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DARPA Technical Accomplishments - Sidney G. Reed 1990

Mining the Social Web - Matthew Russell 2011-01-21
Provides information on data analysis from a vareity of social networking sites, including Facebook, Twitter, and LinkedIn.

Digital Entrepreneurship - Mariusz Soltanifar 2020-11-13

This open access book explores the global challenges and experiences related to digital entrepreneurial activities, using carefully selected examples from leading companies and economies that shape world business today and tomorrow. Digital entrepreneurship and the companies steering it have an enormous global impact; they promise to transform the

business world and change the way we communicate with each other. These companies use digitalization and artificial intelligence to enhance the quality of decisions and augment their business and customer operations. This book demonstrates how cloud services are continuing to evolve; how cryptocurrencies are traded in the banking industry; how platforms are created to commercialize business, and how, taken together, these developments provide new opportunities in the digitalized era. Further, it discusses a wide range of digital factors changing the way businesses operate, including artificial intelligence, chatbots, voice search, augmented and virtual reality, as well as cyber threats and data privacy management. "Digitalization mirrors the Industrial Revolution's impact. This book provides a complement of perspectives on the opportunities emanating from such a deep seated change in our economy. It is a comprehensive collection of

thought leadership mapped into a very useful framework. Scholars, digital entrepreneurs and practitioners will benefit from this timely work." Gina O'Connor, Professor of Innovation Management at Babson College, USA "This book defines and delineates the requirements for companies to enable their businesses to succeed in a post-COVID19 world. This book deftly examines how to accomplish and achieve digital entrepreneurship by leveraging cloud computing, AI, IoT and other critical technologies. This is truly a unique "must-read" book because it goes beyond theory and provides practical examples." Charlie Isaacs, CTO of Customer Connection at Salesforce.com, USA "This book provides digital entrepreneurs useful guidance identifying, validating and building their venture. The international authors developed new perspectives on digital entrepreneurship that can support to create impact ventures." Felix Staeritz, CEO FoundersLane, Member of the

World Economic Forum Digital Leaders Board and bestselling author of FightBack, Germany
Handbook of Mental Health and Aging - Nathan Hantke
2020-04-11

The Handbook of Mental Health and Aging, Third Edition provides a foundational background for practitioners and researchers to understand mental health care in older adults as presented by leading experts in the field. Wherever possible, chapters integrate research into clinical practice. The book opens with conceptual factors, such as the epidemiology of mental health disorders in aging and cultural factors that impact mental health. The book transitions into neurobiological-based topics such as biomarkers, age-related structural changes in the brain, and current models of accelerated aging in mental health. Clinical topics include dementia, neuropsychology, psychotherapy, psychopharmacology, mood disorders, anxiety, schizophrenia, sleep disorders, and substance abuse. The book

closes with current and future trends in geriatric mental health, including the brain functional connectome, repetitive transcranial magnetic stimulation (rTMS), technology-based interventions, and treatment innovations. Identifies factors influencing mental health in older adults Includes biological, sociological, and psychological factors Reviews epidemiology of different mental health disorders Supplies separate chapters on grief, schizophrenia, mood, anxiety, and sleep disorders Discusses biomarkers and genetics of mental health and aging Provides assessment and treatment approaches

Advances and Applications Through Fungal

Nanobiotechnology - Ram Prasad 2016-11-08

Fungal nanobiotechnology has emerged as one of the key technologies, and an eco-friendly, as a source of food and harnessed to ferment and preserve foods and beverages, as well as applications in human health (antibiotics, anti-

cholesterol statins, and immunosuppressive agents), while industry has used fungi for large-scale production of enzymes, acids, biosurfactants, and to manage fungal disease in crops and pest control. With the harnessing of nanotechnology, fungi have grown increasingly important by providing a greener alternative to chemically synthesized nanoparticles.

Interpreting Data in Senior Physics - Grahame Dobinson 2010

Digital Marketplaces Unleashed - Claudia Linnhoff-Popien 2017-09-14

This collection of different views on how digitalization is influencing various industrial sectors addresses essential topics like big data and analytics, fintech and insuretech, cloud and mobility technologies, disruption and entrepreneurship. The technological advances of the 21st century have been massively impacted by the digital upheaval: there is no future without digitalization.

The sale of products and services has left the classical point of sale and now takes place on a variety of channels. Whether in the automotive industry, travel and traffic, in cities, or the financial industry - newly designed ecosystems are being created everywhere; data is being generated and analyzed in real time; and companies are competing for mobile access channels to customers in order to gain knowledge about their individual contexts and preferences. In turn, customers can now publicly share their opinions, experiences and knowledge as User Generated Content, allowing them to impact the market and empowering them to build or destroy trust.

Borderlands - Gloria Anzaldúa 1987

Second edition of Gloria Anzaldúa's major work, with a new critical introduction by Chicano Studies scholar and new reflections by Anzaldúa.

Intellectual property rights in an age of electronics and information - 1986

Standard Cell Calibrations -
Bruce F. Field 1987

Aerodynamics of V/STOL

Flight - Barnes Warnock
McCormick 1999-01-01

An extremely practical overview of V/STOL (vertical/short takeoff and landing) aerodynamics, this volume offers a presentation of general theoretical and applied aerodynamic principles, covering propeller and helicopter rotor theory for both the static and forward flight cases. Both a text for students and a reference for professionals, the book can be used for advanced undergraduate or graduate courses. Numerous detailed figures, plus exercises. 1967 edition. Preface. Appendix. Index.

Conjugated Polymers - John R. Reynolds 2019-03-25

This book covers properties, processing, and applications of conducting polymers. It discusses properties and characterization, including photophysics and transport. It then moves to processing and

morphology of conducting polymers, covering such topics as printing, thermal processing, morphology evolution, conducting polymer composites, thin films

Artificial Intelligence and Internet of Things for

Renewable Energy Systems -

Neeraj Priyadarshi 2021-11-22

This book explains the application of Artificial Intelligence and Internet of Things on green energy systems. The design of smart grids and intelligent networks enhances energy efficiency, while the collection of environmental data through sensors and their prediction through machine learning models improve the reliability of green energy systems.

Failure Analysis - Marius Bazu
2011-03-08

Failure analysis is the preferred method to investigate product or process reliability and to ensure optimum performance of electrical components and systems. The physics-of-failure approach is the only internationally accepted

solution for continuously improving the reliability of materials, devices and processes. The models have been developed from the physical and chemical phenomena that are responsible for degradation or failure of electronic components and materials and now replace popular distribution models for failure mechanisms such as Weibull or lognormal. Reliability engineers need practical orientation around the complex procedures involved in failure analysis. This guide acts as a tool for all advanced techniques, their benefits and vital aspects of their use in a reliability programme. Using twelve complex case studies, the authors explain why failure analysis should be used with electronic components, when implementation is appropriate and methods for its successful use. Inside you will find detailed coverage on: a synergistic approach to failure modes and mechanisms, along with reliability physics and the failure analysis of materials,

emphasizing the vital importance of cooperation between a product development team involved the reasons why failure analysis is an important tool for improving yield and reliability by corrective actions the design stage, highlighting the 'concurrent engineering' approach and DfR (Design for Reliability) failure analysis during fabrication, covering reliability monitoring, process monitors and package reliability reliability resting after fabrication, including reliability assessment at this stage and corrective actions a large variety of methods, such as electrical methods, thermal methods, optical methods, electron microscopy, mechanical methods, X-Ray methods, spectroscopic, acoustical, and laser methods new challenges in reliability testing, such as its use in microsystems and nanostructures This practical yet comprehensive reference is useful for manufacturers and engineers involved in the design, fabrication and testing

of electronic components, devices, ICs and electronic systems, as well as for users of components in complex systems wanting to discover the roots of the reliability flaws for their products.

Consolidated Guidelines on the Use of Antiretroviral Drugs for Treating and Preventing HIV Infection - World Health Organization 2016

These guidelines provide guidance on the diagnosis of human immunodeficiency virus (HIV) infection, the use of antiretroviral (ARV) drugs for treating and preventing HIV infection and the care of people living with HIV. They are structured along the continuum of HIV testing, prevention, treatment and care. This edition updates the 2013 consolidated guidelines on the use of antiretroviral drugs following an extensive review of evidence and consultations in mid-2015, shared at the end of 2015, and now published in full in 2016. It is being published in a changing global context for HIV and for health more broadly.

Curating Research Data -

Lisa R. Johnston 2016-11-01

Data are becoming the proverbial coin of the digital realm: a research commodity that might purchase reputation credit in a disciplinary culture of data sharing, or buy transparency when faced with funding agency mandates or publisher scrutiny. Unlike most monetary systems, however, digital data can flow in all too great an abundance. Not only does this currency actually grow on trees, but it comes from animals, books, thoughts, and each of us! And that is what makes data curation so essential. The abundance of digital research data challenges library and information science professionals to harness this flow of information streaming from research discovery and scholarly pursuit and preserve the unique evidence for future use. Volume One of Curating Research Data explores the variety of reasons, motivations, and drivers for why data curation services are needed in the context of academic and

disciplinary data repository efforts. Twelve chapters, divided into three parts, take an in-depth look at the complex practice of data curation as it emerges around us. Part I sets the stage for data curation by describing current policies, data sharing cultures, and collaborative efforts currently underway that impact potential services. Part II brings several key issues, such as cost recovery and marketing strategy, into focus for practitioners when considering how to put data curation services in action. Finally, Part III describes the full lifecycle of data by examining the ethical and practical reuse issues that data curation practitioners must consider as we strive to prepare data for the future. Digital data is ubiquitous and rapidly reshaping how scholarship progresses now and into the future. The information expertise of librarians can help ensure the resiliency of digital data, and the information it represents, by addressing how the meaning, integrity, and

provenance of digital data generated by researchers today will be captured and conveyed to future researchers.

Polymer Science and Technology - Robert O.

Ebewele 2000-03-23

Your search for the perfect polymers textbook ends here - with Polymer Science and Technology. By incorporating an innovative approach and consolidating in one volume the fundamentals currently covered piecemeal in several books, this efficient text simplifies the learning of polymer science. The book is divided into three main sections: polymer fundamentals; polymer formation and conversion into useful articles; and polymer properties and applications. Polymer Science and Technology emphasizes the basic, qualitative understanding of the concepts rather than rote memorization or detailed mathematical analysis. Since the book focuses on the ultimate property of the finished product, it minimizes laborious

descriptions of experimental procedures used for the characterization of polymers. Instead, the author highlights how the various stages involved in the production of the finished product influence its properties. Well-organized, clear-cut, and user-friendly, Polymer Science and Technology is an outstanding textbook for teaching junior and senior level undergraduates and first year graduate students in an introductory course covering the challenging subject of polymers.

Marine Electrical Technology, 4/e H/C - Elstan A Fernandez 2004-08-17

The Book has been thoroughly revised, keeping in mind the rapid technological advances in this mammoth industry and also the feedback received from various quarters.

Relevant extracts from current SOLAS, IACS, Lloyd's Register, DNV and ABS Rules, have been included with permission.

However, these must be used only for academic purposes. Relevant current documents

onboard ships must be referred to, for the purpose of complying with Classification Societies' and other Statutory Requirements.

Polypropylene Handbook - József Karger-Kocsis 2019-03-18

This book extensively reviews Polypropylene (PP), the second most widely produced thermoplastic material, having been produced for over 60 years. Its synthesis, processing and application are still accompanied by vigorous R&D developments because the properties of PP are at the borderline between those of commodity and engineering thermoplastics. Readers are introduced to various tacticities and polymorphs of PP, and their effects on structural properties. Further, the book addresses the control of optical properties using nucleants, provides strategies for overcoming the limited cold/impact resistance of PP, examines in detail the effects of recycling, and presents guidelines for the property modification of PPs through

foaming, filling and reinforcing with respect to target applications. Special attention is paid to descriptions and models of properties as a function of morphological variables. Last but not least, the book suggests potential practical applications of PP-based systems, especially in the packaging, appliances, building/construction, textile and automotive sectors. Each chapter, written by internationally respected scientists, reflects the current state-of-art in the respective field and offers a vital source of information for students, researchers and engineers interested in the morphology, properties, testing and modeling of PP and PP-based systems. The content is indispensable to the appropriate application of PPs and related composites.

Advances in Emerging Trends and Technologies - Miguel Botto-Tobar 2019-10-18
This book constitutes the proceedings of the 1st International Conference on Advances in Emerging Trends

and Technologies (ICAETT 2019), held in Quito, Ecuador, on 29–31 May 2019, jointly organized by Universidad Tecnológica Israel, Universidad Técnica del Norte, and Instituto Tecnológico Superior Rumiñahui, and supported by SNOTRA. ICAETT 2019 brought together top researchers and practitioners working in different domains of computer science to share their expertise and to discuss future developments and potential collaborations. Presenting high-quality, peer-reviewed papers, the book discusses the following topics: Technology Trends Electronics Intelligent Systems Machine Vision Communication Security e-Learning e-Business e-Government and e-Participation

World Congress on Medical Physics and Biomedical Engineering 2018 - Lenka Lhotska 2018-05-29

This book (vol. 1) presents the proceedings of the IUPESM World Congress on Biomedical Engineering and Medical Physics, a triennially organized

joint meeting of medical physicists, biomedical engineers and adjoining health care professionals. Besides the purely scientific and technological topics, the 2018 Congress will also focus on other aspects of professional involvement in health care, such as education and training, accreditation and certification, health technology assessment and patient safety. The IUPESM meeting is an important forum for medical physicists and biomedical engineers in medicine and healthcare learn and share knowledge, and discuss the latest research outcomes and technological advancements as well as new ideas in both medical physics and biomedical engineering field.

Deep Brain Stimulation Think Tank: Updates in Neurotechnology and Neuromodulation Research - Michael S. Okun 2021-12-02

Nutrition and Eye Health - John Lawrenson 2020-01-03
Blindness and visual impairment impact

significantly on an individual's physical and mental well-being. Loss of vision is a global health problem, with approximately 250 million of the world's population currently living with vision loss, of which 36 million are classified as blind. Visual impairment is more frequent in the elderly, with cataract and age-related macular degeneration (AMD) accounting for over 50% of cases globally. Oxidative stress has been strongly implicated in the pathogenesis of both conditions, and consequently the role of nutritional factors, in particular carotenoids and micronutrient antioxidants, have been investigated as possible preventative or therapeutic strategies. Dry eye syndrome (DES) is one of the most common ophthalmic conditions in the world. DES occurs where the eye does not produce enough tears and/or the tears evaporate too quickly leading to discomfort and varying degrees of visual disturbance. There has recently been a great deal of interest in the potential for oral or topical

supplementation with essential fatty acids (EFAs), specifically omega-3 and omega-6 fatty acids, as an adjunct to conventional treatments for DES. The objective of this Special Issue on 'Nutrition and Eye Health' is to publish papers describing the role of nutrition in maintaining eye health and the use of nutritional interventions to prevent or treat ocular disease. A particular (but not exclusive) emphasis will be on papers (reviews and/or clinical or experimental studies) relating to cataract, AMD and DES.

SAP Performance Optimization Guide - Thomas Schneider
2018-01-28

Hippocampal Microcircuits - Vassilis Cutsuridis 2019-02-04
This is the 2nd edition of a very well received and popular book that reflects the current state-of-the-art of the ongoing research avenues concerning the hippocampus and processing units bridging the gap between single cell activity, network activity and global brain function. It aims to

provide a methodology to anyone interested in developing microcircuit level models of the hippocampus. The book is divided into two thematic areas: (I) Experimental background and (II) Computational analysis. In part I, leading experimental neuroscientists discuss the morphological, physiological and molecular characteristics as well as the connectivity and synaptic properties of the various cell types found in the hippocampus. Behaviour-related ensemble activity patterns of morphologically identified neurons in anesthetized and freely moving animals provide insights on the function of the hippocampal areas. In part II, computational neuroscientists present models of the hippocampal microcircuits at various levels of detail (e.g. single cell level, network level, etc.). Synaptomics and connectomics models of hippocampal structures are initially discussed. Then, network models of memory, rhythm generation and spatial

navigation are presented, followed by abstract and biophysical models of synaptic plasticity. Network models of hippocampal implicated disorders (epilepsy and schizophrenia) are then detailed and how their network topologies, connectivities and activities change in these diseases. Finally, two chapters are dedicated to describing simulator environments of single neurons and networks currently used by computational neuroscientists in developing their models and modelling tools to parametrically constrain them. This engaging volume is invaluable to experimental and computational neuroscientists, electrical engineers, physicists, mathematicians and others interested in developing microcircuit models of the hippocampus. Graduate level students and trainees in all of these fields can find this book a significant source of information.

Electronic Inventions and Discoveries - G. W. A.

Dummer 2013-10-22

Electronic Inventions and Discoveries: Electronics from Its Earliest Beginnings to the Present Day provides a summary of the development of the whole field of electronics. Organized into 13 chapters, the book covers and reviews the history of electronics as a whole and its aspects. The opening chapter covers the beginnings of electronics, while the next chapter discusses the development of components, transistors, and integrated circuits. The third chapter tackles the expansion of electronics and its effects on industry. The succeeding chapters discuss the history of the aspects of electronics, such as audio and sound reproduction, radio and telecommunications, radar, television, computers, robotics, information technology, and industrial and other applications. Chapter 10 provides a lists of electronic inventions according to subject, while Chapter 11 provides a concise description of each invention by date order. Chapter 12 enumerates

the inventors of electronic devices. The last chapter provides a list of books about inventions and inventors. This book will appeal to readers who are curious about the development of electronics throughout history.

Electric Power Transformer Engineering - James H. Harlow
2003-08-15

Covering the fundamental theory of electric power transformers, this book provides the background required to understand the basic operation of electromagnetic induction as applied to transformers. The book is divided into three fundamental groupings: one stand-alone chapter is devoted to Theory and Principles, nine chapters individually treat major

Readings in Database Systems
- Joseph M. Hellerstein 2005

The latest edition of a popular text and reference on database research, with substantial new material and revision; covers classical literature and recent hot topics. Lessons from database research have been

applied in academic fields ranging from bioinformatics to next-generation Internet architecture and in industrial uses including Web-based e-commerce and search engines. The core ideas in the field have become increasingly influential. This text provides both students and professionals with a grounding in database research and a technical context for understanding recent innovations in the field. The readings included treat the most important issues in the database area--the basic material for any DBMS professional. This fourth edition has been substantially updated and revised, with 21 of the 48 papers new to the edition, four of them published for the first time. Many of the sections have been newly organized, and each section includes a new or substantially revised introduction that discusses the context, motivation, and controversies in a particular area, placing it in the broader perspective of database research. Two introductory articles, never

before published, provide an organized, current introduction to basic knowledge of the field; one discusses the history of data models and query languages and the other offers an architectural overview of a database system. The remaining articles range from the classical literature on database research to treatments of current hot topics, including a paper on search engine architecture and a paper on application servers, both written expressly for this edition. The result is a collection of papers that are seminal and also accessible to a reader who has a basic familiarity with database systems.

Neuronal Dynamics -

Wulfram Gerstner 2014-07-24

This solid introduction uses the principles of physics and the tools of mathematics to approach fundamental questions of neuroscience.

Harrod's Librarians' Glossary and Reference

Book - Ray Prytherch

2012-10-01

Listing over 10,000 entries,

Harrod's Librarians' Glossary and Reference Book spans everything from traditional printing terms to search engines and from book formats to URLs. Revisions for this tenth edition have centred in particular on the Information Society and its ramifications, on the general shift towards electronic resources, and on e-commerce, e-learning and e-government, whilst at the same time maintaining key areas predating the IT revolution. Web terminology, URLs and IT terms have been checked and updated, and coverage of terms relating to digitization and digital resources, portals, multimedia and electronic products has been revised or expanded as necessary.

Harrod's Glossary now includes Knowledge Management terms, and this edition has also focused on developments in the field of intellectual property, copyright, patents, privacy and piracy. It gives wide international coverage of names, addresses and URLs of major libraries and other important organizations in the

information sector, of professional associations, fellowships, networks, government bodies, projects and programmes, consortia and institutions, influential reports and other key publications. Entries are included on classification and file coding, on records management and archiving and on both the latest and the most enduring aspects of library and information skills. Even with the Web at your fingertips Harrod's Librarians' Glossary and Reference Book remains a quicker reference for explaining specialist terms, jargon and acronyms, and for finding the URLs you need, whether you are working in a print-based or digital library, in archiving, records management, conservation, bookselling or publishing.

Bygone Days in Chicago -
Frederick Francis Cook 1910

Implantable Sensors and Systems - Guang-Zhong Yang
2018-03-27

Implantable sensing, whether used for transient or long-term

monitoring of in vivo physiological, bio-electrical, bio-chemical and metabolic changes, is a rapidly advancing field of research and development. Underpinned by increasingly small, smart and energy efficient designs, they become an integral part of surgical prostheses or implants for both acute and chronic conditions, supporting optimised, context aware sensing, feedback, or stimulation with due consideration of system level impact. From sensor design, fabrication, on-node processing with application specific integrated circuits, to power optimisation, wireless data paths and security, this book provides a detailed explanation of both the theories and practical considerations of developing novel implantable sensors. Other topics covered by the book include sensor embodiment and flexible electronics, implantable optical sensors and power harvesting. *Implantable Sensors and Systems - from Theory to Practice* is an important

reference for those working in the field of medical devices. The structure of the book is carefully prepared so that it can also be used as an introductory reference for those about to enter into this exciting research and developing field.

Living Machines - Tony J. Prescott 2018

Contemporary research in the field of robotics attempts to harness the versatility and sustainability of living organisms with the hope of rendering a renewable, adaptable, and robust class of technology that can facilitate self-repairing, social, and moral-even conscious-machines. This landmark volume surveys this flourishing area of research.

Ethnic and Vernacular Music, 1898-1960 - Paul Vernon 1995

A seminal work providing detailed information for ethnic and vernacular recordings from many countries on 78rpm, facilitating further research on a sadly neglected topic.

Fundamentals of Multimedia -

Ze-Nian Li 2014-04-09

This textbook introduces the “Fundamentals of Multimedia”, addressing real issues commonly faced in the workplace. The essential concepts are explained in a practical way to enable students to apply their existing skills to address problems in multimedia. Fully revised and updated, this new edition now includes coverage of such topics as 3D TV, social networks, high-efficiency video compression and conferencing, wireless and mobile networks, and their attendant technologies. Features: presents an overview of the key concepts in multimedia, including color science; reviews lossless and lossy compression methods for image, video and audio data; examines the demands placed by multimedia communications on wired and wireless networks; discusses the impact of social media and cloud computing on information sharing and on multimedia content search and retrieval; includes study exercises at the

end of each chapter; provides supplementary resources for both students and instructors at an associated website.

Cyborg Mind - Calum MacKellar 2019-04-09

With the development of new direct interfaces between the human brain and computer systems, the time has come for an in-depth ethical examination of the way these neuronal interfaces may support an interaction between the mind and cyberspace. In so doing, this book does not hesitate to blend disciplines including neurobiology, philosophy, anthropology and politics. It also invites society, as a whole, to seek a path in the use of these interfaces enabling humanity to prosper while avoiding the relevant risks. As such, the volume is the first extensive study in cyberneuroethics, a subject matter which is certain to have a significant impact in the 21st century and beyond.

Textbook of Clinical Neuropsychiatry, Second Edition - David Moore
2008-04-25

Textbook of Clinical Neuropsychiatry provides a comprehensive, encyclopedic and up to date coverage of the complete range of neuropsychiatric disorders.

The text is clearly written and well organized, utilizing a consistent and easy to read format throughout. Part I describes the diagnostic assessment of patients and details the interview, mental s
International Encyclopedia of Information and Library Science - John Feather
2003-09-02

The International Encyclopedia of Information and Library Science was published to widespread acclaim in 1996, and has become the major reference work in the field. This eagerly awaited new edition has been fully revised and updated to take full account of the many and radical changes which have taken place since the Encyclopedia was originally conceived. With nearly 600 entries, written by a global team of over 150 contributors, the subject matter ranges from

mobile library services provided by camel and donkey transport to search engines, portals and the World Wide Web. The new edition retains the successful structure of the first with an alphabetical organization providing the basic framework of a coherent collection of connected entries. Conceptual entries explore and explicate all the major issues, theories and activities in information and library science, such as the economics of information and information management. A wholly new entry on information systems, and enhanced entries on the information professions and the information society, are key features of this new edition. Topical entries deal with more specific subjects, such as collections management and information services for ethnic minorities. New or completely revised entries include a group of entries on information law, and a collection of entries on the Internet and the World Wide Web.

Neural Engineering - Bin He
2013-01-09

Neural Engineering, 2nd Edition, contains reviews and discussions of contemporary and relevant topics by leading investigators in the field. It is intended to serve as a textbook at the graduate and advanced undergraduate level in a bioengineering curriculum. This principles and applications approach to neural engineering is essential reading for all academics, biomedical engineers, neuroscientists, neurophysiologists, and industry professionals wishing to take advantage of the latest and greatest in this emerging field.

Brain-Inspired Cognitive Architectures for Artificial Intelligence: BICA*AI 2020 -

Alexei V. Samsonovich
2020-12-08

The book focuses on original approaches intended to support the development of biologically inspired cognitive architectures. It bridges together different disciplines, from classical artificial intelligence to linguistics, from neuro- and social sciences to design and creativity, among

others. The chapters, based on contributions presented at the Eleventh Annual Meeting of the BICA Society, held on November 10-14, 2020, in Natal, Brazil, discuss emerging methods, theories and ideas towards the realization of general-purpose humanlike artificial intelligence or fostering a better understanding of the ways the

human mind works. All in all, the book provides engineers, mathematicians, psychologists, computer scientists and other experts with a timely snapshot of recent research and a source of inspiration for future developments in the broadly intended areas of artificial intelligence and biological inspiration.