respond emotionally in a business situation is important in order to have a complete perspective of human beings in a business function. Different people have different sets of emotions. Some people let emotions roll off their back like water off a duck. Other people swallow emotions and hold them in until they become toxic waste that needs a disposal site. Some have small simple feelings and others have large, complicated emotions. Stresses of life tickle our emotions or act as fuses in a time bomb. Stress triggers emotion. Extreme stress complicates the wide range of varying emotional responses. Work is a stressor. Sometimes work is an extreme stressor. Since everyone has emotion, it is important to know what kinds of emotion are regular and what kinds are irregular, abnormal, or damaging within the business environment. To build a strong, well-grounded, value-added set of references for professional discussions and planning for Emotional Continuity Management a manager needs to know at least the basics about human emotion. Advanced knowledge is preferable. Emotional Continuity Management planning for emotions that come from the stress caused by changes inside business, from small adjustments to catastrophic upheavals, requires knowing emotional and humanity-based needs and functions of people and not just technology and performance data. Emergency and Disaster Continuity planners sometimes posit the questions,?What if during a disaster your computer is working, but no one shows up to use it? What if no one is working the computer because they are terrified to show up to a worksite devastated by an earthquake or bombing and they stay home to care for their children?? The Emotional Continuity Manager asks,?What if no one is coming or no one is producing even if they are at the site because they are grieving or anticipating the next wave of danger? What happens if employees are engaged in emotional combat with another employee through gossip, innuendo, or out-and-out verbal warfare? And what if the entire company is in turmoil because we have an Emotional Terrorist who is just driving everyone bonkers?" The answer is that, in terms of bottom-line thinking, productivity is productivity? and if your employees are not available because their emotions are not calibrated to your industry standards, then fiscal risks must be considered. Human compassion needs are important. And so is money. Employees today face the possibility of biological, nuclear, incendiary, chemical, explosive, or electronic catastrophe while potentially working in the same cubicle with someone ready to suicide over personal issues at home. They face rumors of downsizing and outsourcing while watching for anthrax amidst rumors that co-workers are having affairs. An employee coughs, someone jokes nervously about SARS, or teases a co-worker about their hamburger coming from a Mad Cow, someone laughs, someone worries, and productivity can falter as minds are not on tasks. Emotions run rampant in human lives and therefore at work sites. High-demand emotions demonstrated by complicated workplace relationships, time-consuming divorce proceedings, addiction behaviors, violence, illness, and death are common issues at work sites which people either manage well? or do not manage well. Low-demand emotions demonstrated by annoyances, petty bickering, competition, prejudice, bias, minor power struggles, health variables, politics and daily grind feelings take up mental space as well

as emotional space. It is reasonable to assume that dramatic effects from a terrorist attack, natural disaster, disgruntled employee shooting, or natural death at the work site would create emotional content. That content can be something that develops, evolves and resolves, or gathers speed and force like a tornado to become a spinning energy event with a life of its own. Even smaller events, such as a fully involved gossip chain or a computer upgrade can lead to the voluntary or involuntary exit of valuable employees. This can add energy to an emotional spin and translate into real risk features such as time loss, recruitment nightmares, disruptions in customer service, additional management hours, remediations and trainings, consultation fees, Employee Assistance Program (EAP) dollars spent, Human Resources (HR) time spent, administrative restructuring, and expensive and daunting litigations. Companies that prepare for the full range of emotions and therefore emotional risks, from annoyance to catastrophe, are better equipped to adjust to any emotionally charged event, small or large. It is never a question of if something will happen to disrupt the flow of productivity, it is only a question of when and how large. Emotions that ebb and flow are functional in the workplace. A healthy system should be able to manage the ups and downs of emotions. Emotions directly affect the continuity of production and services, customer and vendor relations and essential infrastructure. Unstable emotional infrastructure in the workplace disrupts business through such measurable costs as medical and mental health care, employee retention and retraining costs, time loss, or legal fees. Emotional Continuity Management is reasonably simple for managers when they are provided the justifiable concepts, empirical evidence that the risks are real, a set of correct tools and instructions in their use. What has not been easy until recently has been convincing the?powers that be? that it is value-added work to deal directly and procedurally with emotions in the workplace. Businesses haven?t seen emotions as part of the working technology and have done everything they can do to avoid the topic. Now, cutting-edge companies are turning the corner. Even technology continuity managers are talking about human resources benefits and scrambling to find ways to evaluate feelings and risks. Yes, times are changing. Making a case for policy to manage emotions is now getting easier. For all the pain and horror associated with the terrorist attacks of September 11, 2001, employers are getting the message that no one is immune to crisis. In today''s heightened security environments the demands of managing complex workplace emotions have increased beyond the normal training supplied by in-house Human Resources (HR) professionals and Employee Assistance Plans (EAPs). Many extremely well-meaning HR and EAP providers just do not have a necessary training to manage the complicated strata of extreme emotional responses. Emotions at work today go well beyond the former standards of HR and EAP training. HR and EAP providers now must have advanced trauma management training to be prepared to support employees. The days of easy emotional management are over. Life and work is much too complicated. Significant emotions from small to extreme are no longer the sole domain of HR, EAP, or even emergency first responders and counselors. Emotions are spinning in the very midst of your team, project, cubicle, and company. Emotions are not just at the scene of a disaster. Emotions are present. And because they are not?controllable,? human emotions are not subject to being mandated. Emotions are going to happen. There are many times when emotions cannot be simply outsourced to an external provider of services. There are many times that a manager will face an extreme emotional reaction. Distressed people will require management regularly. That?s your job.

Brain-Computer Interface Research - Christoph Guger 2017-08-21
This book presents compact and informative descriptions of the most promising new projects in brain-computer interface (BCI) research. As in earlier volumes in this series, the contributions come from many of the best-known groups in BCI research. Each of these chapters provides an overview of a project that was nominated for the most prestigious award in the BCI community: the Annual BCI Research Award. The book also contains an introduction and discussion with a review of major trends reflected in the awards. This volume also introduces a new type of contribution, namely a chapter"Trends in BCI Research" that summarizes

a top trend in the BCI research community. This year's "Trends in BCI Research" addresses BCI technology to help patients with disorders of consciousness (DOC) and related conditions, including new work that goes beyond communication to diagnosis and even prediction.

Brain-Computer Interfaces - Jonathan Wolpaw 2012-01-24
In the last 15 years, a recognizable surge in the field of Brain Computer Interface (BCI) research and development has emerged. This emergence has sprung from a variety of factors. For one, inexpensive computer hardware and software is now available and can support the complex high-speed analyses of brain activity that is essential is BCI. Another factor is the greater understanding of the central nervous system including the abundance of new information on the nature and functional correlates of brain signals and improved methods for recording these signals in both the short-term and long-term. And the third, and perhaps most significant factor, is the new recognition of the needs and abilities of people disabled by disorders such as cerebral palsy, spinal cord injury, stroke, amyotrophic lateral sclerosis (ALS), multiple sclerosis, and muscular dystrophies. The severely disabled are now able to live for many years and even those with severely limited voluntary muscle control can now be given the most basic means of communication and control because of the recent advances in the technology, research, and applications of BCI. This book is intended to provide an introduction to and summary of essentially all major aspects of BCI research and development. Its goal is to be a comprehensive, balanced, and coordinated presentation of the field's key principles, current practice, and future prospects.

Brain-Computer Interface Systems - Reza Fazel-Rezai 2013-06-05
Brain-Computer Interface (BCI) systems allow communication based on a direct electronic interface which conveys messages and commands directly from the human brain to a computer. In the recent years, attention to this new area of research and the number of publications discussing different paradigms, methods, signal processing algorithms, and applications have been increased dramatically. The objective of this book is to discuss recent progress and future prospects of BCI systems. The topics discussed in this book are: important issues concerning end-users; approaches to interconnect a BCI system with one or more applications; several advanced signal processing methods (i.e., adaptive network fuzzy inference systems, Bayesian sequential learning, fractal features and neural networks, autoregressive models of wavelet bases, hidden Markov models, equivalent current dipole source localization, and independent component analysis); review of hybrid and wireless techniques used in BCI systems; and applications of BCI systems in epilepsy treatment and emotion detections.

Pioneering Studies In Cognitive Neuroscience - Roche, Richard 2009-10-01
This edited collection presents seven recent studies in contemporary cognitive neuroscience which have come to be viewed as classic experiments. The contributing authors are renowned in their field for producing intelligent and innovative research, and together they cover each of the main sub-disciplines of cognitive neuroscience.

Southern California Edison's Eldorado-Ivanpah Transmission Line Project - 2010