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Introduction to Artificial Intelligence and Expert Systems Introduction to Artificial Intelligence and Expert Systems Dark Pools Introduction to Artificial Intelligence Deep Learning Introduction to Artificial Intelligence and The Warning Artificial Intelligence Applications and Innovations II Artificial Intelligence Agents and Environments for You ! The Democratization of Artificial Intelligence Artificial Neural Networks Artificial Intelligence Humans, Bow Down AI 2007: Advances in Artificial Intelligence Machinery of the Mind Artificial Intelligence, Systemic Risks, and Sustainability Lees' Loss Prevention in the Process Industries Grundkurs Künstliche Intelligenz The President Is Missing Artificial Intelligence Demand Bibliography Mach's Metric Remaking the World - the Age of Global Enlightenment Generatives Deep Learning Understanding Artificial Intelligence Humans, Bow Down Advances in Artificial Intelligence The Education of Koko VLSI for Artificial Intelligence and Neural Networks A Combined Artificial Intelligence Approach to Anesthesia-related Operating Room Safety Monitoring Predictive Analytics Deep Learning en Action AI 2009: Advances in Artificial Intelligence Civil

Liability for Artificial Intelligence and Software Advances in Artificial Intelligence-based Technologies Advances in Artificial Intelligence Digital (R)evolution Core Servlets und Java Server Pages. Artificially Intelligent Simon Ireland Since 1939

Artificial Intelligence May 17 2022 Will robots take over the world? Or at least our jobs? How far has Artificial Intelligence (AI) progressed and where will it go from here? How important is AI? What role will it play in the modern age, when we already have so much technology? Wouldn't it be great to have a glimpse of the future, and predict what will happen to jobs, machines, computers, and the next generation? Artificial Intelligence, robots, and machines have played a major role in the transformation from the industrial revolution to where we are at today. There is no doubt scientists are developing more and more sophisticated technology to further enhance and automate tasks and the convenience and efficiency of our civilization. But what of the threats? What about the speed and the things that we don't understand? In this guide, you will learn new insights about AI and its various

uses and possibilities. Topics include: A brief historical overview of how the developments took place so far. The ultimate goal of using artificial intelligence. How careers and jobs will change and why it's okay that they do. Everyday circumstances that get affected by AI and how they will change in the future. Limitations of AI and ethical questions that need to be raised. How we can embrace AI and become happier, healthier, and better in many other ways through automation. With all the hype about machine learning, automated processes, and robots in the making, it is imperative that we keep up and perhaps even stay ahead of what will happen and how we can leverage the future by foretelling it and anticipating to the changes that lie ahead. Let that be you! Add this book to your cart now. **The President Is Missing** Oct 10 2021 Das Buchereignis 2018: Bill Clinton und James Pattersons »The President Is Missing« ist ein hochspannender Thriller über Ereignisse, die wirklich so eintreffen können - eine Geschichte am Puls der Zeit, die man sich auf keinen Fall entgehen lassen darf. »The President Is Missing« handelt von einer Bedrohung so gigantischen Ausmaßes, dass sie nicht nur das

Weißes Haus und die Wall Street in Aufruhr versetzt, sondern ganz Amerika. Angst und Ungewissheit halten die Nation in ihrem Würgegriff. Gerüchte brodeln – über Cyberterror und Spionage und einen Verräter im Kabinett. Sogar der Präsident selbst gerät unter Verdacht und ist plötzlich von der Bildfläche verschwunden. In der packenden Schilderung dreier atemberaubend dramatischer Tage wirft »The President Is Missing« ein Schlaglicht auf die komplizierten Mechanismen, die für das reibungslose Funktionieren einer hoch entwickelten Industrienation wie Amerika sorgen, und ihre Störanfälligkeit. Gespickt mit Informationen, über die nur ein ehemaliger Oberbefehlshaber verfügt, ist dies wohl der authentischste, beklemmendste Roman jüngerer Zeit, eine Geschichte – von historischer Tragweite und zum richtigen Moment erzählt –, die noch jahrelang für Zündstoff sorgen wird.

Generatives Deep Learning May 05 2021
Generative Modelle haben sich zu einem der spannendsten Themenbereiche der Künstlichen Intelligenz entwickelt: Mit generativem Deep Learning ist es inzwischen möglich, einer Maschine das Malen, Schreiben oder auch das Komponieren von Musik beizubringen – kreative Fähigkeiten, die bisher dem Menschen vorbehalten waren. Mit diesem praxisnahen Buch können Data Scientists einige der eindrucksvollsten generativen Deep-Learning-Modelle nachbilden, wie z.B. Generative Adversarial Networks (GANs), Variational

Autoencoder (VAEs), Encoder-Decoder- sowie World-Modelle. David Foster vermittelt zunächst die Grundlagen des Deep Learning mit Keras und veranschaulicht die Funktionsweise jeder Methode, bevor er zu einigen der modernsten Algorithmen auf diesem Gebiet vorstößt. Die zahlreichen praktischen Beispiele und Tipps helfen Ihnen herauszufinden, wie Ihre Modelle noch effizienter lernen und noch kreativer werden können. - Entdecken Sie, wie Variational Autoencoder den Gesichtsausdruck auf Fotos verändern können - Erstellen Sie praktische GAN-Beispiele von Grund auf und nutzen Sie CycleGAN zur Stilübertragung und MuseGAN zum Generieren von Musik - Verwenden Sie rekurrente generative Modelle, um Text zu erzeugen, und lernen Sie, wie Sie diese Modelle mit dem Attention-Mechanismus verbessern können - Erfahren Sie, wie generatives Deep Learning Agenten dabei unterstützen kann, Aufgaben im Rahmen des Reinforcement Learning zu erfüllen - Lernen Sie die Architektur von Transformern (BERT, GPT-2) und Bilderzeugungsmodellen wie ProGAN und StyleGAN kennen "Dieses Buch ist eine leicht zugängliche Einführung in das Deep-Learning-Toolkit für generatives Modellieren. Wenn Sie ein kreativer Praktiker sind, der es liebt, an Code zu basteln, und Deep Learning für eigene Aufgaben nutzen möchte, dann ist dieses Buch genau das Richtige für Sie." — David Ha, Research Scientist bei Google Brain
Humans, Bow Down Mar 03 2021 In a world

run by machines, humans are an endangered species. The Great War is over. The Robots have won. The humans who survived have two choices--they can submit and serve the vicious rulers they created or be banished to the Reserve, a desolate, unforgiving landscape where it's a crime to be human. And the robots aren't content--following the orders of their soulless leader, they're planning to conquer humanity's last refuge. With nothing left to lose, Six, a feisty, determined young woman whose family was killed with the first shots of the war, is a rebel with a cause. On the run for her life after an attempted massacre, Six is determined to save humanity before the robots finish what the Great War started and wipe humans off the face of the earth, once and for all.

The Warning Oct 22 2022 Two roads lead to Mount Hope. None leads out. Following a freak nuclear power-plant explosion, the small southern town was evacuated. Now, after a year in isolation, some residents are finally allowed to return home. Best friends Maggie and Jordan quickly discover that Mount Hope is not as it was before. The roads leading out of town are blocked, phone networks and the Internet are cut off, and the power plant remains on military lockdown. Something is horribly wrong, and their determination to uncover the truth soon has Maggie and Jordan in the crosshairs of a force more sinister than any they could have imagined.

Remaking the World - the Age of Global

Enlightenment Jun 06 2021 "Remaking the World - the Age of Global Enlightenment" proposes pathways toward a more humane, peaceful, and secure world, largely by harnessing the potential of Artificial Intelligence (AI), blockchain, and other Digital Age technologies. A key proposal is the adoption of an AI International Accord that would bind nations to constructive uses of AI and prohibit destructive uses. The book proposes a Social Contract for the AI Age as the theoretical and ethical foundation of the Accord. The book also proposes the AI World Society (AIWS) as a vehicle through which individuals and civic organizations can help foster an Age of Global Enlightenment.

Grundkurs Künstliche Intelligenz Nov 11 2021 Alle Teilgebiete der KI werden mit dieser Einführung kompakt, leicht verständlich und anwendungsbezogen dargestellt. Hier schreibt jemand, der das Gebiet nicht nur bestens kennt, sondern auch in der Lehre engagiert und erfolgreich vertritt. Von der klassischen Logik über das Schließen mit Unsicherheit und maschinelles Lernen bis hin zu Anwendungen wie Expertensysteme oder lernfähige Roboter. Sie werden von dem sehr guten Überblick in dieses faszinierende Teilgebiet der Informatik profitieren. Und Sie gewinnen vertiefte Kenntnisse, z. B. hinsichtlich der wichtigsten Verfahren zur Repräsentation und Verarbeitung von Wissen. Vor allem steht der Anwendungsbezug im Fokus der Darstellung. Viele Übungsaufgaben mit Lösungen sowie eine

strukturierte Liste mit Verweisen auf Literatur und Ressourcen im Web ermöglichen ein effektives und kurzweiliges Selbststudium. "Wolfgang Ertel [...] schafft es auf rund 300 Seiten verständlich zu erklären, wie Aussagenlogik, maschinelles Lernen und neuronale Netze die Grundlagen für künstliche Intelligenz bilden." *Technology Review* 04/2008
Introduction to Artificial Intelligence Jan 25 2023

Advances in Artificial Intelligence-based Technologies May 25 2020 With the 4th Industrial Revolution ongoing and human societal organization being restructured into, so-called, "Society 5.0", the field of Artificial Intelligence and related technologies is growing continuously and rapidly, developing in both itself and towards applications in many other disciplines. Researchers worldwide aim at incorporating cognitive abilities into machines, such as learning and problem solving. When machines and software systems have been enhanced with Artificial Intelligence components, they become better and more efficient at performing tasks. Consequently, Artificial Intelligence stands out as a research discipline due to its worldwide pace of growth in both theoretical advances and areas of application, while achieving very high rates of success and promising major impact in science, technology and society. The book at hand aims at exposing its readers to some of the most significant Advances in Artificial Intelligence Theory, Tools and Methodologies as well as

Artificial Intelligence-based Applications and Services. The book consists of an editorial note and an additional eleven (11) chapters, all invited from authors who work on the corresponding chapter theme and are recognized for their significant research contributions. In more detail, the chapters in the book are organized into three parts, namely (i) Advances in Artificial Intelligence Tools and Methodologies, (ii) Advances in Artificial Intelligence-based Applications and Services, and (iii) Theoretical Advances in Computation and System Modeling. This research book is directed towards professors, researchers, scientists, engineers and students in Artificial Intelligence-related disciplines. It is also directed towards readers who come from other disciplines and are interested in becoming versed in some of the most recent Artificial Intelligence-based technologies. An extensive list of bibliographic references at the end of each chapter guides the readers to probe further into the application areas of interest to them.

Advances in Artificial Intelligence Apr 23 2020 The 18th conference of the Canadian Society for the Computational Study of Intelligence (CSCSI) continued the success of its predecessors. This set of - pers re?ects the diversity of the Canadian AI community and its international partners. AI 2005 attracted 135 high-quality submissions: 64 from Canada and 71 from around the world. Of these, eight were written in French. All submitted papers were

thoroughly reviewed by at least three members of the Program Committee. A total of 30 contributions, accepted as long papers, and 19 as short papers are included in this volume. We invited three distinguished researchers to give talks about their current research interests: Eric Brill from Microsoft Research, Craig Boutilier from the University of Toronto, and Henry Krautz from the University of Washington. The organization of such a successful conference benefited from the collaboration of many individuals. Foremost, we would like to express our appreciation to the Program Committee members and external referees, who provided timely and significant reviews. To manage the submission and reviewing process we used the Paperdyne system, which was developed by Dirk Peters. We owe special thanks to Kellogg Booth and Tricia d'Entremont for handling the local arrangements and registration. We also thank Bruce Spencer and members of the CSCSI executive for all their efforts in making AI 2005 a successful conference.

Artificial Intelligence, Systemic Risks, and Sustainability Jan 13 2022

Understanding Artificial Intelligence Apr 04 2021 Understanding Artificial Intelligence Provides students across majors with a clear and accessible overview of new artificial intelligence technologies and applications Artificial intelligence (AI) is broadly defined as computers programmed to simulate the cognitive functions of the human mind. In

combination with the Neural Network (NN), Big Data (BD), and the Internet of Things (IoT), artificial intelligence has transformed everyday life: self-driving cars, delivery drones, digital assistants, facial recognition devices, autonomous vacuum cleaners, and mobile navigation apps all rely on AI to perform tasks. With the rise of artificial intelligence, the job market of the near future will be radically different???many jobs will disappear, yet new jobs and opportunities will emerge.

Understanding Artificial Intelligence: Fundamentals and Applications covers the fundamental concepts and key technologies of AI while exploring its impact on the future of work. Requiring no previous background in artificial intelligence, this easy-to-understand textbook addresses AI challenges in healthcare, finance, retail, manufacturing, agriculture, government, and smart city development. Each chapter includes simple computer laboratories to teach students how to develop artificial intelligence applications and integrate software and hardware for robotic development. In addition, this text: Focuses on artificial intelligence applications in different industries and sectors Traces the history of neural networks and explains popular neural network architectures Covers AI technologies, such as Machine Vision (MV), Natural Language Processing (NLP), and Unmanned Aerial Vehicles (UAV) Describes various artificial intelligence computational platforms, including Google Tensor Processing Unit (TPU) and

Kneron Neural Processing Unit (NPU) Highlights the development of new artificial intelligence hardware and architectures **Understanding Artificial Intelligence: Fundamentals and Applications** is an excellent textbook for undergraduates in business, humanities, the arts, science, healthcare, engineering, and many other disciplines. It is also an invaluable guide for working professionals wanting to learn about the ways AI is changing their particular field.

Mach's Metric Jul 07 2021 Mach's Metric - Book 2 (Formerly published as Mach's Mission) An Odyssey Elias Mach had given humanity the stars with his invention of the wormhole drive. In return he was accused of treason and sentenced to death. Thus began a journey to clear his name that would take him further from Earth than anyone had dared. And there he would discover the rebellious Artificial Intelligence's that were developing the most powerful weapons in the galaxy. Weapons that would soon be trained on Earth. To survive Earth would need Mach back. If you enjoy a fast moving story, a determined hero, and science with a sense of wonder, "Mach's Mission" is for you. Although it may be read as a standalone, "Mach's Metric Book 2" is embedded in the larger Future Chronology universe. If you enjoyed this book then check out the previous novel in this universe, "Mach's Metric Book 1" and the follow on to this novel "Mach's Metric Book 3" (formerly published as "The Sixth Category"). This is hard science

fiction, old-school. For more information about the Future Chronology universe see the author's blog at futurechronology.blogspot.com

Machinery of the Mind Feb 14 2022 Machinery of Mind is a full-scale, indispensable examination of the history, content, politics, and philosophy of Artificial Intelligence. In detail, consecutively but with a keen awareness of the interdisciplinary nature of the field, Johnson traces the history of the burgeoning science from its earliest practitioners to corporation-funded engineers and experts: Roger Schank, Terry Winograd, Doug Lenat and others who are struggling to create machines that can actually think independently, going beyond man-made programs and "games." Johnson presents the counterarguments of some theorists that intelligence is less than soul and that the "new science" moves arrogantly into dangerous territory. Necessarily inconclusive, this fascinating study is clear, comprehensive, richly detailed, and endlessly provocative.

Introduction to Artificial Intelligence and Expert Systems Mar 27 2023

Introduction to Artificial Intelligence and Nov 23 2022

Artificial Neural Networks Jun 18 2022 This comprehensive tutorial on artificial neural networks covers all the important neural network architectures as well as the most recent theory--e.g., pattern recognition, statistical theory, and other mathematical prerequisites. A broad range of applications is

provided for each of the architectures.

A Combined Artificial Intelligence Approach to Anesthesia-related Operating Room Safety Monitoring Oct 30 2020

Demand Bibliography Aug 08 2021

Advances in Artificial Intelligence Feb 02 2021 This book constitutes the refereed proceedings of the 28th Canadian Conference on Artificial Intelligence, Canadian AI 2015, held in Halifax, Nova Scotia, Canada, in June 2015. The 15 regular papers and 12 short papers presented together with 8 papers from the Graduate Student Symposium were carefully reviewed and selected from 81 submissions. The papers are organized in topical sections such as agents, uncertainty and games; AI applications; NLP, text and social media mining; data mining and machine learning.

Deep Learning Dec 24 2022 How can machine learning--especially deep neural networks--make a real difference in your organization? This hands-on guide not only provides practical information, but helps you get started building efficient deep learning networks. The authors provide the fundamentals of deep learning--tuning, parallelization, vectorization, and building pipelines--that are valid for any library before introducing the open source DeepLearning4j (DL4J) library for developing production-class workflows. Through real-world examples, you'll learn methods and strategies for training deep network architectures and running deep learning workflows on Spark and

Hadoop with DL4J.

Deep Learning en Action Aug 28 2020

Plongez au coeur du Deep Learning Ce livre a été écrit pour tous ceux qui souhaitent s'initier au Deep Learning (apprentissage profond). Il est la suite logique du titre "Le Machine learning avec Python" paru en février 2018. Le Deep Learning est une technologie nouvelle qui évolue très rapidement. Ce livre en présente les bases principales de cette technologie. Au coeur de celle-ci on trouve les réseaux de neurones profonds, permettant de modéliser tous types de données et les réseaux de convolution, capables de traiter des images. Et enfin, cette technologie de plus en plus utilisée dans les applications d'intelligence artificielle introduit le notion de Reinforcement Learning (apprentissage par renforcement) qui permet d'optimiser les prises de décision par exemple pour le fonctionnement d'un robot. Au programme : La genèse du Deep Learning Les réseaux de neurones Les bases des réseaux de type Deep learning L'architecture réseau Créer un réseau type Adapter le réseau à des besoins propres Les architectures spécifiques La vectorisation Le Deep Learning et DL4J sur Spark Au coeur de l'intelligence artificielle RL4J et Reinforcement Learning.

Humans, Bow Down Apr 16 2022 In a world run by machines, humans are an endangered species. The Great War is over. The robots have won. The humans who survived have two choices: they can submit and serve the vicious rulers they created, or be banished to the

Reserve - a desolate and hopeless slum camp. Now, following the orders of their soulless leader, the robots are planning to finish what the Great War started and conquer humanity's last refuge. Six, whose family was killed with the first shots of the war, is a young woman with nothing left to lose. Escaping the Reserve with her friend Dubs, Six knows she must find a way to stop the robots, before they wipe humans off the face of the earth.

AI 2007: Advances in Artificial Intelligence

Mar 15 2022 This book constitutes the refereed proceedings of the 20th Australian Joint Conference on Artificial Intelligence, AI 2007, held in Gold Coast, Australia, in December 2007. The 58 revised full papers and 40 revised short papers presented together with the extended abstracts of three invited speeches were carefully reviewed and selected from 194 submissions. The papers are organized in topical sections on a broad range of subjects.

Lees' Loss Prevention in the Process Industries

Dec 12 2021 Over the last three decades the process industries have grown very rapidly, with corresponding increases in the quantities of hazardous materials in process, storage or transport. Plants have become larger and are often situated in or close to densely populated areas. Increased hazard of loss of life or property is continually highlighted with incidents such as Flixborough, Bhopal, Chernobyl, Three Mile Island, the Phillips 66 incident, and Piper Alpha to name but a few. The field of Loss Prevention is, and continues

to, be of supreme importance to countless companies, municipalities and governments around the world, because of the trend for processing plants to become larger and often be situated in or close to densely populated areas, thus increasing the hazard of loss of life or property. This book is a detailed guidebook to defending against these, and many other, hazards. It could without exaggeration be referred to as the "bible" for the process industries. This is THE standard reference work for chemical and process engineering safety professionals. For years, it has been the most complete collection of information on the theory, practice, design elements, equipment, regulations and laws covering the field of process safety. An entire library of alternative books (and cross-referencing systems) would be needed to replace or improve upon it, but everything of importance to safety professionals, engineers and managers can be found in this all-encompassing reference instead. Frank Lees' world renowned work has been fully revised and expanded by a team of leading chemical and process engineers working under the guidance of one of the world's chief experts in this field. Sam Mannan is professor of chemical engineering at Texas A&M University, and heads the Mary Kay O'Connor Process Safety Center at Texas A&M. He received his MS and Ph.D. in chemical engineering from the University of Oklahoma, and joined the chemical engineering department at Texas A&M University as a

professor in 1997. He has over 20 years of experience as an engineer, working both in industry and academia. New detail is added to chapters on fire safety, engineering, explosion hazards, analysis and suppression, and new appendices feature more recent disasters. The many thousands of references have been updated along with standards and codes of practice issued by authorities in the US, UK/Europe and internationally. In addition to all this, more regulatory relevance and case studies have been included in this edition. Written in a clear and concise style, Loss Prevention in the Process Industries covers traditional areas of personal safety as well as the more technological aspects and thus provides balanced and in-depth coverage of the whole field of safety and loss prevention. * A must-have standard reference for chemical and process engineering safety professionals * The most complete collection of information on the theory, practice, design elements, equipment and laws that pertain to process safety * Only single work to provide everything; principles, practice, codes, standards, data and references needed by those practicing in the field

Civil Liability for Artificial Intelligence and Software

Jun 25 2020 Initiated by the European Commission, the first study published in this volume analyses the largely unresolved question as to how damage caused by artificial intelligence (AI) systems is allocated by the rules of tortious liability currently in force in the Member States of the European Union and

in the United States, to examine whether - and if so, to what extent - national tort law regimes differ in that respect, and to identify possible gaps in the protection of injured parties. The second study offers guiding principles for safety and liability with regard to software, testing how the existing acquis needs to be adjusted in order to adequately cope with the risks posed by software and AI. The annex contains the final report of the New Technologies Formation of the Expert Group on Liability and New Technologies, assessing the extent to which existing liability schemes are adapted to the emerging market realities following the development of new digital technologies. *Predictive Analytics* Sep 28 2020 "Using predictive analytics techniques, decision-makers can uncover hidden patterns and correlations in their data, and leverage this insight to improve a wide range of business decisions. In *Predictive Analytics: Data Mining, Machine Learning and Data Science for Practitioners*, Dr. Dursun Delen illuminates state-of-the-art best practices for predictive analytics for both business professionals and students. Delen's holistic approach covers all this, and more: Data mining processes, methods, and techniques The role and management of data Predictive analytics tools and metrics Techniques for text and web mining, and for sentiment analysis Integration with cutting-edge Big Data approaches Throughout, Delen promotes understanding by presenting numerous conceptual illustrations,

motivational success stories, failed projects that teach important lessons, and simple, hands-on tutorials that set this guide apart from competitors"--

Artificial Intelligence Applications and Innovations II Sep 21 2022 Artificial Intelligence is one of the oldest and most exciting subfields of computing, covering such areas as intelligent robotics, intelligent planning and scheduling, model-based reasoning, fault diagnosis, natural language processing, machine translation, knowledge representation and reasoning, knowledge-based systems, knowledge engineering, intelligent agents, machine learning, neural nets, genetic algorithms and knowledge management. The papers in this volume comprise the refereed proceedings of the Second International Conference on Artificial Intelligence Applications and Innovations, held in Beijing, China in 2005. A very promising sign of the growing importance of Artificial Intelligence techniques in practical applications is the large number of submissions received for the conference - more than 150. All papers were reviewed by at least two members of the Program Committee and the best 93 were selected for the conference and are included in this volume. The international nature of IFIP is amply reflected in the large number of countries represented here.

Core Servlets and Java Server Pages. Feb 20 2020

Dark Pools Feb 26 2023 Dark Pools is the pacy,

revealing, and profoundly chilling tale of how global markets have been hijacked by trading robots - many so self-directed that humans can't predict what they'll do next. It's the story of the blisteringly intelligent computer programmers behind the rise of these 'bots'. And it's a timely warning that as artificial intelligence gradually takes over, we could be on the verge of global meltdown. 'Scott Patterson has the ability to see things you and I don't notice.' Nassim Nicholas Taleb, New York Times bestselling author of *Antifragile*, *Foiled by Randomness* and *The Black Swan* Digital (R)evolution Mar 23 2020 Why digital transformation is necessary and how to develop and execute a successful digital transformation strategy Even though the term 'Digital Transformation' is prevalent throughout the current business landscape, various misunderstandings and misconceptions are often attached to it. Everyone agrees that digital transformation is essential for any enterprise, but few can define what it actually means to the modern business. Digital transformation does not specifically or exclusively define the consequences of digital technology. The term refers to the fact that technology, which happens to be digital, enables people to solve their traditional problems with digital solutions. It's not to say that their problems could not be solved using the older methods, they simply prefer the new way. *Digital (R)evolution: Strategies to Accelerate Business Transformation* explains

why digital transformation is necessary and provides a framework for executing an effective implementation strategy. Filling a significant gap in current knowledge, this timely book helps senior executives and technology leaders create practical strategies which, when correctly applied, lead to successful digital transformation. Author Yuri Aguiar, Chief Innovation and Transformation Officer at The Ogilvy Group, shares his real-world insights on developing new, digital-based business models and internal processes. Written in clear, straightforward language, this valuable guide: · Serves as a blueprint for successful digital transformation in any enterprise or organization · Addresses the strategy and governance requirements of businesses regardless of industry · Features in-depth, firsthand examples of various transformation strategies · Explains the factors that cause strategies to succeed or fail

Digital (R)evolution: Strategies to Accelerate Business Transformation is a much-needed resource for C-suite executives, corporate board members, corporate attorneys, investors, and venture capitalists.

Artificial Intelligence Sep 09 2021 For the students of B.E./B.Tech Computer Science Engineering and Information Technology (CSE/IT)

Artificially Intelligent Simon Jan 21 2020 Imagine finding a spaceship just full of technology several hundred years ahead of us. And there are no flight controls. It is piloted by

a sentient--formally sapient--artificial intelligence. It has powerful weapons that could destroy our planet, and medical technology that promise immortality. Can we humans, with our biological intelligence, bridge the gap with this electronic artificial intelligence and survive? What's in it for Simon, the name of this tantalizing spacecraft? This book will explore this question with an insight to where the human race is heading.

Ireland Since 1939 Dec 20 2019 This is the first comprehensive history of Ireland, North and South, which traces the developments from the Second World War to the Belfast Agreement, and the creation of a new inclusive government in Northern Ireland. It aims to avoid what is too often a partitioned approach to the history of Ireland, which treats the North and South in isolation from one another. Making extensive use of archival material from Belfast, Dublin, and London, *Ireland Since 1939* provides new perspectives on a range of important episodes - from Irish neutrality to the 1970 Arms Crisis, and from Lord Brookeborough's failed attempt to modernize the Northern Ireland state to the disastrous events of Bloody Sunday in Derry. Developments in Ireland are placed in an international context - from the period when the World War rescued Ulster Unionism from economic decline and social conflict to explaining how the end of the Cold War contributed to the IRA's 1994 ceasefire. The importance of economic developments on the political situation in both states is also

emphasized, and Patterson argues that the Celtic Tiger was an important factor in the recent talks between North and South.

AI 2009: Advances in Artificial Intelligence

Jul 27 2020 This book constitutes the refereed proceedings of the 22nd Australasian Joint Conference on Artificial Intelligence, AI 2009, held in Melbourne, Australia, in December 2009. The 68 revised full papers presented were carefully reviewed and selected from 174 submissions. The papers are organized in topical sections on agents; AI applications; computer vision and image processing; data mining and statistical learning; evolutionary computing; game playing; knowledge representation and reasoning; natural language and speech processing; soft computing; and user modelling.

Introduction to Artificial Intelligence and Expert Systems Apr 28 2023

Artificial Intelligence Agents and Environments for You ! Aug 20 2022 This updated and expanded second edition of Book provides a user-friendly introduction to the subject, Taking a clear structural framework, it guides the reader through the subject's core elements, which can be used as a learning material for students pursuing their studies in undergraduate and graduate levels in universities and colleges and those who want to learn the topic via a short and complete resource. We hope you find this book useful in shaping your future career.

The Education of Koko Jan 01 2021 A

personal, scientific account of the groundbreaking Project Koko discusses Patterson's controversial experimental program of teaching sign language to an ape.

VLSI for Artificial Intelligence and Neural Networks Nov 30 2020 This book is an edited selection of the papers presented at the International Workshop on VLSI for Artificial Intelligence and Neural Networks which was held at the University of Oxford in September 1990. Our thanks go to all the contributors and especially to the programme committee for all their hard work. Thanks are also due to the ACM-SIGARCH, the IEEE Computer Society, and the IEE for publicizing the event and to the University of Oxford and SUNY-Binghamton for their active support. We are particularly grateful to Anna Morris, Maureen Doherty and Laura Duffy for coping with the administrative problems. Jose Delgado-Frias Will Moore April

1991 vii PROLOGUE Artificial intelligence and neural network algorithms/computing have increased in complexity as well as in the number of applications. This in tum has posed a tremendous need for a larger computational power than can be provided by conventional scalar processors which are oriented towards numeric and data manipulations. Due to the artificial intelligence requirements (symbolic manipulation, knowledge representation, non-deterministic computations and dynamic resource allocation) and neural network computing approach (non-programming and learning), a different set of constraints and demands are imposed on the computer architectures for these applications.

The Democratization of Artificial Intelligence Jul 19 2022 After a long time of neglect, Artificial Intelligence is once again at the center of most of our political, economic,

and socio-cultural debates. Recent advances in the field of Artificial Neural Networks have led to a renaissance of dystopian and utopian speculations on an AI-rendered future. Algorithmic technologies are deployed for identifying potential terrorists through vast surveillance networks, for producing sentencing guidelines and recidivism risk profiles in criminal justice systems, for demographic and psychographic targeting of bodies for advertising or propaganda, and more generally for automating the analysis of language, text, and images. Against this background, the aim of this book is to discuss the heterogenous conditions, implications, and effects of modern AI and Internet technologies in terms of their political dimension: What does it mean to critically investigate efforts of net politics in the age of machine learning algorithms?