

Dr Nurain Hassan Ibrahim Working Paper From A Systematic

This two-volume set LNAI 12748 and 12749 constitutes the refereed proceedings of the 22nd International Conference on Artificial Intelligence in Education, AIED 2021, held in Utrecht, The Netherlands, in June 2021.* The 40 full papers presented together with 76 short papers, 2 panels papers, 4 industry papers, 4 doctoral consortium, and 6 workshop papers were carefully reviewed and selected from 209 submissions. The conference provides opportunities for the cross-fertilization of approaches, techniques and ideas from the many fields that comprise AIED, including computer science, cognitive and learning sciences, education, game design, psychology, sociology, linguistics as well as many domain-specific areas. *The conference was held virtually due to the COVID-19 pandemic.

This book is devoted to new developments in measurement technologies for upstream and downstream bioprocessing. The recent advances in biotechnology and bioprocessing have generated a number of new biological products that require more qualified analytical technologies for diverse process analytical needs. These includes especially fast and sensitive measurement technology that, early in the process train, can inform on critical process parameters related to process economy and product quality and that can facilitate ambitions of designing efficient integrated end-to-end bioprocesses. This book covers these topics as well as analytical monitoring methods based either on real-time or in-line sensor technology, on simple and compact bioanalytical devices, or on the use of advanced data prediction methods. International Conference on Semiconductor Materials and Technology (ICoSeMT 2019, 29-30 April 2019, Penang, Malaysia) was an inaugural event organized by the Institute of Nano Optoelectronics Research and Technology (INOR) and Universiti Sains Malaysia (USM) in conjunction with the 50th Anniversary of USM. This volume presents for readers the collection of papers that were represented on this event and reflects the modern trends in the area of materials science and technologies for opto- and microelectronics, photovoltaic systems, and photocatalysis, in analyze properties of modern functional materials, polymers, and composites. This collection will be useful for specialists from many branches of modern manufacture.

Looking to the future in confronting the Islamic State The Islamic State (best known in the West as ISIS or ISIL) has been active for less than a decade, but it has already been the subject of numerous histories and academic studies—all focus primarily on the past. The Future of ISIS is the first major study to look ahead: what are the prospects for the Islamic State in the near term, and what can the global community, including the United States, do to counter it? Edited by two distinguished scholars at Indiana University, the book examines how ISIS will affect not only the Middle East but the global order. Specific chapters deal with such questions as whether and how ISIS benefitted from intelligence failures, and what can be done to correct any such failures; how to confront the alarmingly broad appeal of Islamic State ideology; the role of local and regional actors in confronting ISIS; and determining U.S. interests in preventing ISIS from gaining influence and controlling territory. Given the urgency of the topic, The Future of ISIS is of interest to policymakers, analysts, and students of international affairs and public policy.

The special focus of this proceedings is to cover the areas of infrastructure engineering and sustainability management. The state-of-the art information in infrastructure and sustainable issues in engineering covers earthquake, bioremediation, synergistic management, timber engineering, flood management and intelligent transport systems. It provides precise information with regards to innovative research development in construction materials and structures in addition to a compilation of interdisciplinary finding combining nano-materials and engineering.

From Darfur to the Rwandan genocide, journalists, policymakers, and scholars have blamed armed conflicts in Africa on ancient hatreds or competition for resources. Here, Tsega Etefa compares three such cases—the Darfur conflict between Arabs and non-Arabs, the Gumuz and Oromo clashes in Western Oromia, and the Oromo-Pokomo conflict in the Tana Delta—in order to offer a fuller picture of how ethnic violence in Africa begins. Diverse communities in Sudan, Ethiopia, and Kenya alike have long histories of peacefully sharing resources, intermarrying, and resolving disputes. As he argues, ethnic conflicts are fundamentally political conflicts, driven by non-inclusive political systems, the monopolization of state resources, and the manipulation of ethnicity for political gain, coupled with the lack of democratic mechanisms for redressing grievances.

Writing boards and blackboards are emblematic of two radically different styles of education in Islam. The essays in this lively volume address various aspects of the expanding and evolving range of educational choices available to Muslims in sub-Saharan Africa. Contributors from the United States, Europe, and Africa evaluate classical Islamic education in Africa from colonial times to the present, including changes in pedagogical methods—from sitting to standing, from individual to collective learning, from recitation to analysis. Also discussed are the differences between British, French, Belgian, and Portuguese education in Africa and between mission schools and Qur'anic schools; changes to the classical Islamic curriculum; the changing intent of Islamic education; the modernization of pedagogical styles and tools; hybrid forms of religious and secular education; the inclusion of women in Qur'anic schools; and the changing notion of what it means to be an educated person in Africa. A new view of the role of Islamic education, especially its politics and controversies in today's age of terrorism, emerges from this broadly comparative volume.

This guide provides everything needed for humanitarian agencies and practitioners who want to improve their accountability and quality systems and are aiming for HAP certification. It will also be useful to government departments and international bodies interested in accountability and good practice in the humanitarian sector.

Biography of Kh?lid ibn al-Wal?d, d. 641 or 2, general of Islamic Empire.

Nanostructured Zinc Oxide covers the various routes for the synthesis of different types of nanostructured zinc oxide including; 1D (nanorods, nanowires etc.), 2D and 3D (nanosheets, nanoparticles, nanospheres etc.). This comprehensive overview provides readers with a clear understanding of the various parameters controlling morphologies. The book also reviews key properties of ZnO including optical, electronic, thermal, piezoelectric and surface properties and techniques in order to tailor key properties. There is a large emphasis in the book on ZnO nanostructures and their role in optoelectronics. ZnO is very interesting and widely investigated material for a number of applications. This book presents up-to-date information about the ZnO nanostructures-based applications such as gas sensing, pH sensing, photocatalysis, antibacterial activity, drug delivery, and electrodes for optoelectronics. Reviews methods to synthesize, tailor, and characterize 1D, 2D, and 3D zinc oxide nanostructured materials Discusses key properties of zinc oxide nanostructured materials including optical, electronic, thermal, piezoelectric, and surface properties Addresses most relevant zinc oxide applications in optoelectronics such as light-emitting diodes, solar cells, and sensors

Drawing on original research on community-based alternatives to offender rehabilitation, this book provides an up to date depiction of the challenges faced by front-line workers at the interface between criminal justice and welfare systems striving to address needs and provide multifaceted solutions. Using an innovative theoretical predicated on Activity Theory (AT) to dissect the problem, the book makes the case for co-created rehabilitation strategies that address the needs of offenders – which can only be achieved with the involvement of health and social welfare services as a means to provide a holistic support to individuals – and regard for the dilemmas front-line professionals face to deploy such strategies – which means shifting the top-down paradigm of policy implementation for co-created solutions. The book explores how AT can be used to help design commensurate interventions that give voice to all the interested actors involved in the rehabilitation process and providing readers with tools that help translate theory into practice. This book is essential reading for students, researcher, practitioners and other stakeholders focusing on co-created, bottom-up alternatives to imprisonment that benefit both

offenders, community and the state.

"In preparation for COP17 (17th Conference of the Parties) to the United Nations Framework Convention on Climate Change (UNFCCC), the African Centre for the Constructive Resolution of Disputes (ACCORD) in Durban, held a two-day expert seminar to identify issues and recommendations for ensuring that adaptation to climate change is conflict-sensitive ...papers presented during the meeting were peer-reviewed and compiled for this pertinent book." -- ACCORD.

'Strategic Information Management' has been completely up-dated to reflect the rapid changes in IT and the business environment since the publication of the second edition. Half of the readings in the book have been replaced to address current issues and the latest thinking in Information Management. It goes without saying that Information technology has had a major impact on individuals, organizations and society over the past 50 years or so. There are few organizations that can afford to ignore IT and few individuals who would prefer to be without it. As managerial tasks become more complex, so the nature of the required information systems (IS) changes - from structured, routine support to ad hoc, unstructured, complex enquiries at the highest levels of management. As with the first and second editions, this third edition of 'Strategic Information Management: Challenges and strategies in managing information systems' aims to present the many complex and inter-related issues associated with the management of information systems. The book provides a rich source of material reflecting recent thinking on the key issues facing executives in information systems management. It draws from a wide range of contemporary articles written by leading experts from North America and Europe. 'Strategic Information Management' is designed as a course text for MBA, Master's level students and senior undergraduate students taking courses in information management. It provides a wealth of information and references for researchers in addition.

Laura Huang, an award-winning Harvard Business School professor, shows that success is about gaining an edge: that elusive quality that gives you an upper hand and attracts attention and support. Some people seem to naturally have it. Now, Huang teaches the rest of us how to create our own from the challenges and biases we think hold us back, and turning them to work in our favor. How do you find a competitive edge when the obstacles feel insurmountable? How do you get people to take you seriously when they're predisposed not to, and perhaps have already written you off? Laura Huang has come up against that problem many times--and so has anyone who's ever felt out of place or underestimated. Many of us sit back quietly, hoping that our hard work and effort will speak for itself. Or we try to force ourselves into the mold of who we think is "successful," stifling the creativity and charm that makes us unique and memorable. In *Edge*, Huang offers a different approach. She argues that success is rarely just about the quality of our ideas, credentials, and skills, or our effort. Instead, achieving success hinges on how well we shape others' perceptions--of our strengths, certainly, but also our flaws. It's about creating our own edge by confronting the factors that seem like shortcomings and turning them into assets that make others take notice. Huang draws from her groundbreaking research on entrepreneurial intuition, persuasion, and implicit decision-making, to impart her profound findings and share stories of previously-overlooked Olympians, assistants-turned-executives, and flailing companies that made momentous turnarounds. Through her deeply-researched framework, Huang shows how we can turn weaknesses into strengths and create an edge in any situation. She explains how an entrepreneur scored a massive investment despite initially being disparaged for his foreign accent, and how a first-time political candidate overcame voters' doubts about his physical disabilities. *Edge* shows that success is about knowing who you are and using that knowledge unapologetically and strategically. This book will teach you how to find your unique edge and keep it sharp.

The global halal industry is likely to grow to between three and four trillion US dollars in the next five years, from the current estimated two trillion, backed by a continued demand from both Muslims and non-Muslims for halal products. Realising the importance of the halal industry to the global community, the Academy of Contemporary Islamic Studies (ACIS), the Universiti Teknologi MARA Malaysia (UiTM) and Sultan Sharif Ali Islamic University (UNISSA) Brunei have organised the 4th International Halal Conference (INHAC) 2019 under the theme "Enhancing Halal Sustainability". This book contains selected papers presented at INHAC 2019. It addresses halal-related issues that are applicable to various industries and explores a variety of contemporary and emerging issues. It covers aspects of halal food safety, related services such as tourism and hospitality, the halal industry - including aspects of business ethics, policies and practices, quality assurance, compliance and Shariah governance Issues, as well as halal research and educational development. Highlighting findings from both scientific and social research studies, it enhances the discussion on the halal industry (both in Malaysia and internationally), and serves as an invitation to engage in more advanced research on the global halal industry.

For the Muslim faithful, the familiar sound of the Qur'anic recitation is the predominant and most immediate means of contact with the Word of God. Heard day and night, on the street, in taxis, in shops, in mosques, and in homes, the sound of recitation is far more than the pervasive background music of daily life in the Arab world. It is the core of religious devotion, the sanctioning spirit of much cultural and social life, and a valued art form in its own right. Participation in recitation, as reciter or listener, is itself an act of worship, for the sound is basic to a Muslim's sense of religion and invokes a set of meanings transcending the particular occasion. For the most part, Westerners have approached the Qur'an much as scriptural scholars have studied the Bible, as a collection of written texts. *The Art of Reciting the Qur'an* aims at redirecting that focus toward a deeper understanding of the Qur'an as a fundamentally oral phenomenon. By examining Muslim attitudes toward the Qur'an, the institutions that regulate its recitation, and performer-audience expectations and interaction, Kristina Nelson, a trained Arabist and musicologist, casts new light on the significance of Qur'anic recitation within the world of Islam. Her landmark work is of importance to all scholars and students of the modern Middle East, as well as ethnomusicologists, anthropologists, linguists, folklorists, and religious scholars.

Flavor science is continually evolving. Remaining current with the latest research and establishing a broad and sound understanding of the major developments and breakthroughs can be a challenge. The Weurman Flavour Research Symposium has long been regarded as the premier professional meeting focused on the science of flavor. *Flavour Science*, an extensive review of the most recent symposium, presents the latest in flavor research, enriching the chemistry-based vision of most flavorists and flavor chemists with understanding from a broad range of fields, including human physiology, ethology, psychophysics, genetics, bioinformatics or metabolomics. This book is ideal for all flavor scientists, food chemists and sensory scientists and has a strong audience among enologists as well. Focuses on the rapidly changing field of flavor science Includes the latest information on the physiology, chemistry and measurement of flavor Presents practical information on the flavor industry and emerging trends

The aim of this code is to provide guidance on the preparation of good production drawings, specifications and schedules of work by making optimum use of widely adopted computer systems. This book constitutes the refereed proceedings of the 4th International Conference on Soft Computing in Data Science, SCDS 2018, held in Bangkok, Thailand, in August 2018. The 30 revised full papers presented were carefully reviewed and selected from 75 submissions. The papers are organized in topical sections on machine and deep learning, image processing, financial and fuzzy mathematics, optimization algorithms, data and text analytics, data visualization.

Ditulis secara terperinci tentang perjalanan hidup Nabi Muhammad Saw. Sebuah perjalanan sejarah yang dilengkapi dengan keterangan-keterangan bergambar mengenai tempat, kota, lokasi peperangan, dan rute kedatangan beliau di sana atau jalur yang pernah dituju oleh beliau. Ditambah juga dengan gambar-gambar penjelas, mulai dari kakeknya, Nabi Ibrahim, yang merupakan bapak para nabi, kelahirannya, peristiwa-peristiwa yang terjadi sebelum beliau diutus dan setelahnya, peristiwa hijrah, sampai kemudian beliau wafat. Buku atlas ini bukan sekedar buku tentang perjalanan hidup Nabi saw. saja. Akan tetapi, buku ini dilengkapi dengan berbagai ilustrasi yang menggambarkan setiap lika-liku hidupnya dalam bentuk gambar-gambar secara kronologis, lengkap dengan keterangan dan kutipan-kutipan untuk menjelaskan dan menerangkan maksudnya. [Mizan, Noura Books, Nabi, Muhammad, Agama, Islam, Hidup, Panutan, Sejarah, Indonesia]

The optimal approach to design, build, operate, and maintain buildings With this strategic guide to building information modeling (BIM), you'll learn how to implement this new technology as part of a comprehensive systems approach to the design, construction, management, operation, maintenance, and use of buildings. The authors, among the leading experts and pioneers in BIM, show you how BIM supports more streamlined, integrated, and efficient business processes throughout the lifecycle of buildings, from their initial conception through their eventual retirement or reuse. The result is better quality buildings, lower construction and operating costs, shorter project turnaround times, and a higher quality of building information to support better business decisions. Moreover, they set forth a plan for incorporating BIM into every organization's existing workflows, enabling you to take full advantage of all the benefits that BIM offers. Everything you need to implement a BIM approach is set forth in detail, including: The business case for BIM, demonstrating how it can improve collaboration, facilitate better design and construction, optimize workflow, and help reduce risk Guidance for meeting the challenges of BIM such as an entrenched business culture, the proliferation of BIM tools, and the uneven rates of BIM adoption The "big picture" view showing how your organization can work with business partners and fit into the building life cycle in a BIM-enabled industry Throughout the book, sample documents and figures help you better understand the principles of BIM and how it works in practice. In addition, first-hand accounts show you exactly how adopters of BIM have gained a competitive edge. Architects, engineers, constructors, building owners, and facility managers can turn to this book to realize the full potential of BIM and radically improve the way buildings are designed, built, operated, and maintained.

Given the pervasive nature of information technology and information systems in the modern world, the design and development of IS and IT are critical issues of concern. New research topics continuously emerge in tandem with the latest developments in technology-E-Business, Knowledge Management, Business Process Reengineering, for example. However, when the initial flurry of research abates and the "gloss" of these areas has diminished somewhat, as it inevitably does, the enduring core issue remains as to how to develop systems to fully exploit these new areas. Both information systems and information technology are interpreted fairly broadly in this book. Of particular interest to the editors were research studies that facilitate an understanding of the role and impact of information technology on society, organizations, and individuals, and which strive to improve the design and use of information systems in that context. The contributions to the book are categorized into four broad themes. First is the core issue of developing information systems in the current environment. In this section several fundamental challenges to current assumptions and conventional wisdom in information systems development are posed. The second section considers the management of information systems. Again, the conventional wisdom is challenged. The penultimate section focuses on researching information systems. Here, various issues to do with research methods are surfaced, and the use of leading-edge research methods in information systems development is pioneered and discussed. Finally, a section is devoted to understanding information systems. This section addresses the perennial challenge in the IS field in relation to the conceptual foundations of the field. This volume comprises the proceedings of the Working Conference on Realigning Research and Practice in Information Systems Development: The Social and Organizational Perspective, which was sponsored by the International Federation for Information Processing (IFIP) and held in Boise, Idaho, USA in July 2001. Given the central importance of information systems development in the current age, this eclectic book, which considers the topic from a rich and varied set of perspectives, will be essential reading for researchers and practitioners working in all areas of IS and IT.

The authors set forth the theory and rationale behind adopting a Guided Inquiry approach to PreK–12 education, as well as the expertise, roles and responsibilities of each member of the instructional team.

How does a telecommunications company function when its right hand often doesn't know what its left hand is doing? How do rapidly expanding, interdisciplinary organizations hold together and perform their knowledge work? In this book, Clay Spinuzzi draws on two warring theories of work activity - activity theory and actor-network theory - to examine the networks of activity that make a telecommunications company work and thrive. In doing so, Spinuzzi calls a truce between the two theories, bringing them to the negotiating table to parley about work. Specifically, about net work: the coordinative work that connects, coordinates, and stabilizes polycontextual work activities. To develop this uneasy dialogue, Spinuzzi examines the texts, trades, and technologies at play at Telecorp, both historically and empirically. Drawing on both theories, Spinuzzi provides new insights into how net work actually works and how our theories and research methods can be extended to better understand it.

Viewing transportation through the lens of current social, economic, and policy aspects, this four-volume reference work explores the topic of transportation across multiple disciplines within the social sciences and related areas, including geography, public policy, business, and economics. The book's articles, all written by experts in the field, seek to answer such questions as: What has been the legacy, not just economically but politically and socially as well, of President Eisenhower's modern interstate highway system in America? With that system and the infrastructure that supports it now in a state of decline and decay, what's the best path for the future at a time of enormous fiscal constraints? Should California politicians plunge ahead with plans for a high-speed rail that every expert says—despite the allure—will go largely unused and will never pay back the massive

investment while at this very moment potholes go unfilled all across the state? What path is best for emerging countries to keep pace with dramatic economic growth for their part? What are the social and financial costs of gridlock in our cities? Features: Approximately 675 signed articles authored by prominent scholars are arranged in A-to-Z fashion and conclude with Further Readings and cross references. A Chronology helps readers put individual events into historical context; a Reader's Guide organizes entries by broad topical or thematic areas; a detailed index helps users quickly locate entries of most immediate interest; and a Resource Guide provides a list of journals, books, and associations and their websites. While articles were written to avoid jargon as much as possible, a Glossary provides quick definitions of technical terms. To ensure full, well-rounded coverage of the field, the General Editor with expertise in urban planning, public policy, and the environment worked alongside a Consulting Editor with a background in Civil Engineering. The index, Reader's Guide, and cross references combine for thorough search-and-browse capabilities in the electronic edition. Available in both print and electronic formats, Encyclopedia of Transportation is an ideal reference for libraries and those who want to explore the issues that surround transportation in the United States and around the world.

This book uses action research to conduct research activities in information technology and systems. It covers the methodological issues that arise when action research methods are conducted, provides examples of action research in practice, and summarizes the philosophical foundations of action research and its application as a methodology in Information Systems research and research programs.

With over 400 drug monographs, this book covers the technical, practical and legal aspects that you should consider before prescribing or administering drugs via enteral feeding tubes.

Human capital is an important factor for economic growth in South Asia. Between 1981 and 2010, human capital contributed about 22% of annual gross domestic product per worker growth in India. During the same period, it contributed around 21% in Bangladesh, and 16% in Sri Lanka. However, education and skills remain the binding constraint. Raising the quality of education and skills in South Asia's workforce can play a critical role in catching up to the level of development of the People's Republic of China, the Republic of Korea, and other successful Southeast Asian economies. This study reviews the development of human capital in South Asia and analyzes contributing factors to human development including policies and strategies that countries in South Asia follow.

Building Information Modeling A Strategic Implementation Guide for Architects, Engineers, Constructors, and Real Estate Asset Managers John Wiley & Sons

Food Quality and Shelf Life covers all aspects and challenges of food preservation, packaging and shelf-life. It provides information on the most important pillars in the field, starting with active and smart packaging materials, novel technologies, and control tools in all stages between production and consumer. The book gives emphasis to methodological approaches for sensory shelf-life estimation and the impact of packaging on sensorial properties. Researchers and professionals alike will find this reference useful, especially those who are interested in the performance evaluation of future packaging for fresh produce in the cold chain and temperature management in the supply chain. Presents insights regarding new trends in emerging technologies in the field Includes hot topics, such as modified atmosphere packaging and active materials to improve shelf-life Provides shelf-life assessment and modeling methodologies and accelerated shelf-life testing

From one of our preeminent journalists and modern historians comes the epic story of Barack Obama and the world that created him. In Barack Obama: The Story, David Maraniss has written a deeply reported generational biography teeming with fresh insights and revealing information, a masterly narrative drawn from hundreds of interviews, including with President Obama in the Oval Office, and a trove of letters, journals, diaries, and other documents. The book unfolds in the small towns of Kansas and the remote villages of western Kenya, following the personal struggles of Obama's white and black ancestors through the swirl of the twentieth century. It is a roots story on a global scale, a saga of constant movement, frustration and accomplishment, strong women and weak men, hopes lost and deferred, people leaving and being left. Disparate family threads converge in the climactic chapters as Obama reaches adulthood and travels from Honolulu to Los Angeles to New York to Chicago, trying to make sense of his past, establish his own identity, and prepare for his political future. Barack Obama: The Story chronicles as never before the forces that shaped the first black president of the United States and explains why he thinks and acts as he does. Much like the author's classic study of Bill Clinton, First in His Class, this promises to become a seminal book that will redefine a president.

This book is a compilation of Researcher Profiles from Centre for Advanced Research on Energy (CARE), Universiti Teknikal Malaysia Melaka.

In recent years, building information modeling has become a very active research area of construction informatics with investigation of ICT use within construction industry processes and organizations. The Handbook of Research on Building Information Modeling and Construction Informatics: Concepts and Technologies addresses the problems related to information integration and interoperability throughout the lifecycle of a building, from feasibility and conceptual design through to demolition and recycling stages. Containing research from leading international experts, this Handbook of Research provides comprehensive coverage and definitions of the most important issues, concepts, trends, and technologies within the field.

The Turn analyzes the research of information seeking and retrieval (IS&R) and proposes a new direction of integrating research in these two areas: the fields should turn off their separate and narrow paths and construct a new avenue of research. An essential direction for this avenue is context as given in the subtitle Integration of Information

Seeking and Retrieval in Context. Other essential themes in the book include: IS&R research models, frameworks and theories; search and works tasks and situations in context; interaction between humans and machines; information acquisition, relevance and information use; research design and methodology based on a structured set of explicit variables - all set into the holistic cognitive approach. The present monograph invites the reader into a construction project - there is much research to do for a contextual understanding of IS&R. The Turn represents a wide-ranging perspective of IS&R by providing a novel unique research framework, covering both individual and social aspects of information behavior, including the generation, searching, retrieval and use of information. Regarding traditional laboratory information retrieval research, the monograph proposes the extension of research toward actors, search and work tasks, IR interaction and utility of information. Regarding traditional information seeking research, it proposes the extension toward information access technology and work task contexts. The Turn is the first synthesis of research in the broad area of IS&R ranging from systems oriented laboratory IR research to social science oriented information seeking studies.

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