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KEY=INTERNATIONAL - JANIAH HARPER

International Journal of Computer Applications in Technology

International Journal of Computers & Applications

International Journal of System Dynamics Applications

January-March 2014

Peer Review

A Critical Inquiry

Rowman & Littlefield Peer review is the process by which submissions to journals and presses are evaluated with regard to suitability for publication. Armed with the results of numerous empirical studies, critics have leveled a variety of harsh charges against peer review such as: reviewers and editors are biased toward authors from prestigious institutions, peer review is biased toward established ideas, and it does a poor job of detecting errors and fraud. While an immense literature has sprouted on peer review in the sciences and social sciences, Peer Review is the first book-length, wide-ranging study of peer review that utilizes methods and resources of contemporary philosophy. Its six chapters cover the following topics: the tension between peer review and the liberal notion that truth emerges when ideas proliferate in the marketplace of ideas; arguments for and against blind review of submissions; the alleged conservatism of peer review; the anomalous nature of book reviewing; the status of non-peer-reviewed publications, such as invited articles or Internet publications, in tenure and promotion cases; and the future of peer review in the age of the Internet. The author has also included several key readings about peer review.

Internet of Things in Biomedical Engineering

Academic Press Internet of Things in Biomedical Engineering presents the most current research in Internet of Things (IoT) applications for clinical patient monitoring and treatment. The book takes a systems-level approach for both human-factors and the technical aspects of networking, databases and privacy. Sections delve into the latest advances and cutting-edge technologies, starting with an overview of the Internet of Things and biomedical engineering, as well as a focus on 'daily life.' Contributors from various experts then discuss 'computer assisted anthropology,' CLOUDFALL, and image guided surgery, as well as bio-informatics and data mining. This comprehensive coverage of the industry and technology is a perfect resource for students and researchers interested in the topic. Presents recent advances in IoT for biomedical engineering, covering biometrics, bioinformatics, artificial intelligence, computer vision and various network applications Discusses big data and data mining in healthcare and other IoT based biomedical data analysis Includes discussions on a variety of IoT applications and medical information systems Includes case studies and applications, as well as examples on how to automate data analysis with Perl R in IoT

Cloud Computing Technologies for Green Enterprises

IGI Global Emerging developments in cloud computing have created novel opportunities and applications for businesses. These innovations not only have organizational benefits, but can be advantageous for green enterprises as well. Cloud Computing Technologies for Green Enterprises is a pivotal reference source for the latest scholarly research on the advancements, benefits, and challenges of cloud computing for green enterprise endeavors.

Highlighting pertinent topics such as resource allocation, energy efficiency, and mobile computing, this book is a premier resource for academics, researchers, students, professionals, and managers interested in novel trends in cloud computing applications.

Robotic Systems: Concepts, Methodologies, Tools, and Applications

Concepts, Methodologies, Tools, and Applications

IGI Global Through expanded intelligence, the use of robotics has fundamentally transformed a variety of fields, including manufacturing, aerospace, medicine, social services, and agriculture. Continued research on robotic design is critical to solving various dynamic obstacles individuals, enterprises, and humanity at large face on a daily basis. Robotic Systems: Concepts, Methodologies, Tools, and Applications is a vital reference source that delves into the current issues, methodologies, and trends relating to advanced robotic technology in the modern world. Highlighting a range of topics such as mechatronics, cybernetics, and human-computer interaction, this multi-volume book is ideally designed for robotics engineers, mechanical engineers, robotics technicians, operators, software engineers, designers, programmers, industry professionals, researchers, students, academicians, and computer practitioners seeking current research on developing innovative ideas for intelligent and autonomous robotics systems.

Handbook of Research on Scalable Computing Technologies

IGI Global "This book presents, discusses, shares ideas, results and experiences on the recent important advances and future challenges on enabling technologies for achieving higher performance"--Provided by publisher.

Computer Science and its Applications

Ubiquitous Information Technologies

Springer The 6th FTRA International Conference on Computer Science and its Applications (CSA-14) will be held in Guam, USA, Dec. 17 - 19, 2014. CSA-14 presents a comprehensive conference focused on the various aspects of advances in engineering systems in computer science, and applications, including ubiquitous computing, U-Health care system, Big Data, UI/UX for human-centric computing, Computing Service, Bioinformatics and Bio-Inspired Computing and will show recent advances on various aspects of computing technology, Ubiquitous Computing Services and its application.

Cloud Computing Applications and Techniques for E-Commerce

IGI Global Many professional fields have been affected by the rapid growth of technology and information. Included in this are the business and management markets as the implementation of e-commerce and cloud computing have caused enterprises to make considerable changes to their practices. With the swift advancement of this technology, professionals need proper research that provides solutions to the various issues that come with data integration and shifting to a technology-driven environment. Cloud Computing Applications and Techniques for E-Commerce is an essential reference source that discusses the implementation of data and cloud technology within the fields of business and information management. Featuring research on topics such as content delivery networks, virtualization, and software resources, this book is ideally designed for managers, educators, administrators, researchers, computer scientists, business practitioners, economists, information analysts, sociologists, and students seeking coverage on the recent advancements of e-commerce using cloud computing techniques.

Modern Principles, Practices, and Algorithms for Cloud Security

IGI Global In today's modern age of information, new technologies are quickly emerging and being deployed into the field of information technology. Cloud computing is a tool that has proven to be a versatile piece of software within IT. Unfortunately, the high usage of Cloud has raised many concerns related to privacy, security, and data protection that have prevented cloud computing solutions from becoming the prevalent alternative for mission critical systems. Up-to-date research and current techniques are needed to help solve these vulnerabilities in cloud computing. Modern Principles, Practices, and Algorithms for Cloud Security is a pivotal reference source that provides vital research on the

application of privacy and security in cloud computing. While highlighting topics such as chaos theory, soft computing, and cloud forensics, this publication explores present techniques and methodologies, as well as current trends in cloud protection. This book is ideally designed for IT specialists, scientists, software developers, security analysts, computer engineers, academicians, researchers, and students seeking current research on the defense of cloud services.

Global Implications of Modern Enterprise Information Systems: Technologies and Applications

Technologies and Applications

IGI Global "This book presents useful strategies, techniques, and tools for the successful design, development, and implementation of enterprise information systems"--Provided by publisher.

Data Mining and Knowledge Discovery in Real Life Applications

BoD - Books on Demand This book presents four different ways of theoretical and practical advances and applications of data mining in different promising areas like Industrialist, Biological, and Social. Twenty six chapters cover different special topics with proposed novel ideas. Each chapter gives an overview of the subjects and some of the chapters have cases with offered data mining solutions. We hope that this book will be a useful aid in showing a right way for the students, researchers and practitioners in their studies.

Architecture and Security Issues in Fog Computing Applications

IGI Global As the progression of the internet continues, society is finding easier, quicker ways of simplifying their needs with the use of technology. With the growth of lightweight devices, such as smart phones and wearable devices, highly configured hardware is in heightened demand in order to process the large amounts of raw data that are acquired. Connecting these devices to fog computing can reduce bandwidth and latency for data transmission when associated with centralized cloud solutions and uses machine learning algorithms to handle large amounts of raw data. The risks that accompany this advancing technology, however, have yet to be explored. Architecture and Security Issues in Fog Computing Applications is a pivotal reference source that provides vital research on the architectural complications of fog processing and focuses on security and privacy issues in intelligent fog applications. While highlighting topics such as machine learning, cyber-physical systems, and security applications, this publication explores the architecture of intelligent fog applications enabled with machine learning. This book is ideally designed for IT specialists, software developers, security analysts, software engineers, academicians, students, and researchers seeking current research on network security and wireless systems.

High Performance Computing Systems. Performance Modeling, Benchmarking and Simulation

4th International Workshop, PMBS 2013, Denver, CO, USA, November 18, 2013. Revised Selected Papers

Springer This book constitutes the refereed proceedings of the 4th International Workshop, PMBS 2013 in Denver, CO, USA in November 2013. The 14 papers presented in this volume were carefully reviewed and selected from 37 submissions. The selected articles broadly cover topics on massively parallel and high-performance simulations, modeling and simulation, model development and analysis, performance optimization, power estimation and optimization, high performance computing, reliability, performance analysis, and network simulations.

Security and Privacy in Smart Sensor Networks

IGI Global Security and privacy protection within computer networks can be a challenge. By examining the current problems and challenges this domain is facing, more efficient strategies can be established to safeguard personal information against invasive pressures. Security and Privacy in Smart Sensor Networks is a critical scholarly resource that examines recent developments and emerging trends in smart sensor security and privacy by providing new models, practical solutions, and technological advances related to security. Featuring coverage on a broad range of topics such as cloud security, encryption, and intrusion detection systems, this book is geared towards academicians,

engineers, IT specialists, researchers, and students seeking current research on authentication and intrusion detection.

Challenges and Applications for Implementing Machine Learning in Computer Vision

IGI Global Machine learning allows for non-conventional and productive answers for issues within various fields, including problems related to visually perceptive computers. Applying these strategies and algorithms to the area of computer vision allows for higher achievement in tasks such as spatial recognition, big data collection, and image processing. There is a need for research that seeks to understand the development and efficiency of current methods that enable machines to see. Challenges and Applications for Implementing Machine Learning in Computer Vision is a collection of innovative research that combines theory and practice on adopting the latest deep learning advancements for machines capable of visual processing. Highlighting a wide range of topics such as video segmentation, object recognition, and 3D modelling, this publication is ideally designed for computer scientists, medical professionals, computer engineers, information technology practitioners, industry experts, scholars, researchers, and students seeking current research on the utilization of evolving computer vision techniques.

Apps Management and E-Commerce Transactions in Real-Time

IGI Global Technology is continuously advancing and changing the way aspects of business are performed. The implementation of mobile business transactions to acquire various types of goods has changed the landscape of consumerism. Apps Management and E-Commerce Transactions in Real-Time is a timely research publication that features the latest scholarly trends, issues, and implications of the use of a new technological forum in electronic buying and selling. Including extensive coverage on a number of topics and perspectives such as social networks, customer satisfaction, and cloud computing, this book is ideally designed for researchers, academicians, and students seeking current research on mobile solutions in business deals.

Advances in Secure Computing, Internet Services, and Applications

IGI Global Technological advancements have extracted a vast amount of useful knowledge and information for applications and services. These developments have evoked intelligent solutions that have been utilized in efforts to secure this data and avoid potential complex problems. Advances in Secure Computing, Internet Services, and Applications presents current research on the applications of computational intelligence in order to focus on the challenge humans face when securing knowledge and data. This book is a vital reference source for researchers, lecturers, professors, students, and developers, who have interest in secure computing and recent advanced in real life applications.

Handbook of Parallel Computing

Models, Algorithms and Applications

CRC Press The ability of parallel computing to process large data sets and handle time-consuming operations has resulted in unprecedented advances in biological and scientific computing, modeling, and simulations. Exploring these recent developments, the Handbook of Parallel Computing: Models, Algorithms, and Applications provides comprehensive coverage on a

Applications of Big Data in Large- and Small-Scale Systems

IGI Global With new technologies, such as computer vision, internet of things, mobile computing, e-governance and e-commerce, and wide applications of social media, organizations generate a huge volume of data and at a much faster rate than several years ago. Big data in large-/small-scale systems, characterized by high volume, diversity, and velocity, increasingly drives decision making and is changing the landscape of business intelligence. From governments to private organizations, from communities to individuals, all areas are being affected by this shift. There is a high demand for big data analytics that offer insights for computing efficiency, knowledge discovery, problem solving, and event prediction. To handle this demand and this increase in big data, there needs to be research on innovative and optimized machine learning algorithms in both large- and small-scale systems. Applications of Big Data in Large- and Small-Scale Systems includes state-of-the-art research findings on the latest development, up-to-date

issues, and challenges in the field of big data and presents the latest innovative and intelligent applications related to big data. This book encompasses big data in various multidisciplinary fields from the medical field to agriculture, business research, and smart cities. While highlighting topics including machine learning, cloud computing, data visualization, and more, this book is a valuable reference tool for computer scientists, data scientists and analysts, engineers, practitioners, stakeholders, researchers, academicians, and students interested in the versatile and innovative use of big data in both large-scale and small-scale systems.

High Performance Scientific and Engineering Computing

Hardware/Software Support

Springer Science & Business Media High Performance Scientific And Engineering Computing: Hardware/Software Support contains selected chapters on hardware/software support for high performance scientific and engineering computing from prestigious workshops in the fields such as PACT-SHPSEC, IPDPS-PDSECA and ICPP-HPSECA. This edited volume is basically divided into six main sections which include invited material from prominent researchers around the world. We believe all of these contributed chapters and topics not only provide novel ideas, new results and state-of-the-art techniques in this field, but also stimulate the future research activities in the area of high performance computing for science and engineering applications. High Performance Scientific And Engineering Computing: Hardware/Software Support is designed for a professional audience, composed of researchers and practitioners in industry. This book is also suitable as a secondary text for graduate-level students in computer science and engineering.

Mobile Services Industries, Technologies, and Applications in the Global Economy

IGI Global As business paradigms shift from desktop-centric environments to data-centric mobile environments, mobile services create numerous new business opportunities. At the same time, these advances may also challenge many of the basic premises of existing business models. Mobile Services Industries, Technologies, and Applications in the Global Economy fosters a scientific understanding of mobile services, provides a timely publication of current research efforts, and forecasts future trends in the mobile services industry and its important role in the world economy. Written for academics, researchers, government policymakers, and corporate managers, this comprehensive volume will outline the great potential for new business models and applications in mobile commerce.

Emerging Topics in Computer Vision and Its Applications

World Scientific This book gives a comprehensive overview of the most advanced theories, methodologies and applications in computer vision. Particularly, it gives an extensive coverage of 3D and robotic vision problems. Example chapters featured are Fourier methods for 3D surface modeling and analysis, use of constraints for calibration-free 3D Euclidean reconstruction, novel photogeometric methods for capturing static and dynamic objects, performance evaluation of robot localization methods in outdoor terrains, integrating 3D vision with force/tactile sensors, tracking via in-floor sensing, self-calibration of camera networks, etc. Some unique applications of computer vision in marine fishery, biomedical issues, driver assistance, are also highlighted.

Innovative Applications of Knowledge Discovery and Information Resources Management

IGI Global Technological advancements have become an integral part of life, impacting the way we work, communicate, make decisions, learn, and play. As technology continually progresses, humans are being outpaced by its capabilities, and it is important for businesses, organizations, and individuals to understand how to optimize data and to implement new methods for more efficient knowledge discovery and information management and retrieval. Innovative Applications of Knowledge Discovery and Information Resources Management offers in-depth coverage on the pervasiveness of technological change with a collection of material on topics such as the impact of permeable work-life boundaries, burnout and turnover, big data usage, and computer-based learning. It proves a worthy source for academicians, practitioners, IT leaders, IT professionals, and advanced-level students interested in examining the ways in which technology is changing the world.

Research Anthology on Machine Learning Techniques, Methods, and Applications

IGI Global Machine learning continues to have myriad applications across industries and fields. To ensure this technology is utilized appropriately and to its full potential, organizations must better understand exactly how and

where it can be adapted. Further study on the applications of machine learning is required to discover its best practices, challenges, and strategies. The Research Anthology on Machine Learning Techniques, Methods, and Applications provides a thorough consideration of the innovative and emerging research within the area of machine learning. The book discusses how the technology has been used in the past as well as potential ways it can be used in the future to ensure industries continue to develop and grow. Covering a range of topics such as artificial intelligence, deep learning, cybersecurity, and robotics, this major reference work is ideal for computer scientists, managers, researchers, scholars, practitioners, academicians, instructors, and students.

Handbook of Research on Computational Intelligence Applications in Bioinformatics

IGI Global Developments in the areas of biology and bioinformatics are continuously evolving and creating a plethora of data that needs to be analyzed and decrypted. Since it can be difficult to decipher the multitudes of data within these areas, new computational techniques and tools are being employed to assist researchers in their findings. The Handbook of Research on Computational Intelligence Applications in Bioinformatics examines emergent research in handling real-world problems through the application of various computation technologies and techniques. Featuring theoretical concepts and best practices in the areas of computational intelligence, artificial intelligence, big data, and bio-inspired computing, this publication is a critical reference source for graduate students, professionals, academics, and researchers.

International Journal of Computer Mathematical Sciences and Applications

Serials Publications

International Journal of Information Technology and Web Engineering (IJITWE).

First International Conference on Artificial Intelligence and Cognitive Computing

AICC 2018

Springer This book presents original research works by researchers, engineers and practitioners in the field of artificial intelligence and cognitive computing. The book is divided into two parts, the first of which focuses on artificial intelligence (AI), knowledge representation, planning, learning, scheduling, perception-reactive AI systems, evolutionary computing and other topics related to intelligent systems and computational intelligence. In turn, the second part focuses on cognitive computing, cognitive science and cognitive informatics. It also discusses applications of cognitive computing in medical informatics, structural health monitoring, computational intelligence, intelligent control systems, bio-informatics, smart manufacturing, smart grids, image/video processing, video analytics, medical image and signal processing, and knowledge engineering, as well as related applications.

Global Applications of Pervasive and Ubiquitous Computing

IGI Global As technology continues to play a vital role in our everyday lives, advancements in human-computer interaction studies embrace ubiquitous computing as a tool for information processing to evolve into the human environment. Global Applications of Pervasive and Ubiquitous Computing provides the global applications and efforts in building and applying pervasive and ubiquitous computer technology. This book provides an essential collection of research on information technology for educators, researchers, and practitioners aiming to advance the practice and understanding of pervasive and ubiquitous applications.

Geographic Information Systems: Concepts,

Methodologies, Tools, and Applications

Concepts, Methodologies, Tools, and Applications

IGI Global Developments in technologies have evolved in a much wider use of technology throughout science, government, and business; resulting in the expansion of geographic information systems. GIS is the academic study and practice of presenting geographical data through a system designed to capture, store, analyze, and manage geographic information. Geographic Information Systems: Concepts, Methodologies, Tools, and Applications is a collection of knowledge on the latest advancements and research of geographic information systems. This book aims to be useful for academics and practitioners involved in geographical data.

Internet and Distributed Computing Advancements: Theoretical Frameworks and Practical Applications

Theoretical Frameworks and Practical Applications

IGI Global "This book is a vital compendium of chapters on the latest research within the field of distributed computing, capturing trends in the design and development of Internet and distributed computing systems that leverage autonomic principles and techniques"--Provided by publisher.

The Semantic Web: Research and Applications

9th Extended Semantic Web Conference, ESWC 2012, Heraklion, Crete, Greece, May 27-31, 2012, Proceedings

Springer This book constitutes the refereed proceedings of the 9th Extended Semantic Web Conference, ESWC 2012, held in Heraklion, Crete, Greece, in May 2012. The 53 revised full papers presented were carefully reviewed and selected from 212 submissions. They are organized in tracks on linked open data, machine learning, natural language processing and information retrieval, ontologies, reasoning, semantic data management, services, processes, and cloud computing, social Web and Web science, in-use and industrial, digital libraries and cultural heritage, and e-government. The book also includes 13 PhD papers presented at the PhD Symposium.

21st Application of Computers and Operations Research in the Mineral Industry

Society for Mining Metallurgy

Applications of Artificial Neural Networks for Nonlinear Data

IGI Global Processing information and analyzing data efficiently and effectively is crucial for any company that wishes to stay competitive in its respective market. Nonlinear data presents new challenges to organizations, however, due to its complexity and unpredictability. The only technology that can properly handle this form of data is artificial neural networks. These modeling systems present a high level of benefits in analyzing complex data in a proficient manner, yet considerable research on the specific applications of these intelligent components is significantly deficient. Applications of Artificial Neural Networks for Nonlinear Data is a collection of innovative research on the contemporary nature of artificial neural networks and their specific implementations within data analysis. While highlighting topics including propagation functions, optimization techniques, and learning methodologies, this book is ideally designed for researchers, statisticians, academicians, developers, scientists, practitioners, students, and educators seeking current research on the use of artificial neural networks in diagnosing and solving nonparametric problems.

Digital Computers in Action

The Commonwealth and International Library: Computing Science and Cybernetics Division

Elsevier Digital Computers in Action is an introduction to the basics of digital computers as well as their programming and various applications in fields such as mathematics, science, engineering, economics, medicine, and law. Other topics include engineering automation, process control, special purpose games-playing devices, machine translation and mechanized linguistics, and information retrieval. This book consists of 14 chapters and begins by discussing the history of computers, from the idea of performing complex arithmetical calculations to the emergence of a modern view of the structure of a general purpose computing machine. Some of the most important applications of computers are also considered. This text introduces the structure and capabilities of the modern electronic digital computer; what operations can be performed by a typical machine and how these operations make the process of automatic calculation a useful one; and the uses of digital computers in mathematics, science, engineering, economics, medicine, and law. This book also examines the applications of computers to the automation of production engineering, process control in refinery transportation and the factory, and machine translation and mechanized linguistics. The final chapter deals with the use of computers in information storage and retrieval. This reference material is intended for students who wish to know how computers can be of assistance in their own disciplines.

Transforming E-Business Practices and Applications: Emerging Technologies and Concepts

Emerging Technologies and Concepts

IGI Global Transforming E-Business Practices and Applications: Emerging Technologies and Concepts presents an integrated view of the latest issues and technologies evolving from business transactions and support.

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Informatics and Management Science VI

Springer The International Conference on Informatics and Management Science (IMS) 2012 will be held on November 16-19, 2012, in Chongqing, China, which is organized by Chongqing Normal University, Chongqing University, Shanghai Jiao Tong University, Nanyang Technological University, University of Michigan, Chongqing University of Arts and Sciences, and sponsored by National Natural Science Foundation of China (NSFC). The objective of IMS 2012 is to facilitate an exchange of information on best practices for the latest research advances in a range of areas. "Informatics and Management Science "contains over 600 contributions to suggest and inspire solutions and methods drawing from multiple disciplines including: . Computer Science . Communications and Electrical Engineering . Management Science . Service Science . Business Intelligence"