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URIEL MILLS

Learn Sales Management Techniques by Applying Artificial Intelligence to Automate Your Business Thanks to Machine Learning and Developing Leadership IGI Global

Artificial intelligence (AI) is taking an increasingly important role in our society. From cars, smartphones, airplanes, consumer applications, and even medical equipment, the impact of AI is changing the world around us. The ability of

machines to demonstrate advanced cognitive skills in taking decisions, learn and perceive the environment, predict certain behavior, and process written or spoken languages, among other skills, makes this discipline of paramount importance in today's world. Although AI is changing the world for the better in many applications, it also comes with its challenges. This book encompasses many applications as well as new techniques, challenges, and opportunities in this fascinating area.

New Trends in Software Methodologies, Tools and Techniques Springer

Artificial Intelligence (AI) in Healthcare is more than a comprehensive introduction to artificial intelligence as a tool in the generation and analysis of healthcare data. The book is split into two sections where the first section describes the current healthcare challenges and the rise of AI in this arena. The ten following chapters are written by specialists in each area, covering the whole healthcare ecosystem. First, the AI applications in drug design and drug development are presented followed by its applications in the field of cancer diagnostics, treatment and medical imaging. Subsequently, the application of AI in medical devices and surgery are covered as well as remote patient monitoring. Finally, the book dives into the topics of security, privacy, information sharing, health insurances and legal aspects of AI in healthcare.

Highlights different data techniques in healthcare data analysis, including machine learning and data mining. Illustrates different applications and challenges across the design, implementation and management of intelligent systems and healthcare data networks. Includes applications and case studies across all areas of AI in healthcare data.

20th International Conference on Industrial, Engineering, and Other Applications of Applied Intelligent Systems. IEA/AIE 2007, Kyoto, Japan, June 26-29, 2007, Proceedings IOS Press

New Trends in Applied Artificial Intelligence 20th International Conference on Industrial, Engineering, and Other Applications of Applied Intelligent Systems. IEA/AIE 2007, Kyoto, Japan, June 26-29, 2007, Proceedings Springer
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In a world where computer science is now an essential element in all of our lives, a new opportunity to disseminate the latest research and trends is always welcome. This book presents the proceedings of the first International Conference on Recent

Trends in Computing (ICRTC 2021), which was held as a virtual event on 21 – 22 May 2021 at Sanjivani College of Engineering, Kopargaon, India due to the restrictions of the COVID-19 pandemic. This online conference, aimed at facilitating academic exchange among researchers, enabled experts and scholars around from around the globe to gather for the discussion of the latest advanced research in the field despite the extensive travel restrictions still in place. The book contains 134 papers selected from 329 submitted papers after a rigorous peer-review process, and topics covered include advanced computing, networking, informatics, security and privacy, and other related fields. The book will be of interest to all those eager to find the latest trends and most recent developments in computer science.

20th International Conference on Industrial, Engineering, and Other Applications of Applied Intelligent Systems. IEA/AIE 2007, Kyoto, Japan, June 26-29, 2007, Proceedings BoD – Books on Demand

This book aims to bring together leading academic scientists, researchers, and research scholars to exchange and share their experiences and research results on all aspects of Artificial Intelligence. The book provides a premier interdisciplinary platform to present practical challenges and adopted solutions. The book addresses the complete functional framework workflow in Artificial Intelligence technology. It explores the basic and high-level concepts and can serve as a manual for the industry for beginners and the more advanced. It covers intelligent and automated systems and its implications to the real-world, and offers data acquisition and case studies related to data-intensive technologies in AI-based applications. The book will be of interest to researchers, professionals, scientists, professors, students of computer science engineering, electronics and communications, as well as information technology.

[Artificial Intelligence in Healthcare](#) IOS Press

This book presents different techniques and methodologies that used to help improve the decision-making process and increase the likelihood of success in sector as follows: agriculture, financial services, logistics, energy services, health and others. This book collects and consolidates innovative and high-quality research contributions regarding the implementation techniques and methodologies applied in different industrial sectors. The scope is to

disseminate current trends knowledge in the implementation of artificial intelligence techniques and methodologies in different fields as follows: supply chain, business intelligence, e-commerce, social media and others. The book contents are useful for Ph.D., Ph.D. students, master and undergraduate students, and professional and students in industrial engineering, computer science, information systems, data analytics and others.

Emerging Trends and Applications World Scientific

This book constitutes the refereed proceedings of the 20th International Conference on Industrial and Engineering Applications of Artificial Intelligence and Expert Systems, IEA/AIE 2007, held in Kyoto, Japan. Coverage includes text processing, fuzzy system applications, real-world interaction, data mining, machine learning chance discovery and social networks, e-commerce, heuristic search application systems, and other applications.

Recent Trends and Applications Springer

Industry 4.0 is based on the cyber-physical transformation of processes, systems and methods applied in the manufacturing sector, and on its autonomous and decentralized operation. Industry 4.0 reflects that the industrial world is at the beginning of the so-called Fourth Industrial Revolution, characterized by a massive interconnection of assets and the integration of human operators with the manufacturing environment. In this regard, data analytics and, specifically, the artificial intelligence is the vehicular technology towards the next generation of smart factories. Chapters in this book cover a diversity of current and new developments in the use of artificial intelligence on the industrial sector seen from the fourth industrial revolution point of view, namely, cyber-physical applications, artificial intelligence technologies and tools, Industrial Internet of Things and data analytics. This book contains high-quality chapters containing original research results and literature review of exceptional merit. Thus, it is in the aim of the book to contribute to the literature of the topic in this regard and let the readers know current and new trends in the use of artificial intelligence for the Industry 4.0.

Proceedings of the International Conference on Artificial Intelligence and Applied Mathematics in Engineering (ICAIAME 2020) Academic Press
Quantitative Structure-Activity Relationship (QSAR) is a field where true multidisciplinary approaches are being

used. This volume titled Recent Trends on QSAR in the Pharmaceutical Perceptions offers an overview on the latest advancements in the field.

Current Approaches in Applied Artificial Intelligence Springer

Annotation Emphasizes the convergence of information processing algorithms and associated technologies.

Artificial Intelligence and Exponential Technologies: Business Models Evolution and New Investment Opportunities

Springer Nature

The eleven chapters of this book represent an original contribution to the field of multimodal spoken dialogue systems. The material includes highly relevant topics, such as dialogue modeling in research systems versus industrial systems. The book contains detailed application studies, including speech-controlled MP3 players in a car environment, negotiation training with a virtual human in a military context and the application of spoken dialogue to question-answering systems.

New Trends in Software Methodologies, Tools and Techniques Springer

The recent pursuits emerging in the realm of big data processing, interpretation, collection and organization have emerged in numerous sectors including business, industry and government organizations. Data sets such as customer transactions for a mega-retailer, weather monitoring, intelligence gathering, quickly outpace the capacities of traditional techniques and tools of data analysis. The 3V (volume, variability and velocity) challenges led to the emergence of new techniques and tools in data visualization, acquisition, and serialization. Soft Computing being regarded as a plethora of technologies of fuzzy sets (or Granular Computing), neurocomputing and evolutionary optimization brings forward a number of unique features that might be instrumental to the development of concepts and algorithms to deal with big data. This carefully edited volume provides the reader with an updated, in-depth material on the emerging principles, conceptual underpinnings, algorithms and practice of Computational Intelligence in the realization of concepts and implementation of big data architectures, analysis, and interpretation as well as data analytics. The book is aimed at a broad audience of researchers and practitioners including those active in various disciplines in which big data, their analysis and optimization are of genuine relevance. One focal point is the systematic exposure of the concepts, design methodology, and detailed algorithms. In general, the volume adheres to the top-down strategy

starting with the concepts and motivation and then proceeding with the detailed design that materializes in specific algorithms and representative applications. The material is self-contained and provides the reader with all necessary prerequisites and augments some parts with a step-by-step explanation of more advanced concepts supported by a significant amount of illustrative numeric material and some application scenarios to motivate the reader and make some abstract concepts more tangible.

23rd International Conference on Industrial Engineering and Other Applications of Applied Intelligent Systems, IEA/AIE 2010, Cordoba, Spain, June 1-4, 2010, Proceedings, Part II Springer

This book briefly covers internationally contributed chapters with artificial intelligence and applied mathematics-oriented background-details. Nowadays, the world is under attack of intelligent systems covering all fields to make them practical and meaningful for humans. In this sense, this edited book provides the most recent research on use of engineering capabilities for developing intelligent systems. The chapters are a collection from the works presented at the 2nd International Conference on Artificial Intelligence and Applied Mathematics in Engineering held within 09-10-11 October 2010 at the Antalya, Manavgat (Turkey). The target audience of the book covers scientists, experts, M.Sc. and Ph.D. students, post-docs, and anyone interested in intelligent systems and their usage in different problem domains. The book is suitable to be used as a reference work in the courses associated with artificial intelligence and applied mathematics.

Multi-disciplinary Trends in Artificial Intelligence Springer

Easy access to digital information in every form is something which has become indispensable given our ever-increasing reliance on digital technology. But such access would not be possible without the reliable and effective infrastructure which has led to the large-scale development of web technologies. This book presents the 27 papers delivered at the 6th International Conference on Applications of Digital Information and Web Technologies (ICADIWT), held in February 2015, at the University of Macau, Macau. The book is divided into seven sections: Internet communication, human-computer interaction, adaptive web applications, data communication, cloud computing, systems engineering, and data mining. Since each paper is a survey contributed by different experts from very many

countries, this book can be seen as a collection of the current research trends in the field and hence it will be of interest to all those whose work involves digital information and web technology.

21st International Conference on Industrial, Engineering and Other Applications of Applied Intelligent Systems, IEA/AIE 2008 Wroclaw, Poland, June 18-20, 2008, Proceedings Academic Press

This book reports on the state of the art in multimedia information processing. The emphasis is on the convergence of information processing algorithms and associated technologies. The areas of interest include video/image coding, color vision, 3D reconstruction, field programmable devices, and many others. Contents: Selected Topics in Medical Image Processing (J Cornelis et al.) A Restoration Method for Delay Proportional Differentiated Services (J Tsiligaridis & R Acharya) Massive Marching: A Parallel Computation of Distance Function (E Dejno(ková et al.) A Novel Intrusive Voice Transmission Quality Test System for Mobile Networks (J Holub et al.) FPGAs Versus FPGA for Future Mobile Communications (S A Colsell & R Edwards) Nonuniform Sampling of Chrominance and Its Application to Intra-Frame Coding (M Doma(ski et al.) Analytical Design of 2-D FIR Filters for Image Compression (P Zahradnik & M Vlcek) HMM-based Dance Gesture Recognition (F Cheneviere et al.) A Progressive Wavelet Oriented Watershed Technique for Image Segmentation (D K Bechtsis et al.) Spiking Neuron Auditory Model for Speech Processing Systems (A V Ivanov et al.) Focal Region-Based Volume Rendering (J Zhou & K D Toennies) On the Choice of Transform for Low Frequency Image Watermarking (D Taskovski et al.) Online Classification of EEG Signals Using Artificial Neural Networks for Biofeedback Training of Patients with Epilepsy (M Schroder et al.) Data Mining and Telecommunication Fraud Detection Using Artificial Neural Networks (A J Hussain & E Chew) Large Scale Features in Prokaryote and Eukaryote Genomics Signals (P D Cristea) A Basis of Invariant Moments for Color Images (R Bidoggia & S Gentili) Fast Segmentation of Color Images Using the Fuzzy K-Means Algorithm and Different Sampling Approaches (A G Yiannoulis et al.) and other papers
Readership: Graduate students, academics and industrialists in image/video coding, multimedia, neural nets and image analysis. Keywords: Image Processing and Analysis; Video Coding; Neural Networks; Bioinformatics; Field

Programmable Devices;Fuzzy Logic;Multimedia

Artificial Higher Order Neural Networks for Computer Science and Engineering: Trends for Emerging Applications Springer

Presents trends and theories in the direction in which we believe software science and engineering may develop to transform the role of software and science in information society. This series contributes to elaborate on such trends and related academic research studies and development.

New Frontiers in Applied Artificial Intelligence IOS Press

This volume gathers selected, peer-reviewed original contributions presented at the International Conference on Computational Vision and Bio-inspired Computing (ICCVBIC) conference which was held in Coimbatore, India, on November 29-30, 2018. The works included here offer a rich and diverse sampling of recent developments in the fields of Computational Vision, Fuzzy, Image Processing and Bio-inspired Computing. The topics covered include computer vision; cryptography and digital privacy; machine learning and artificial neural networks; genetic algorithms and computational intelligence; the Internet of Things; and biometric systems, to name but a few. The applications discussed range from security, healthcare and epidemic control to urban computing, agriculture and robotics. In this book, researchers, graduate students and professionals will find innovative solutions to real-world problems in industry and society as a whole, together with inspirations for further research.

26th International Conference on Industrial, Engineering and Other Applications of Applied Intelligent Systems, IEA/AIE 2013, Amsterdam, The Netherlands, June 17-21, 2013, Proceedings BoD - Books on Demand

This book constitutes the thoroughly refereed proceedings of the 31st

International Conference on Industrial, Engineering and Other Applications of Applied Intelligent Systems, IEA/AIE 2018, held in Montreal, QC, Canada, in June 2018. The 53 full papers and 33 short papers presented were carefully reviewed and selected from 146 submissions. They are organized in the following topical sections: constraint solving and optimization; data mining and knowledge discovery; evolutionary computation; expert systems and robotics; knowledge representation, machine learning; meta-heuristics; multi-agent systems; natural language processing; neural networks; planning, scheduling and spatial reasoning; rough sets, Internet of Things (IoT), ubiquitous computing and big data; data science, privacy, and security; intelligent systems approaches in information extraction; and artificial intelligence, law and justice.

New Trends in Intelligent Software Methodologies, Tools and Techniques Bentham Science Publishers

This book constitutes the refereed conference proceedings of the 28th International Conference on Industrial, Engineering and Other Applications of Applied Intelligent Systems, IEA/AIE 2015, held in Seoul, South Korea, in June 2015. The 73 revised full papers presented were carefully reviewed and selected from 105 submissions. The papers cover a wide range of topics in applied artificial intelligence including reasoning, robotics, cognitive modeling, machine learning, pattern recognition, optimization, text mining, social network analysis, and evolutionary algorithms. They are organized in the following topical sections: theoretical AI, knowledge-based systems, optimization, Web and social networks, machine learning, classification, unsupervised learning, vision, image and text processing, and intelligent systems applications.

[Recent Trends in Multimedia Information](#)

[Processing](#) IGI Global

This book gathers a collection of high-quality, peer-reviewed research papers presented at the International Conference on Intelligent Computing, Communication and Devices (ICCD 2018), which address three core dimensions of the intelligent sciences—intelligent computing, intelligent communication, and intelligent devices. Intelligent computing includes areas such as intelligent and distributed computing, intelligent grid and cloud computing, Internet of Things, soft computing and engineering applications, data mining and knowledge discovery, semantic and web technology, hybrid systems, agent computing, bioinformatics, and recommendation systems. In turn, intelligent communication is concerned with communication and network technologies, such as mobile broadband and all-optical networks, which are the key to groundbreaking advances in intelligent communication technologies. It includes communication hardware, software and networked intelligence, mobile technologies, machine-to-machine communication networks, speech and natural language processing, routing techniques and network analytics, wireless ad hoc and sensor networks, communications and information security, signal, image and video processing, network management, and traffic engineering. Lastly, intelligent devices refer to any equipment, instruments, or machines that have their own computing capability, and covers areas such as embedded systems, radiofrequency identification (RFID), radiofrequency microelectromechanical systems (RF MEMS), very large-scale integration (VLSI) design and electronic devices, analog and mixed-signal integrated circuit (IC) design and testing, microelectromechanical systems (MEMS) and microsystems, solar cells and photonics, nanodevices, single electron and spintronic devices, space electronics, and intelligent robotics.

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