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The Marked Ones
 Handbook of Research on Machine and Deep Learning Applications for Cyber Security
 Applications of Robotics in Industry Using Advanced Mechanisms
 Single Neuron Studies of the Human Brain
 The Atlantic Forest
 Gem Trails of Southern California
 Bayesian Approach to Inverse Problems
 A Manual of California Vegetation
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 Computational Intelligence Applications in Modeling and Control
 Explicit Biology - A Revision Course (3rd Edition)
 Deep Learning Applications, Volume 2
 Principles and Practice of Education
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 Machine Learning and Data Mining in Materials Science
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 Core-log Integration
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 The Canadian Wetland Classification System
 Coding Theory
 Plant Biodiversity Science in the Era of Artificial Intelligence
 Progresses in Artificial Intelligence and Neural Systems
 New Perspectives in Nigerian Education
 An Anthology of Informal Latin, 200 BC-AD 900
 The blinkards
 The Marine Life of Bootless Bay, Papua New Guinea

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COWAN VICTORIA

The Marked Ones Legare Street Press

Foundational studies of the activities of spiking neurons in the awake and behaving human brain and the insights they yield into cognitive and clinical phenomena. In the last decade, the synergistic interaction of neurosurgeons, engineers, and neuroscientists, combined with new technologies, has enabled scientists to study the awake, behaving human brain directly. These developments allow cognitive processes to be characterized at unprecedented resolution: single neuron activity. Direct observation of the human brain has already led to major insights into such aspects of brain function as perception, language, sleep, learning, memory, action, imagery, volition, and consciousness. In this volume, experts document the successes, challenges, and opportunity in an emerging field. The book presents methodological tutorials, with chapters on such topics as the surgical implantation of electrodes and data analysis techniques; describes novel insights into cognitive functions including memory, decision making, and visual imagery; and discusses insights into diseases such as epilepsy and movement disorders gained from examining single neuron activity. Finally, contributors consider future challenges, questions that are ripe for investigation, and exciting avenues for translational efforts. Contributors Ralph Adolphs, William S. Anderson, Arjun K. Bansal, Eric J. Behnke, Moran Cerf, Jonathan O. Dostrovsky, Emad N. Eskandar, Tony A. Fields, Itzhak Fried,

Hagar Gelbard-Sagiv, C. Rory Goodwin, Clement Hamani, Chris Heller, Mojgan Hodaie, Matthew Howard III, William D. Hutchison, Matias Ison, Hiroto Kawasaki, Christof Koch, Rüdiger Köhling, Gabriel Kreiman, Michel Le Van Quyen, Frederick A. Lenz, Andres M. Lozano, Adam N. Mamelak, Clarissa Martinez-Rubio, Florian Mormann, Yuval Nir, George Ojemann, Shaun R. Patel, Sanjay Patra, Linda Philpott, Rodrigo Quian Quiroga, Ian Ross, Ueli Rutishauser, Andreas Schulze-Bonhage, Erin M. Schuman, Demetrio Sierra-Mercado, Richard J. Staba, Nanthia Suthana, William Sutherling, Travis S. Tierney, Giulio Tononi, Oana Tudusciuc, Charles L. Wilson

Handbook of Research on Machine and Deep Learning Applications for Cyber Security MIT Press

Now in its third edition, this classic text remains the seminal resource for in-depth information about major concepts and principles of the cultural-historical theory developed by Lev Vygotsky, his students, and colleagues, as well as three generations of neo-Vygotskian scholars in Russia and the West. Featuring two new chapters on brain development and scaffolding in the zone of proximal development, as well as additional content on technology, dual language learners, and students with disabilities, this new edition provides the latest research evidence supporting the basics of the cultural-historical approach alongside Vygotskian-based practical implications. With concrete explanations and strategies on how to scaffold young children's learning and development, this book is essential reading for students of early childhood theory and development.

Applications of Robotics in Industry Using Advanced Mechanisms Cambridge University Press

This work has been selected by scholars as being culturally important, and is part of the knowledge base of civilization as we know it. This work is in

the "public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

Single Neuron Studies of the Human Brain Springer Nature

A classification system for Canadian wetlands based on the collective expertise and research of scientists across Canada. The system is provisional and subject to revision in future editions.

The Atlantic Forest Cambridge University Press

This Element provides a comprehensive introduction to philosophy of neuroscience. It covers such topics as how neuroscientists procure knowledge, including not just research techniques but the use of various model organisms. It presents examples of knowledge acquired in neuroscience that are then employed to discuss more philosophical topics such as the nature of explanations developed in neuroscience, the different conception of levels employed in discussions of neuroscience, and the invocation of representations in neuroscience explanations. The text emphasizes the importance of brain processes beyond those in the neocortex and then explores what makes processing in neocortex different. It considers the view that the nervous system consists of control mechanisms and considers arguments for hierarchical vs. heterarchical organization of control mechanisms. It concludes by considering implications of findings in neuroscience for how humans conceive of themselves and practices such as embracing norms.

Gem Trails of Southern California Springer Nature

The WHO Regional Office for Europe has combined its 13 protocols on treatment of and care for people with HIV and AIDS in one volume. The protocols are the cornerstone of the strategic actions that WHO has taken as part of its contribution to achieving the goal of universal access to HIV/AIDS prevention, treatment, care and support services. The protocols were specifically developed for the entire WHO European Region. Together, they represent a comprehensive and evidence-based tool that offers health professionals clear and specific advice on diagnosing and managing a wide range of health issues related to HIV/AIDS for adults, adolescents and children, including antiretroviral treatment, the management of opportunistic infections, tuberculosis, hepatitis, injecting drug use, sexual and reproductive health, the prevention of mother-to-child HIV transmission, immunization, palliative care and post-exposure prophylaxis. [Ed.]

Bayesian Approach to Inverse Problems Springer

This book provides an overview of the current advances in artificial intelligence and neural nets. Artificial intelligence (AI) methods have shown great capabilities in modelling, prediction and recognition tasks supporting human-machine interaction. At the same time, the issue of emotion has gained increasing attention due to its relevance in achieving human-like interaction with machines. The real challenge is taking advantage of the emotional characterization of humans' interactions to make computers interfacing with them emotionally and socially credible. The book assesses how and to what extent current sophisticated computational intelligence tools might support the multidisciplinary research on the characterization of appropriate system reactions to human emotions and expressions in interactive scenarios. Discussing the latest recent research trends, innovative approaches and future challenges in AI from interdisciplinary perspectives, it is a valuable resource for researchers and practitioners in academia and industry.

A Manual of California Vegetation John Wiley & Sons

This book constitutes the refereed proceedings of the IFIP TC 5, WG 8.4, 8.9, 12.9 International Cross-Domain Conference for Machine Learning and Knowledge Extraction, CD-MAKE 2018, held in Hamburg, Germany, in September 2018. The 25 revised full papers presented were carefully reviewed and selected from 45 submissions. The papers are clustered under the following topical sections: MAKE-Main Track, MAKE-Text, MAKE-Smart Factory, MAKE-Topology, and MAKE Explainable AI.

Medical Image Analysis Academic Press

This is an African retelling of Euripides: an unnervingly topical story of a people and a beloved city destroyed by the brutality of war. The play was first performed in Lagos in 2003 under the distinguished director Chuck Mike, and subsequently toured the UK.

Maximum Entropy and Bayesian Methods Springer Nature

This is a book on one of the most fascinating and controversial areas in contemporary science of carbon, chemistry, and materials science. It concisely summarizes the state of the art in topical and critical reviews written by professionals in this and related fields.

Diseases of Tropical Fruit Crops CreateSpace

The development of computational intelligence (CI) systems was inspired by observable and imitable aspects of intelligent activity of human being and nature. The essence of the systems based on computational intelligence is to process and interpret data of various nature so that that CI is strictly connected with the increase of available data as well as capabilities of their processing, mutually supportive factors. Developed theories of computational intelligence were quickly applied in many fields of engineering, data analysis, forecasting, biomedicine and others. They are used in images and sounds processing and identifying, signals processing, multidimensional data visualization, steering of objects, analysis of lexicographic data, requesting systems in banking, diagnostic systems, expert systems and many other practical implementations. This book consists of 16 contributed chapters by subject experts who are specialized in the various topics addressed in this book. The special chapters have been brought out in the broad areas of Control Systems, Power Electronics, Computer Science, Information Technology, modeling and engineering applications. Special importance was given to chapters offering practical solutions and novel methods for the recent research problems in the main areas of this book, viz. Control Systems, Modeling, Computer Science, IT and engineering applications. This book will serve as a reference book for graduate students and researchers with a basic knowledge of control theory, computer science and soft-computing techniques. The resulting design procedures are emphasized using Matlab/Simulink software.

Tools of the Mind Springer

This volume addresses some of the problems of core-log integration encountered by scientists and engineers from both industry and academia. Core and log measurements provide crucial information about subsurface formations. Their usage, either for integration or calibration, is complicated by

the different measurement methods employed, different volumes of formation analysed and, in turn, the heterogeneity of the formations. While the problems of comparing core and log data are only too well known, the way in which these data can be most efficiently combined is not at all clear in most cases. In recent years there has been increased interest in this problem, both in industry and academia, due to developments in technology which offer access to new types of information and, in the case of industry, pressure for improved reservoir models and hydrocarbon recovery. The application of new numerical methods for analysing and modelling core and log data, the availability of core scanning facilities, and novel core measurements in both two and three dimensions, currently provide a framework for the development of new and exciting approaches to core-log integration. The contributions within Core-Log Integration geologically range from hydrocarbon-bearing sediments in the North Sea to the volcanic rocks that form the upper part of the oceanic crust.

Explainable AI: Interpreting, Explaining and Visualizing Deep Learning Springer Nature

Medical Image Analysis presents practical knowledge on medical image computing and analysis as written by top educators and experts. This text is a modern, practical, self-contained reference that conveys a mix of fundamental methodological concepts within different medical domains. Sections cover core representations and properties of digital images and image enhancement techniques, advanced image computing methods (including segmentation, registration, motion and shape analysis), machine learning, how medical image computing (MIC) is used in clinical and medical research, and how to identify alternative strategies and employ software tools to solve typical problems in MIC. - An authoritative presentation of key concepts and methods from experts in the field - Sections clearly explaining key methodological principles within relevant medical applications - Self-contained chapters enable the text to be used on courses with differing structures - A representative selection of modern topics and techniques in medical image computing - Focus on medical image computing as an enabling technology to tackle unmet clinical needs - Presentation of traditional and machine learning approaches to medical image computing

Computational Intelligence Applications in Modeling and Control Springer

This book presents selected papers from the 18th IEEE International Conference on Machine Learning and Applications (IEEE ICMLA 2019). It focuses on deep learning networks and their application in domains such as healthcare, security and threat detection, fault diagnosis and accident analysis, and robotic control in industrial environments, and highlights novel ways of using deep neural networks to solve real-world problems. Also offering insights into deep learning architectures and algorithms, it is an essential reference guide for academic researchers, professionals, software engineers in industry, and innovative product developers.

Explicit Biology - A Revision Course (3rd Edition) Geological Society Publishing House

Mermaids have three purposes in life: to breed, to protect their environment and to keep the knowledge of their existence limited to pages in fairytale books. Ivyanne Court is the personification of a mermaid princess and yet she hasn't known a day's happiness since she came of age and was forced to abandon the human boy she loved, Lincoln Grey. Ivyanne has always known that she was to marry one of The Marked Ones; sons of a carefully cultivated bloodline created for the sole purpose of breeding with the royal family, but when Ivyanne returns to the Seaview Resort to live and work as a human while she chooses a merman mate, she is startled to learn that her human, Lincoln, has never left the Seaview. In fact, he is now the owner, and he has been waiting a decade for her return- to tempt the most untouchable girl in the world. But he's not the only one who won't take forbidden as an answer, and so Ivyanne's peaceful escape from palace life is about to become a wonderful nightmare of oceanic proportions!

Deep Learning Applications, Volume 2 CABI

Cardiac surgical procedures are among the most common and most complicated forms of surgery worldwide and the postoperative period is characterized by complex challenges. Among the factors determining ultimate clinical outcome, postoperative critical care is of major importance. This book adopts a clinical approach in explaining and analyzing the course of clinical care in patients undergoing cardiac surgery. Since the postoperative clinical status is directly influenced by preoperative and intraoperative factors, the early chapters briefly examine preoperative issues and the intraoperative course of cardiac surgery, with particular attention to anesthesia and the process of cardiopulmonary bypass. Subsequent chapters primarily address the critical care of patients by means of an organ-oriented approach, which will enable the reader to use the text as a "cookbook" of cardiac intensive care. This book is intended for use in daily practice by cardiac surgeons, cardiac anesthesiologists, intensivists and cardiac intensive care nurses.

Principles and Practice of Education Springer Science & Business Media

Annotation. Comprehensive information on diseases of the most important tropical fruit crops Chapters are devoted to a single or, in some cases, a related group of host plants The history, distribution, importance, symptoms, aetiology, epidemiology and management of diseases of each crop are described in detail This book offers a comprehensive review of diseases of important tropical and some subtropical fruit crops. The history, distribution, importance, etiology, epidemiology and control of diseases of each host crop are covered, along with brief summaries on the taxonomy, origins and characteristics of each host. Additional information is given on the biology and pathology of the causal agents and on new advances that change or otherwise enhance our understanding of the nature and cause of these diseases. Plant pathologists, plantation and nursery managers, lecturers and those who are involved in tropical agriculture and horticulture will find this an essential reference.

Management of Chronic Kidney Disease Frontiers Media SA

Detailed maps and descriptive text lead the rock-hound to over 70 of the best sites from San Luis Obispo to the Mexican border.

Women of Owu Taylor & Francis

The seven-volume set LNCS 12261, 12262, 12263, 12264, 12265, 12266, and 12267 constitutes the refereed proceedings of the 23rd International Conference on Medical Image Computing and Computer-Assisted Intervention, MICCAI 2020, held in Lima, Peru, in October 2020. The conference was held virtually due to the COVID-19 pandemic. The 542 revised full papers presented were carefully reviewed and selected from 1809 submissions in a double-blind review process. The papers are organized in the following topical sections: Part I: machine learning methodologies Part II: image reconstruction; prediction and diagnosis; cross-domain methods and reconstruction; domain adaptation; machine learning applications; generative adversarial networks Part III: CAI applications; image registration; instrumentation and surgical phase detection; navigation and visualization;

ultrasound imaging; video image analysis Part IV: segmentation; shape models and landmark detection Part V: biological, optical, microscopic imaging; cell segmentation and stain normalization; histopathology image analysis; ophthalmology Part VI: angiography and vessel analysis; breast imaging; colonoscopy; dermatology; fetal imaging; heart and lung imaging; musculoskeletal imaging Part VI: brain development and atlases; DWI and tractography; functional brain networks; neuroimaging; positron emission tomography

Machine Learning and Data Mining in Materials Science Springer Science & Business Media

This book contains over fifty passages of Latin from 200 BC to AD 900, each with translation and linguistic commentary. It is not intended as an

elementary reader (though suitable for university courses), but as an illustrative history of Latin covering more than a millennium, with almost every century represented. Conventional histories cite constructions out of context, whereas this work gives a sense of the period, genre, stylistic aims and idiosyncrasies of specific passages. 'Informal' texts, particularly if they portray talk, reflect linguistic variety and change better than texts adhering to classicising norms. Some of the texts are recent discoveries or little known. Writing tablets are well represented, as are literary and technical texts down to the early medieval period, when striking changes appear. The commentaries identify innovations, discontinuities and phenomena of long duration. Readers will learn much about the diversity and development of Latin.

Best Sellers - Books :

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- [If Animals Kissed Good Night By Ann Whitford Paul](#)
- [The Creative Act: A Way Of Being](#)
- [Saved: A War Reporter's Mission To Make It Home](#)
- [The Democrat Party Hates America](#)
- [Never Lie: An Addictive Psychological Thriller By Freida Mcfadden](#)
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- [My Butt Is So Christmassy! By Dawn Mcmillan](#)
- [Harry Potter Paperback Box Set \(books 1-7\) By J. K. Rowling](#)
- [Feel-good Productivity: How To Do More Of What Matters To You By Ali Abdaal](#)