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**The AI Business** - Patrick Henry Winston - 1986-01-01

Addressing the growing impact of Artificial Intelligence technology on the business world, this collection of essays focuses on four separate areas--expert systems, robotics, natural language, and venture capital--as it considers its diverse applications and potential trends

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Cutting through the hype, a practical guide to using artificial intelligence for business benefits and competitive advantage. In The AI Advantage, Thomas Davenport offers a guide to using artificial intelligence in business. He describes what technologies are available and how companies can use them for business benefits and competitive advantage. He cuts through the hype of the AI craze—remember when it seemed plausible that IBM's Watson could cure cancer?—to explain how businesses can put artificial intelligence to work now, in the real world. His key recommendation: don't go for the "moonshot" (curing cancer, or synthesizing all investment knowledge); look for the "low-hanging fruit" to make your company more efficient. Davenport explains that the business value AI offers is solid rather than sexy or splashy. AI will improve products and processes and make decisions better informed—important but largely invisible tasks. AI technologies won't replace human workers but augment their capabilities, with smart machines to work alongside smart people. AI can automate structured and repetitive work; provide extensive analysis of data through machine learning ("analytics on steroids"), and engage with customers and employees via chatbots and intelligent agents. Companies should experiment with these technologies and develop their own expertise.

Davenport describes the major AI technologies and explains how they are being used, reports on the AI work done by large commercial enterprises like Amazon and Google, and outlines strategies and steps to becoming a cognitive corporation. This book provides an invaluable guide to the real-world future of business AI. A book in the Management on the Cutting Edge series, published in cooperation with MIT Sloan Management Review.

**The AI Advantage** - Thomas H. Davenport - 2019-08-06

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**The AI Book** - Ivana Bartoletti - 2020-04-09

Written by prominent thought leaders in the global fintech space, The AI Book aggregates diverse expertise into a single, informative volume and explains what artificial intelligence really means and how it can be used to drive businesses across financial services today. Key industry developments are explained in detail, and critical insights from cutting-edge practitioners offer first-hand information and lessons learned. Coverage includes: - Understanding the AI Portfolio: from machine learning to chatbots, to natural language processing (NLP); a deep dive into the Machine Intelligence Landscape; essentials on
traditional companies to rearchitect their operating models. Explain the humans; quantum computing and next-generation AI - AI experimentation and embedded unlearning, value proposition, organisation, customer and co-worker experiences in today’s Financial Services Industry. The future state of financial services and capital markets – what’s next for the real-world implementation of AI/tech? The innovating customer - users are not waiting for the financial services industry to work out how AI can re-shape their sector, profitability and competitiveness. Boardroom issues and AI trends, including conduct, regulation & oversight in an algo-driven world, cybersecurity, diversity & inclusion, data privacy, the ‘unbundled corporation’ & the future of work, social responsibility, sustainability, and the new leadership imperatives. Ethical considerations of deploying AI solutions and why explainable AI is so important.

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Written by prominent thought leaders in the global fintech space, The AI Book aggregates diverse expertise into a single, informative volume and explains what artificial intelligence really means. In this book, it can be seen how AI-driven firms are redefining how they create, capture, share, and deliver value. Marco Iansiti and Karim R. Lakhan show how reinventing the firm around data, analytics, and AI removes traditional constraints on scale, scope, and learning that have restricted business growth for hundreds of years. From Airbnb to Ant Financial, Microsoft to Amazon, research shows how AI-driven processes are vastly more scalable than traditional processes, allow massive scope increase, enabling companies to straddle industry boundaries, and create powerful opportunities for learning–to drive ever more accurate, complex, and sophisticated predictions. When traditional operating constraints are removed, strategy becomes a whole new game, one whose rules and likely outcomes this book will make clear. Iansiti and Lakhan: Present a framework for rethinking business and operating models. Explain how “collisions” between AI-driven/digital and traditional/analog firms are reshaping competition, altering the structure of our economy, and forcing the leaders of both digital and traditional firms to rethink how their firm competes and operates in the era of AI.

Competing in the Age of AI - Marco Iansiti - 2020-01-07

“A provocative new book” - The New York Times AI-centric organizations exhibit a new operating architecture, redefining how they create, capture, share, and deliver value. Marco Iansiti and Karim R. Lakhan show how reinventing the firm around data, analytics, and AI removes traditional constraints on scale, scope, and learning that have restricted business growth for hundreds of years. From Airbnb to Ant Financial, Microsoft to Amazon, research shows how AI-driven processes are vastly more scalable than traditional processes, allow massive scope increase, enabling companies to straddle industry boundaries, and create powerful opportunities for learning–to drive ever more accurate, complex, and sophisticated predictions. When traditional operating constraints are removed, strategy becomes a whole new game, one whose rules and likely outcomes this book will make clear. Iansiti and Lakhan: Present a framework for rethinking business and operating models. Explain how “collisions” between AI-driven/digital and traditional/analog firms are reshaping competition, altering the structure of our economy, and forcing opportunities and risks created by digital firms. Describe the new challenges and responsibilities for the leaders of both digital and traditional firms. Packed with examples–including many from the most powerful and innovative global, AI-driven competitors–and based on research in hundreds of firms across many sectors, this is your essential guide for rethinking how your firm competes and operates in the era of AI.

Expert Systems for Engineers - James N. Siddall - 1990-02-09

Siddall (engineering, McMaster Univ., Hamilton, Ontario) argues that engineers are perfectly capable of writing their own expert system computer programs, drawing on their pre-existing knowledge of languages such as FORTRAN and PASCAL, their expertise of the engineering method, and their experience with.

Artificial Intelligence in Practice - Bernard Marr - 2019-04-15

Cyber-solutions to real-world business problems. Artificial Intelligence in Practice is a fascinating look into how companies use AI and machine learning to solve problems. Presenting 50 case studies of actual situations, this book demonstrates practical applications to issues faced by businesses around the globe. The rapidly evolving field of artificial intelligence has expanded beyond research labs and computer science departments and made its way into the mainstream business environment. Artificial intelligence and machine learning are cited as the most important modern business trends to drive success. It is used in areas ranging from banking and finance to social media and marketing. This technology continues to provide innovative solutions to businesses of all sizes, sectors and industries. This engaging and topical book explores a wide range of cases illustrating how businesses use AI to boost performance, drive efficiency, analyse market preferences and many others. Best-selling author and renowned AI expert Bernard Marr reveals how machine learning technology is transforming the way companies conduct business. This detailed examination provides an overview of each company, describes the specific problem and explains how the problems were solved and presents the technologies that were used. This book provides a comprehensive overview, including some technical details as well as key learning summaries: Understand how specific business problems are addressed by innovative machine learning methods. Explore how current artificial intelligence applications improve performance and increase efficiency in various situations. Expand your knowledge of recent AI advancements in technology Gain insight on the future of AI and its increasing role in business and industry. Artificial Intelligence in Practice: How 50 Successful Companies Used Artificial Intelligence to Solve Problems. is an insightful and informative exploration of the transformative power of technology in 21st century commerce.

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the-ai-business-the-commercial-uses-of-artificial-intelligence

Abstract: Artificial intelligence has already been applied to many areas since its official birth in 1956, but most of the applications ended up in great disappointments as the benefits they reaped were very low. Due to this reason the vast interest in applying this relatively young technology to business calmed down in the late seventies when scientists recognized that the current intelligent systems were not yet plug-and-play solutions, hence mature enough to fully meet the business needs and requirements at that time. However, the limited commercial applicability of artificial intelligence in the past has to be rethought today as with the significant progress in artificial intelligence research and the growth of electronic commerce conducted over the World Wide Web new opportunities for business applications of artificial intelligence have emerged consequently. Nowadays horizontal and vertical electronic commerce is significantly driven by intelligent applications. Their employment in electronic businesses may well generate huge returns on investments, providing a technology-based response to increasing competition, the volatility of business models, and the pace of technology change. Despite the wide assumption that artificial intelligence will have a major impact on Internet-related businesses today and especially in the next years to come, it is uncertain to what extent it performs and will perform that way. The purpose of this thesis is to analyse, assess and evaluate the potential of commercial applications of artificial intelligence in electronic businesses. Therefore the main research question of this paper is whether artificial intelligence is reasonably applicable in Internet-related businesses, first in terms of effectiveness and second in terms of efficiency. In the assessment the application of artificial intelligence in electronic businesses is represented by the employment of intelligent agents. In harmony with the major research question emphasized above, the paper offers a thorough discussion about the impact of the most common and relevant application types of intelligent agents on electronic commerce environments. In addition the driving underlying technologies of intelligent agents are analysed with respect to artificial intelligence techniques and methods, and current standardisation efforts.

Assessment of the Commercial Applicability of Artificial Intelligence in Electronic Businesses

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Advanced Analytics and AI - Tony Bhoobier - 2018-03-29

Be prepared for the arrival of automated decision making. Once thought of as science fiction, major corporations are already beginning to use cognitive systems to assist in providing wealth advice and also in medication treatment. The use of Cognitive Analytics/Artificial Intelligence (AI) Systems is set to accelerate, with the expectation that it’ll be considered ‘mainstream’ in the next 5 – 10 years. It'll change the way we as individuals interact with data and systems—and the way we run our businesses. Cognitive Analysis and AI prepares business users for the era of cognitive analytics / artificial intelligence. Building on established texts and commentary, it specifically prepares you in terms of expectation, impact on personal roles, and responsibilities. It focuses on the specific impact on key industries (retail, financial services, utilities and media) and also on key professions (such as accounting, operational management, supply chain and risk management). Shows you how users interact with the system in natural language. Explains how cognitive analysis/AI can source ‘big data’ Provides a roadmap for implementation Gets you up to speed now before you get left behind. If you’re a decision maker or budget holder within the corporate context, this invaluable book helps you gain an advantage from the deployment of cognitive analytics tools.

Encyclopedia of Computer Science and Technology - Allen Kent - 2021-06-24

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Encyclopedia of Business Analytics and Optimization - Wang, John - 2014-02-28

As the age of Big Data emerges, it becomes necessary to take the five dimensions of Big Data- volume, variety, velocity, volatility, and veracity - and focus these dimensions towards one critical emphasis - value. The Encyclopedia of Business Analytics and Optimization confronts the challenges of information retrieval in the age of Big Data by exploring recent advances in the areas of knowledge management, data visualization, interdisciplinary communication, and others. Through its critical approach and practical application, this book will be a must-have reference for any professional, leader, analyst, or manager interested in making the most of the knowledge resources at their disposal.

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The Cognitive Psychology of Knowledge - G. Strube - 1993-10-01

The present book is a result of a seven-year (1986-1992) national research program in cognitive science in Germany, presumably the first large scale cognitive science program there. Anchored in psychology, and therefore christened Wissenpsychologie (psychology of knowledge), it has found interdisciplinary resonance, especially in artificial intelligence and education. The research program brought together cognitive scientists from over twenty German universities and more than thirty single projects were funded. The program was initiated by Heinz Mandl and Hans Spada, the main goals of which were to investigate the acquisition of knowledge, the access to knowledge, and the modification and application of knowledge from a psychological perspective. Emphasis was placed on formalisms of knowledge representation and on the processes involved. In many of the projects this was combined with computer simulations. A final but equally important goal was the development of experimental paradigms and methods for data analysis that are especially suited to investigate knowledge based processes. The research program had a major impact on cognitive psychology in Germany. Research groups were established at many universities and research equipment was provided. It also inspired a considerable number of young scientists to carry out cognitive research, employ modeling techniques from artificial intelligence for psychological theorizing, and construct intelligent tutoring systems for education. Close contacts with cognitive scientists in the U.S. have helped to firmly integrate the program with international research endeavours. Each year, one or two workshops were held. The present volume is the result of the final workshop which was held in September 1992. Selected results from seventeen projects are presented in this book. The volume is enriched by three guest scholars who agreed to participate in the final workshop and to comment on the chapters of the book.

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e-Business in Construction - Chimay J. Anumba - 2009-01-21

With a number of disparate, often geographically distributed, organisations involved in the delivery of construction projects, there has been considerable interest in e-business tools within the construction industry. These tools open up a range of possibilities for the industry to rethink existing processes and working methods, so their use is increasingly common. Nevertheless, there has been little definitive guidance for practitioners or students on the major issues in electronic business from a construction perspective. By bringing together 16 contributions from research and industry practitioners and students on the major issues in electronic business from a construction perspective, this book will be a must-have reference for any professional, leader, analyst, or manager interested in making the most of the knowledge resources at their disposal.
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10th European Conference on Games Based Learning -

The Algorithmic Unconscious - Luca M. Possati - 2021-02-25

This book applies the concepts and methods of psychoanalysis to the study of artificial intelligence (AI) and human-AI interaction. It develops a new, more fruitful approach for applying psychoanalysis to AI and machine behavior. It appeals to a broad range of scholars: philosophers working on psychoanalysis, technology, AI ethics, and cognitive sciences, psychoanalysts, psychologists, and computer scientists. The book is divided into four parts. The first part (Chapter 1) analyzes the concept of “machine behavior.” The second part (Chapter 2) develops a reinterpretation of some fundamental Freudian and Lacanian concepts through Bruno Latour’s actor-network theory. The third part (Chapters 3 and 4) focuses on the nature and structure of the algorithmic unconscious. The author claims that the unconscious roots of AI lie in a form of projective identification, i.e., an emotional and imaginative exchange between humans and machines. In the fourth part of the book (Chapter 5), the author advances the thesis that neuropsychoanalysis and the effective neurosciences can provide a new paradigm for research on artificial general intelligence. The Algorithmic Unconscious explores a completely new approach to AI, which can also be defined as a form of “therapy.” Analyzing the projective identification processes that take place in groups of professional programmers and designers, as well as the “hidden” features of AI (errors, noise information, biases, etc.), represents an important tool to enable a healthy and positive relationship between humans and AI. Psychoanalysis is used as a critical space for reflection, innovation, and progress.

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Impact of AI Technologies on Teaching, Learning, and Research in Higher Education - Verma, Shivani - 2020-08-21

Within higher education, there are enormous untapped opportunities for product/services companies, administrators, educators, start-ups, and technology professionals to begin embracing artificial intelligence (AI) across the student ecosystem and infuse innovation into traditional academic processes by leveraging disruptive technologies. This type of human-machine interface presents the immediate potential to change the way we learn, memorize, access, and create information. These solutions present new openings for education for all while fostering lifelong learning in a strengthened model that can preserve the integrity of core values and the purpose of higher education. Impact of AI Technologies on Teaching, Learning, and Research in Higher Education explores the phenomena of the emergence of the use of AI in teaching and learning in higher education, including examining the positive and negative aspects of AI. Recent technological advancements and the increasing speed of adopting new technologies in higher education are discussed in order to predict the future nature of higher education in a world where AI is part of the fabric of universities. The book also investigates educational implications of emerging technologies on the way students learn and how institutions teach and evolve. Finally, challenges for the adoption of these technologies for teaching, learning, student support, and administration are addressed.

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Impact of AI Technologies on Teaching, Learning, and Research in Higher Education - Verma, Shivani - 2020-08-21

Within higher education, there are enormous untapped opportunities for product/services companies, administrators, educators, start-ups, and technology professionals to begin embracing artificial intelligence (AI) across the student ecosystem and infuse innovation into traditional academic processes by leveraging disruptive technologies. This type of human-machine interface presents the immediate potential to change the way we learn, memorize, access, and create information. These solutions present new openings for education for all while fostering lifelong learning in a strengthened model that can preserve the integrity of core values and the purpose of higher education. Impact of AI Technologies on Teaching, Learning, and Research in Higher Education explores the phenomena of the emergence of the use of AI in teaching and learning in higher education, including examining the positive and negative aspects of AI. Recent technological advancements and the increasing speed of adopting new technologies in higher education are discussed in order to predict the future nature of higher education in a world where AI is part of the fabric of universities. The book also investigates educational implications of emerging technologies on the way students learn and how institutions teach and evolve. Finally, challenges for the adoption of these technologies for teaching, learning, student support, and administration are addressed.
Federated AI for Real-World Business Scenarios - Dinesh C. Verma - interested in implementing AI in higher education.

The AI Marketing Canvas - Raj Venkatesan - 2021-05-18
This book offers a direct, actionable plan CMOs can use to map out initiatives that are properly sequenced and designed for success—regardless of where their marketing organization is in the process. The authors pose the following critical questions to marketers: (1) How should modern marketers be thinking about artificial intelligence and machine learning? and (2) How should marketers be developing a strategy and plan to implement AI into their marketing toolkit? The opening chapters provide marketing leaders with an overview of what exactly AI is and how it differs from traditional computer science approaches. Venkatesan and Lecinski then, propose a best-practice, five-stage framework for implementing what they term the "AI Marketing Canvas." Their approach is based on research and interviews they conducted with leading marketers, and offers many tangible examples of what brands are doing at each stage of the AI Marketing Canvas. By way of guidance, Venkatesan and Lecinski provide examples of brands—including Google, Lyft, Ancestry.com, and Coca-Cola—that have successfully woven AI into their marketing strategies. The book concludes with a discussion of important implications for marketing leaders—for your team and culture.

Artificial Intelligence - Harvard Business Review - 2019
Companies that don’t use AI to their advantage will soon be left behind. Artificial intelligence and machine learning will drive a massive reshaping of the economy and society. What should you and your company be doing right now to ensure that your business is poised for success? These articles by AI experts and consultants will help you understand today’s essential thinking on what AI is capable of now, how to adopt it in your organization, and how the technology is likely to evolve in the near future. Artificial Intelligence: The Insights You Need from Harvard Business Review will help you spearhead important conversations, get going on the right AI initiatives for your company, and capitalize on the opportunity of the machine intelligence revolution. Catch up on current topics and deepen your understanding of them with the Insights You Need series from Harvard Business Review. Featuring some of HBR’s best and most recent thinking, Insights You Need titles are both a primer on today’s most pressing issues and an extension of the conversation, with interesting research, interviews, case studies, and practical ideas to help you explore how a particular issue will impact your company and what it will mean for you and your business.

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Federated AI for Real-World Business Scenarios - Dinesh C. Verma - 2021-10-01
This book provides an overview of Federated Learning and how it can be used to build real-world AI-enabled applications. Real-world AI applications frequently have training data distributed in many different locations, with data at different sites having different properties and different formats. In many cases, data movement is not permitted due to security concerns, bandwidth, cost or regulatory restriction. Under these conditions, techniques of federated learning can enable creation of practical applications. Creating practical applications requires implementation of the cycle of learning from data, inferring from data, and acting based on the inference. This book will be the first one to cover all stages of the Learn-Infer-Act cycle, and presents a set of patterns to apply federation to all stages. Another distinct feature of the book is the use of real-world applications with an approach that discusses all aspects that need to be considered in an operational system, including handling of data issues during federation, maintaining compliance with enterprise security policies, and simplifying the logistics of federated AI in enterprise contexts. The book considers federation from a manner agnostic to the actual AI models, allowing the concepts to be applied to all varieties of AI models. This book is probably the first one to cover the space of enterprise AI-based applications in a holistic manner.

Artificial Intelligence in Business - IntroBooks Team - 2021-10-01
It is not surprising that there is still a class of individuals who associate artificial intelligence (AI) with works of fiction. But, this perception is gradually losing ground with the frequent use of artificial intelligence in our daily chores, exhibiting a rational dimension. These days, artificial intelligence is all-encompassing phenomena that have an immense impact on social upbringing. It is rapidly finding its relevance in our mainstream culture as a revolutionary trend, but the idea is not new. The contemporary AI postulate came into being much earlier in 1956, so to say. However, it took decades of drudgery and back-breaking perseverance to transform the AI system into a technological revelation.

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Advances in Computers - 1989-07-17
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Aanwinsten van de Centrale Bibliotheek (Quoteletfonds) - Bibliothèque centrale (Fonds Quotelet) - 1995
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Downloaded from conference.chcanys.org on November 30, 2021 by guest
touted as a “breakthrough.” “A.I.” has eclipsed “Blockchain” and “Crypto.”

The aim of the Applications of Advanced Computing Techniques Series is to publish accounts of particular computer application areas which provide good examples of advanced practice in the fields concerned. In some volumes, the techniques described will be advanced because of the particular computer technologies used. In other volumes the techniques will be advanced because they illustrate new ways of using computing in particular fields, or because they raise new social and ethical issues. All the volumes are designed to be readable both for practitioners working in the application area concerned (in this case lawyers) and for computer professionals interested in leading edge applications. Philip Leith meets all these objectives in this volume. The first four chapters provide a valuable introduction to computer concepts and methods of holding information, from the specific point of view of the practising lawyer or student. Whilst some of these issues may be familiar to computer practitioners it is only through a proper appreciation of the technology that the real benefits to the working lawyer become clear.

The Computerised Lawyer - Philip Leith - 2012-12-06

This book demystifies AI for the enterprise. The journey takes the reader from the basics (definitions, state of the art, etc.) to a multi-industry journey, and concludes with validated expert advice on everything an organization and its people must do to succeed.

Demystifying AI for the Enterprise - Prashant Natarajan - 2021-11-17

This book demystifies AI for the enterprise. The journey takes the reader from the basics (definitions, state of the art, etc.) to a multi-industry journey, and concludes with validated expert advice on everything an organization and its people must do to succeed.

The A.I. Marketer - Andrew W. Pearson - 2019-04-15

We seem to be living in the age of A.I. Everywhere you look, companies are touting their most recent A.I., machine learning, and deep learning breakthroughs, even when they are far short of anything that could be touted as a “breakthrough.” “A.I.” has eclipsed “Blockchain” and “Crypto” as the buzzword of today. Indeed, one of the best ways to raise VC funding is to stick ‘AI’ or ‘ML’ at the front of your prospectus and “a” at the end of your website. Separating fact from fiction is more important than it has ever been. The A.I. Marketer breaks down A.I., machine learning, and deep learning into five unique use cases—sound, time series, text, image, and video—and also reveals how marketing executives can utilize this powerful technology to help them more finely tune their marketing campaigns, better segment their customers, increase lead generation, and foster strong customer loyalty. Today, “Personalization”—the process of utilizing mobile, social, geo-location data, web morphing, context and even affective computing to tailor messages and experiences to an individual interacting with them—is becoming the optimum word in a radically new customer intelligence environment. The A.I. Marketer explains this complex technology in simple to understand terms and then shows how marketers can utilize the psychology of personalization with A.I. to both create more effective marketing campaigns as well as increase customer loyalty. Pearson shows companies how to avoid Adobe’s warning of not using industrial-age technology in the digital era. Pearson also reveals how to create a platform of technology that seamlessly integrates EDW and real-time streaming data with social media content. Analytical models and neural nets can then be built on both commercial and open source technology to better understand the customer, thereby strengthening the brand and, just as importantly, increasing ROI.

AI at War - Sam J. Tangredi - 2021-04-15

Artificial intelligence (AI) may be the most beneficial technological development of the twenty-first century. Media hype and raised expectations for results, however, have clouded understanding of the true nature of AI—including its limitations and potential. AI at War provides a balanced and practical understanding of utilizing information from the specific point of view of the practising lawyer or student. Whilst some of these issues may be familiar to computer practitioners it is only through a proper appreciation of the technology that the real benefits to the working lawyer become clear.

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Nursing and Computers - Virginia K. Saba - 1998
A compilation of both landmark historic and contemporary papers, illustrating the inception and evolution of nursing informatics. The authors have assembled the papers into an invaluable source book providing a framework for future developments in the field. Examining the relationship between nursing and information systems, practical applications include administration, practice, research, education, critical care, and community health. An essential tool for nurses seeking to attain credentials as Nursing Informatics Specialists.

Mind as Machine - Margaret A. Boden - 2006
Cognitive science is among the most fascinating intellectual achievements of the modern era. The quest to understand the mind is an ancient one. But modern science has offered new insights and techniques that have revolutionized this enquiry. Oxford University Press now presents a masterly account of the field, told by one of its most eminent practitioners. Psychology is the thematic heart of cognitive science, which aims to understand human (and animal) minds. But its core theoretical ideas are drawn from cybernetics and artificial intelligence, and many cognitive scientists try to build functioning models of how the mind works. In that sense, Margaret Boden suggests, its key insight is that mind is a (very special) machine. Because the mind has many different aspects, the field is highly interdisciplinary. It integrates psychology not only with cybernetics/AI, but also with neuroscience and clinical psychology; with the philosophy of mind, language, and logic; with linguistic work on grammar, semantics, and communication; with anthropological studies of cultures; and with biological (and A-Life) research on animal behaviour, evolution, and life itself. Each of these disciplines, in its own way, asks what the mind is, what it does, how it works, how it develops—and how it is even possible.

Handbook of Research on Applied AI for International Business and the organisation had been done for so long without the benefit of a resident expert on a subject of such crucial interest. I was therefore delighted when an American academic of high reputation, Murray Feshbach, joined us as our first Sovietologist. I was also encouraged that he decided to organise last November a Workshop in which NATO staff could take part and which would attract prestigious participants from all the countries of this alliance, I saw for myself the high level of interest created by the Workshop, and judge it to have been an entirely successful, I hope there will be other similar events in the future, there is no doubt that, in the light of the series of developments and changes launched over recent months by Mr.

Artificial Intelligence Applications for Business Management - Richard Kendall Miller - 1988

Architects of Intelligence - Martin Ford - 2018-11-23
Book Description How will AI evolve and what major innovations are on the horizon? What will its impact be on the job market, economy, and society? What is the path toward human-level machine intelligence? What should we be concerned about as artificial intelligence advances? Architects of Intelligence contains a series of in-depth, one-to-one interviews where New York Times bestselling author, Martin Ford, uncovers the truth behind these questions from some of the brightest minds in the Artificial Intelligence community. Martin has wide-ranging conversations with twenty-three of the world’s foremost researchers and entrepreneurs working in AI and robotics: Demis Hassabis (DeepMind), Ray Kurzweil (Google), Geoffrey Hinton (Univ. of Toronto and Google), Rodney Brooks (Rethink Robotics), Yann LeCun (Facebook), Fei-Fei Li (Stanford and Google), Yoshua Bengio (Univ. of Montreal), Andrew Ng (AI Fund), Daphne Koller (Stanford), Stuart Russell (UC Berkeley), Nick Bostrom (Univ. of Oxford), Barbara Grosz (Harvard), David Ferrucci (Elemental Cognition), James Manyika (McKinsey), Judea Pearl (UCLA), Josh Tenenbaum (MIT), Rana el Kaloui (Affectiva), Daniela Rus (MIT), Jeff Dean (Google), Cynthia Breazeal (MIT), Oren Etzioni (Allen Institute for AI), Gary Marcus (NYU), and Bryan Johnson (Kernel). Martin Ford is a prominent futurist, and author of Financial Times Business Book of the Year, Rise of the Robots. He speaks at conferences and companies around the world on what AI and automation might mean for the future.

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Informatics, and open mind systems (MIBs); and with biological (and A-Life)
research on animal behaviour, evolution, and life itself. Each of these disciplines, in its own way, asks what the mind is, what it does, how it works, how it develops—and how it is even possible. Boden traces the key questions back to Descartes’s revolutionary
writings, and to the ideas of his followers—and his radical critics—through
the eighteenth and nineteenth centuries. Her story shows how controversies
in the development of experimental physiology, neurophysiology,
psychology, evolutionary biology, embryology, and logic are still relevant
today. Then she guides the reader through the complex interlinked paths
along which the study of mind developed in the twentieth century. Cognitive
science covers all mental phenomena: not just ‘cognition’ (knowledge), but
also emotion, personality, psychopathology, social communication, religion,
motor action, and consciousness. In each area, Boden introduces the key
ideas and researchers and discusses those philosophical critics who see
cognitive science as fundamentally misguided. And she sketches the waves
of resistance and acceptance on the part of the media and general public,
showing how these have affected the development of the field. No one else
could tell this story as Boden can: she has been a member of the cognitive
science community since the late-1950s, and has known many of its key
figures personally. Her narrative is written in a lively, swift-moving style,
enriched by the personal touch of someone who knows the story atfirst
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Digital Personalized Health and Medicine - L.B. Pape-Haugaard -
2020-06-17

Digital health and medical informatics have grown in importance in recent
years, and have now become central to the provision of effective healthcare
around the world. This book presents the proceedings of the 30th Medical
Informatics Europe conference (MIE). This edition of the conference, hosted
by the European Federation for Medical Informatics (EFMI) since the
1970s, was due to be held in Geneva, Switzerland in April 2020, but as a
result of measures to prevent the spread of the Covid19 pandemic, the
conference itself had to be cancelled. Nevertheless, because this collection
of papers offers a wealth of knowledge and experience across the full
spectrum of digital health and medicine, it was decided to publish the
submissions accepted in the review process and confirmed by the Scientific
Program Committee for publication, and these are published here as
planned. The 232 papers are themed under 6 section headings: biomedical
data, tools and methods; supporting care delivery; health and prevention;
precision medicine and public health; human factors and citizen centered
digital health; and ethics, legal and societal aspects. A 7th section deals
with the Swiss personalized health network, and section 8 includes the 125
posters accepted for the conference. Offering an overview of current trends
and developments in digital health and medical informatics, the book
provides a valuable information resource for researchers and health
practitioners alike.

The CRI Directory of Expert Systems - Godfrey Smart - 1986

This directory describes the current state-of-the-art and capabilities of
expert systems technology, by giving a brief description of every expert
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