

Research And Applications In Global Supercomputing Advances In Systems Analysis Software Engineering And High Performance Computing

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As the official journal of the Global Implementation Society, Global Implementation Research and Applications (GIRA) seeks rigorous studies, perspectives and experiences, commentaries and other types of submissions from researchers, policy makers, and stakeholders that may focus upon, but are not limited to:

Global Implementation Research and Applications | Home

Research and Applications in Global Supercomputing investigates current and emerging research in the field, as well as the application of this technology to a variety of areas. Highlighting a broad range of concepts, this publication is a comprehensive reference source for professionals, researchers, students, and practitioners interested in the various topics pertaining to supercomputing and how this technology can be applied to solve problems in a multitude of disciplines.

Research and Applications in Global Supercomputing ...

Global research and development is the discipline associated with designing research and development processes globally. This means that these processes span many countries, cultures, and...

Global Research & Development (R&D): Advantages & Role ...

Applications can include costs associated with these activities - see Finance Guidance for Global Health Research Units and Global Health Research Groups. Applicants should identify any known or anticipated risks which may be faced in delivering the research programme in the ODA-eligible partner country/(ies).

Global Health Research Programmes Stage 2 Applications ...

Implementation research is important in global health because it addresses the challenges of the know-do gap in real-world settings and the practicalities of achieving national and global health goals. Implementation research is an integrated concept that links research and practice to accelerate the development and delivery of public health approaches.

Implementation research: new imperatives and opportunities ...

The Global Forum on Bioethics in Research (GFBR) is comprised of a 'Steering Committee' and a 'Planning Committee' the composition of which is set out here. When making an application the contents - including your personal information that is set out below - will be stored and processed by Wellcome and those acting on behalf of Wellcome, including the GFBR Secretariat.

GFBR 2021 - call for applications now open! - Global Forum ...

A major dilemma in e-commerce research is how to achieve a balance between the currency and the life span of knowledge. Electronic Commerce Research and Applications will contribute to the establishment of a research community to create the knowledge, technology, theory, and applications for the development of electronic commerce. This is targeted at the intersection of technological potential and business aims.

Electronic Commerce Research and Applications - Journal ...

The application must have a direct and primary focus on improving health in an LMIC country or LMIC countries on the DAC list (see ODA eligibility). Scope. The call specification is based on the WHO COVID-19 Global Research Roadmap priorities identified through a consultative process that involved experts from across the world. In addition, we have taken into consideration the African Academy of Sciences research priorities for COVID-19, and input from external experts, for example DHSC's ...

Global Effort on COVID-19 (GECO) Health Research - Call ...

International Journal of Logistics Research and Applications, Volume 23, Issue 6 (2020) Impacts of China's Belt and Road Initiative on maritime transport and global logistics. Editorial . editorial.

International Journal of Logistics Research and Applications

Business research: Definition. Business research is a process of acquiring detailed information of all the areas of business and using such information in maximizing the sales and profit of the business. Such a study helps companies determine which product/service is most profitable or in demand. In simple words, it can be stated as the acquisition of information or knowledge for professional ...

Business Research: Definition, Methods, Types and Examples

Research programmes may start at any time of the year, but typically begin in September. There is no application deadline; research degree applications can be made at any time of the year, however those applying for scholarship funding will need to take note of scholarship deadlines and some scholarships might dictate your programme start date.

Global Health MPhil/PhD | UCL Graduate degrees - UCL ...

Microbiome Sequencing Services Market Research Report by Technology (Pyro sequencing, RNA Sequencing, Sanger Sequencing, Sequencing by Ligation (SBL), and Sequencing by Synthesis (SBS)), by End User (Pharmaceutical and Biotechnology Companies and Research and Academic Institutes), by Application - Global Forecast to 2025 - Cumulative Impact of COVID-19New York, Sept. 26, 2020 (GLOBE NEWSWIRE ...)

Microbiome Sequencing Services Market Research Report by ...

3. Research Methodology 4. Market Overview 5. Global Market Analysis and Forecast, by Types 6. Global Market Analysis and Forecast, by Applications 7. Global Market Analysis and Forecast, by Regions 8. North America Market Analysis and Forecast 9. Latin America Market Analysis and Forecast 10. Europe Market Analysis and Forecast 11.

Global Acne Vulgaris Market 2020| Industry Size, Share ...

Global Research report on Aviation Al-Li Alloys Products Market Size Forecast Segmented by Analysis, CAGR, Regions, Manufacturers, types and Applications Posted On: 16th September 2020 Posted By: sambit.k

Global Research report on Aviation Al-Li Alloys Products ...

This opportunity seeks to improve the connectivity between UK and Taiwan social science research communities. Proposals should contain a UK component, to be funded by ESRC, and a Taiwan component, to be funded by MOST. Applications to ESRC for the UK component must be submitted by a UK research organisation eligible for UKRI Funding.

UKRI - UK Research and Innovation

Bioactive Ingredients Market Research Report by Ingredient , by Application - Global Forecast to 2025 - Cumulative Impact of COVID-19

Bioactive Ingredients Market Research Report by Ingredient ...

New York, Nov. 04, 2020 (GLOBE NEWSWIRE) -- ReportLinker.com announces the release of the report "Biophotonics Market Research Report by Application, by End-Use - Global Forecast to 2025 ...

"This book examines the practical applications and implementation of various machine learning techniques in various fields such as agriculture, medical, image processing, and networking"--

Rapidly generating and processing large amounts of data, supercomputers are currently at the leading edge of computing technologies. Supercomputers are employed in many different fields, establishing them as an integral part of the computational sciences. Research and Applications in Global Supercomputing investigates current and emerging research in the field, as well as the application of this technology to a variety of areas. Highlighting a broad range of concepts, this publication is a comprehensive reference source for professionals, researchers, students, and practitioners interested in the various topics pertaining to supercomputing and how this technology can be applied to solve problems in a multitude of disciplines.

As computers continue to remain essential tools for the pursuit of physics, medicine, economics, social sciences, and more, supercomputers are proving that they can further extend and greatly enhance as-of-yet undiscovered knowledge and solve the world's most complex problems. As these instruments continue to lead to groundbreaking discoveries and breakthroughs, it is imperative that research remains up to date with the latest findings and uses. The Handbook of Research on Methodologies and Applications of Supercomputing is a comprehensive and critical reference book that provides research on the latest advances of control flow and dataflow supercomputing and highlights selected emerging big data applications needing high acceleration and/or low power. Consequently, this book advocates the need for hybrid computing, where the control flow part represents the host architecture and dataflow part represents the acceleration architecture. These issues cover the initial eight chapters. The remaining eight chapters cover selected modern applications that are best implemented on a hybrid computer, in which the transactional parts (serial code) are implemented on the control flow part and the loops (parallel code) on the dataflow part. These final eight chapters cover two major application domains: scientific computing and computing for digital economy. This book offers applications in marketing, medicine, energy systems, and library science, among others, and is an essential source for scientists, programmers, engineers, practitioners, researchers, academicians, and students interested in the latest findings and advancements in supercomputing.

In the challenging digital economy, bridging the gap between the external stakeholder and business entities through effective applications of technology carries more importance than ever before. By building a strong online presence and maintaining a long-lasting relationship with valuable customers through high-quality customer experience, companies continue to thrive during this digital age. The Handbook of Research on Technology Applications for Effective Customer Engagement is a pivotal reference source that provides vital research on the utilization of the best research practices for consumer satisfaction and loyalty. While highlighting topics such as target marketing, consumer behavior, and brand equity, this publication explores the applications of modern technology in marketing as well as recent business activities of international companies. This book is ideally designed for business professionals, practitioners, marketers, advertisers, brand managers, retailers, managers, academics, researchers, and graduate-level students.

With near-universal internet access and ever-advancing electronic devices, the ability to facilitate interactions between various hardware and software provides endless possibilities. Though internet of things (IoT) technology is becoming more popular among individual users and companies, more potential applications of this technology are being sought every day. There is a need for studies and reviews that discuss the methodologies, concepts, and possible problems of a technology that requires little or no human interaction between systems. The Handbook of Research on the Internet of Things Applications in Robotics and Automation is a pivotal reference source on the methods and uses of advancing IoT technology. While highlighting topics including traffic information systems, home security, and automatic parking, this book is ideally designed for network analysts, telecommunication system designers, engineers, academicians, technology specialists, practitioners, researchers, students, and software developers seeking current research on the trends and functions of this life-changing technology.

Mobile technologies have become a staple in society for their accessibility and diverse range of applications that are continually growing and advancing. Users are increasingly using these devices for activities beyond simple communication including gaming and e-commerce and to access confidential information including banking accounts and medical records. While mobile devices are being so widely used and accepted in daily life, and subsequently housing more and more personal data, it is evident that the security of these devices is paramount. As mobile applications now create easy access to personal information, they can incorporate location tracking services, and data collection can happen discreetly behind the scenes. Hence, there needs to be more security and privacy measures enacted to ensure that mobile technologies can be used safely. Advancements in trust and privacy, defensive strategies, and steps for securing the device are important foci as mobile technologies are highly popular and rapidly developing. The Research Anthology on Securing Mobile Technologies and Applications discusses the strategies, methods, and technologies being employed for security amongst mobile devices and applications. This comprehensive book explores the security support that needs to be required on mobile devices to avoid application damage, hacking, security breaches and attacks, or unauthorized accesses to personal data. The chapters cover the latest technologies that are being used such as cryptography, verification systems, security policies and contracts, and general network security procedures along with a look into cybercrime and forensics. This book is essential for software engineers, app developers, computer scientists, security and IT professionals, practitioners, stakeholders, researchers, academicians, and students interested in how mobile technologies and applications are implementing security protocols and tactics amongst devices.

In today's developing world, international trade is a field that is rapidly growing. Within this economic market, traders need to implement new approaches in order to satisfy consumers' rising demands. Due to the high level of competition, merchants have focused on developing new transportation and logistics strategies. In order to execute effective transportation tactics, decision makers need to know the fundamentals, current developments, and future trends of intercontinental transportation. The Handbook of Research on the Applications of International Transportation and Logistics for World Trade provides emerging research exploring the effective and productive solutions to global transportation and logistics by applying fundamental and in-depth knowledge together with current applications and future aspects. Featuring coverage on a broad range of topics such as international regulations, inventory management, and distribution networks, this book is ideally designed for logistics authorities, trading companies, logistics operators, transportation specialists, government officials, managers, policymakers, researchers, academicians, and students.

In the world of mathematics and computer science, technological advancements are constantly being researched and applied to ongoing issues. Setbacks in social networking, engineering, and automation are themes that affect everyday life, and researchers have been looking for new techniques in which to solve these challenges. Graph theory is a widely studied topic that is now being applied to real-life problems. The Handbook of Research on Advanced Applications of Graph Theory in Modern Society is an essential reference source that discusses recent developments on graph theory, as well as its representation in social networks, artificial neural networks, and many complex networks. The book aims to study results that are useful in the fields of robotics and machine learning and will examine different engineering issues that are closely related to fuzzy graph theory. Featuring research on topics such as artificial neural systems and robotics, this book is ideally designed for mathematicians, research scholars, practitioners, professionals, engineers, and students seeking an innovative overview of graphic theory.

Different levels in health sciences, in particular public health, have acknowledged the significant role of epidemiology methods for early detection of emerging infections, alert systems, and preparedness interventions. Therefore, it is important to understand how epidemiological research is conducted and how it can be used at various levels to make exposure or incidence data on a general population available. In this, epidemiological research connected to both human and technology interactions is of primary importance. Epidemiological Research Applications for Public Health Measurement and Intervention provides relevant theoretical frameworks and the latest empirical research findings in the field of epidemiology. The chapters within this essential reference source enhance the knowledge of epidemiological research and measurement to investigate, detect, and monitor emerging pathological infections. While highlighting topics that include the history of epidemiology; the applications of epidemiology; and also the uses, principles, and roles of epidemiology, this book is ideally intended for professionals and researchers working in the field of health sciences in various disciplines and government officials, policymakers, practitioners, stakeholders, researchers, academicians, and students who are interested in epidemiological research and measurement for increasing the effectiveness of public health practice.

FinTech, an abbreviated term for financial technology, is a digital revolution changing the way banking and financial services are being used both by individuals and businesses. As these changes continue to take place, the financial industry is focused on technological innovation and feeding into this digital revolution to better serve consumers who are looking for easier ways to invest, transfer money, use banking services, and more. FinTech is increasing accessibility to financial services, automating these services, expanding financial options, and enabling online payments and banking. While the benefits are being continually seen and this technology is becoming more widely accepted, there are still challenges facing the technology that include security concerns. To understand FinTech and its role in society, both the benefits and challenges must be reviewed and discussed for a holistic view on the digital innovations changing the face of the financial industry. The Research Anthology on Concepts, Applications, and Challenges of FinTech covers the latest technologies in FinTech with a comprehensive view of the impact on the industry, where these technologies are implemented, how they are improving financial services, and the security applications and challenges being faced. The chapters cover the options FinTech has unlocked, such as mobile banking and virtual transactions, while also focusing on the workings of the technology itself and security applications, such as blockchain and cryptocurrency. This book is a valuable reference tool for accountants, bankers, financial planners, financial analysts, business managers, economists, computer scientists, academicians, researchers, financial professionals, and students.

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