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Innovations in the Industrial Internet of Things (IIoT) and Smart Factory Goundar, Sam 2021-01-22 Industrial internet of things (IIoT) is changing the face of industry by completely redefining the way stakeholders, enterprises, and machines connect and interact with each other in the industrial digital ecosystem. Smart and connected factories, in which all the machinery transmits real-time data, enable industrial data analytics for improving operational efficiency, productivity, and industrial processes, thus creating new business opportunities, asset utilization, and connected services. IIoT leads factories to step out of legacy environments and arcane processes towards open digital industrial ecosystems. Innovations in the Industrial Internet of Things (IIoT) and Smart Factory is a pivotal reference source that discusses the development of models and algorithms for predictive control of industrial operations and focuses on optimization of industrial operational efficiency, rationalization, automation, and maintenance. While highlighting topics such as artificial intelligence, cyber security, and data collection, this book is ideally designed for engineers, manufacturers, industrialists, managers, IT consultants, practitioners, students, researchers, and industrial industry professionals.

The Proceedings of the International Conference on Information Engineering, Management and Security 2014 JBV Subramanyam, Kokula Krishna Hari K 2014-05-15 The Proceedings of the International Conference on Information Engineering, Management and Security 2014 which happened at Christu Jyoti Institute of Technology.

Biofuel's Engineering Process Technology Marco Aurelio Dos Santos Bernardes 2011-08-01 This book aspires to be a comprehensive summary of current biofuels issues and thereby contribute to the understanding of this important topic. Readers will find themes including biofuels development efforts, their implications for the food industry, current and future biofuels crops, the successful Brazilian ethanol program, insights of the first, second, third and fourth biofuel generations, advanced biofuel production techniques, related waste treatment, emissions and environmental impacts, water consumption, produced allergens and toxins. Additionally, the biofuel policy discussion is expected to be continuing in the foreseeable future and the reading of the biofuels features dealt with in this book, are recommended for anyone interested in understanding this diverse and developing theme.

A Textbook of Industrial Relations Management

A. P. Verma 2013

Handbook of Research on Design and Management of Lean Production Systems Modrák, Vladimír 2014-01-31 "This book explores the recent advancements in the areas of lean production, management, and the system and layout design for manufacturing environments, capturing the building blocks of lean transformation on a shop floor level"--

An Integrated Company-Wide Management System Souraj Salah 2018-08-30 This book offers a comprehensive guide to implementing a company-wide management system (CWMS), utilising up-to-date methodologies of lean-six sigma in order to achieve high levels of business excellence. It builds the foundation for quality and continuous improvement, which can be implemented in any organization. The book begins with an introduction to and an overview of CWMSs, and reviews the existing literature on various management systems. It then discusses the integration and implementation of lean-six sigma in supply chain management. The integration approach presented highlights the link between the existing management systems and shows how continuous improvement methodologies are incorporated. The book then examines the components of CWMS, comparing them to other systems. It also explores Kano-based six sigma and concludes with further recommendations for reading. This book covers five management systems integrated into one novel approach that can be followed by organizations wishing to achieve quality and business excellence. Covering lean-six sigma – an essential element of management systems – it is a valuable resource for practitioners and academics alike.

Diagnostic Techniques in Industrial Engineering Mangey Ram 2017-10-20 This book presents the most important tools, techniques, strategy and diagnostic methods used in industrial engineering. The current widely accepted methods of diagnosis and their properties are discussed. Also, the possible fruitful areas for further research in the field are identified.

Multi-Criteria Decision Analysis in Management Behl, Abhishek 2020-02-01 Multi-criteria decision making (MCDM) has been extensively used in diverse disciplines, with a variety of MCDM techniques used to solve complex problems. A primary challenge faced by research scholars is to decode these techniques using detailed step-by-step analysis with case studies and data sets. The scope of such work would help decision makers to understand the process of using MCDM techniques appropriately to solve complex issues without making mistakes. Multi-Criteria Decision Analysis in Management provides innovative insights into the rationale behind using MCDM techniques to solve decision-making problems and provides comprehensive discussions on these techniques from their inception, development, and growth to their advancements and applications. The content within this publication examines hybrid multicriteria models, value theory, and data envelopment. Ideal for researchers, management professionals, students, operations scholars, and academicians, this scholarly work supports and enhances the decision-making process.

Algorithmic Strategies for Solving Complex Problems in Cryptography Balasubramanian, Kannan 2017-08-16 Cryptography is a field that is constantly advancing, due to exponential growth in new technologies within the past few decades. Applying strategic algorithms to cryptic issues can help save time and energy in solving the expanding problems within this field. Algorithmic Strategies for Solving Complex Problems in Cryptography is an essential reference source that discusses the evolution and current trends in cryptology, and it offers new insight into how to use strategic algorithms to aid in solving intricate difficulties within this domain. Featuring relevant topics such as hash functions, homomorphic encryption schemes, two party computation, and integer factoring, this publication is ideal for academicians, graduate students, engineers, professionals, and researchers interested in expanding their knowledge of current trends and techniques within the cryptology field.

Technological Innovations in Knowledge Management and Decision Support Dey, Nilanjan 2018-07-27 Organizations are showing a remarkable interest in realizing knowledge management technologies and processes to adopt knowledge management as part of their overall strategy.

However, even with the current advancement in technology, few organizations are entirely capable of developing critical organizational knowledge to achieve improved performance. Technological Innovations in Knowledge Management and Decision Support is a vital research publication that examines different knowledge management areas for organizational competitiveness, survival, and effectiveness. It also provides cutting-edge research techniques in related optimization methods and other automated techniques in real-world processes. Featuring a broad range of topics such as enterprise resource planning, neural networks, and image segmentation, this book is a critical resource for managers, IT specialists, healthcare and social sciences professionals, engineers, academicians, and researchers seeking research on effective knowledge management systems.

6th International Technical Conference on Advances in Computing, Control and Industrial Engineering (CCIE 2021) Yuriy S. Shmaliy 2022-07-05 This proceedings focus on selected aspects of recent advances and experiences, emerging technology trends that have positively impacted our world from operators, authorities and associations from around the world to help address the world's computing, control and industrial engineering. Meanwhile, although the group that studies Computing, Control and Industrial Engineering is very large, the topics included into this proceedings have the extremely high research value. The program chair, speakers, and editors of this conference are well-known person in the industry, and CCIE2021 will also strictly select articles when calling for papers.

Industrial Engineering & Management 1967

Manufacturing and Industrial Engineering Pankaj Agarwal 2021-07-19 Advances in manufacturing and industrial engineering in terms of advanced and latest technologies are required nowadays to attend the accelerated demands of high quality, productivity, and sustainability simultaneously. This book fulfils the requirement by offering unique comprehensive chapters on advances in manufacturing and industrial engineering technologies with an emphasis on Industry 4.0. This book sheds light on advances in the field of manufacturing and industrial engineering for enhancement in productivity, quality, and sustainability. It comprehensively covers the recent developments, latest trends, research, and innovations being carried out. 3D printing, green manufacturing, computer integrated manufacturing, cloud manufacturing, intelligent condition monitoring, advanced forming, automation, supply chain optimization, and advanced manufacturing of composites are covered in this book. Industry 4.0 based technologies for mechanical and industrial engineering are also presented with both a theoretical and a practical focus. This book is written for students, researchers, professors, and engineers working in the fields of manufacturing, industrial, materials science, and mechanical engineering.

Advances in RAMS Engineering Durga Rao Karanki 2019-12-10 This book surveys reliability, availability, maintainability and safety (RAMS) analyses of various engineering systems. It highlights their role throughout the lifecycle of engineering systems and explains how RAMS activities contribute to their efficient and economic design and operation. The book discusses a variety of examples and applications of RAMS analysis, including: • software products; • electrical and electronic engineering systems; • mechanical engineering systems; • nuclear power plants; • chemical and process plants and • railway systems. The wide-ranging nature of the applications discussed highlights the multidisciplinary nature of complex engineering systems. The book provides a quick reference to the latest advances and terminology in various engineering fields, assisting students and researchers in the areas of reliability, availability, maintainability, and safety engineering.

Fuzzy Hybrid Computing in Construction Engineering and Management Aminah Robinson Fayek 2018-10-05 This book is a guide for students, researchers, and practitioners to the latest developments in fuzzy hybrid computing in construction engineering and management. It discusses basic theory related to fuzzy logic and fuzzy hybrid computing, their application in a range of practical construction problems, and emerging and

future research trends.

Proceedings on 25th International Joint Conference on Industrial Engineering and Operations Management – IJCIEOM Zoran Anisic 2020-03-20 This book presents the conference proceedings of the 25th edition of the International Joint Conference on Industrial Engineering and Operations Management. The conference is organized by 6 institutions (from different countries and continents) that gather a large number of members in the field of operational management, industrial engineering and engineering management. This edition of the conference had the title: THE NEXT GENERATION OF PRODUCTION AND SERVICE SYSTEMS in order to emphasis unpredictable and very changeable future. This conference is aimed to enhance connection between academia and industry and to gather researchers and practitioners specializing in operation management, industrial engineering, engineering management and other related disciplines from around the world.

Advances in Product Design Engineering Panagiotis Kyratsis

Big Data and Blockchain for Service Operations Management Ali Emrouznejad 2022 This book aims to provide the necessary background to work with big data blockchain by introducing some novel applications in service operations for both academics and interested practitioners, and to benefit society, industry, academia, and government. Presenting applications in a variety of industries, this book intends to cover theory, research, development, and applications of big data and blockchain, as embedded in the fields of mathematics, engineering, computer science, physics, economics, business, management, and life sciences, to help service operations management.

Application of Optimization in Production, Logistics, Inventory, Supply Chain Management and Block Chain Biswajit Sarkar The evolution of industrial development since the 18th century is now experiencing the fourth industrial revolution. The effect of the development has propagated into almost every sector of the industry. From inventory to the circular economy, the effectiveness of technology has been fruitful for industry. The recent trends in research, with new ideas and methodologies, are included in this book. Several new ideas and business strategies are developed in the area of the supply chain management, logistics, optimization, and forecasting for the improvement of the economy of the society and the environment. The proposed technologies and ideas are either novel or help modify several other new ideas. Different real life problems with different dimensions are discussed in the book so that readers may connect with the recent issues in society and industry. The collection of the articles provides a glimpse into the new research trends in technology, business, and the environment.

Digitalization of Decentralized Supply Chains During Global Crises Taghipour, Atour 2021-06-18 During global crises, apart from humanitarian concerns, at the economic level, supply chains around the world can be impacted. These crises can cause huge uncertainties in both the supply and demand parts of supply chains. On one side, the demand for some products and services can be reduced. On the other side, manufacturers around the world are facing shortages of supplies of raw materials and parts because of interruptions in production, disruptions to transportation, and labor shortages. In this context, organizations start to re-examine their production and service systems based on digitization of operations to not only mitigate the risk but also to build a resilient supply chain while continuing to reduce costs and maximize profits. The question that can be asked is how the decentralized supply chains can integrate new technologies to compete in a risky environment in global crises. Digitalization of Decentralized Supply Chains During Global Crises provides new approaches of digitalization of decentralized supply chains and industries to help researchers, educators, consultants, and practitioners deal with global crises and improve the global performance of supply chains. Important topics covered include blockchain, internet of things, 3D technologies, and Industry 4.0 technologies within the context of digital supply chains. This book is important for supply chain managers, manufacturers, producers, logistics personnel, economists, practitioners, stakeholders, researchers, academicians, and students.

Big bang disruption Larry Downes 2014-10-18 Gevestigde bedrijven lopen groot gevaar. Met name de bedrijven die een uitgekristalliseerd

proces of een specialistisch product hebben, kunnen zomaar ingehaald worden door een nieuwkomer op de markt, die met goedkope technologie of een ander proces dezelfde of zelfs hogere kwaliteit biedt. Dit is het proces van Big Bang Disruption. De bekendste voorbeelden zijn Booking.com, dat reisbureaus overbodig maakte (en nu zelf lijkt te worden ingehaald door Airbnb), en Amazon, dat de traditionele boekhandel en uitgeverij ondermijnt. Een gevestigd bedrijf is echter niet automatisch gedoemd bij de komst van een nieuwe speler in de markt. In dit boek geven de auteurs twaalf strategieën om een aanval van een nieuwkomer te pareren of voor te zijn. In de traditie van Michael Porter en Clayton Christensen beschrijft dit boek het nieuwe paradigma voor bedrijfsstrategie en is daarmee een must voor ondernemers, marketeers en bedrijfseconomen.

Stochastic Methods for Estimation and Problem Solving in Engineering Kadry, Seifedine 2018-03-02 Utilizing mathematical algorithms is an important aspect of recreating real-world problems in order to make important decisions. By generating a randomized algorithm that produces statistical patterns, it becomes easier to find solutions to countless situations. Stochastic Methods for Estimation and Problem Solving in Engineering provides emerging research on the role of random probability systems in mathematical models used in various fields of research. While highlighting topics, such as random probability distribution, linear systems, and transport profiling, this book explores the use and behavior of uncertain probability methods in business and science. This book is an important resource for engineers, researchers, students, professionals, and practitioners seeking current research on the challenges and opportunities of non-deterministic probability models.

Knowledge Management and Web 3.0 Sandeep Kautish 2021-11-22 Knowledge Management makes the management of information and resources within a commercial organization more effective. The contributions of this book investigate the applications of Knowledge Management in the upcoming era of Semantic Web, or Web 3.0, and the opportunities for reshaping and redesigning business strategies for more effective outcomes.

Universities Handbook 2010

Handbook of Research on Integrating Industry 4.0 in Business and Manufacturing Karabegovi?, Isak 2020-03-27 In Industry 4.0, industrial productions are adjusted to complete smart automation, which means introducing self-automation methods, self-configuration, self-diagnosis of problems and removal, cognition, and intelligent decision making. This implementation of Industry 4.0 brings about a change in business paradigms and production models, and this will be reflected at all levels of the production process including supply chains and will involve all workers in the production process from managers to cyber-physical systems designers and customers as end-users. The Handbook of Research on Integrating Industry 4.0 in Business and Manufacturing is an essential reference source that explores the development and integration of Industry 4.0 by examining changes and innovations to manufacturing processes as well as its applications in different industrial areas. Featuring coverage on a wide range of topics such as cyber physical systems, integration criteria, and artificial intelligence, this book is ideally designed for mechanical engineers, electrical engineers, manufacturers, supply chain managers, logistics specialists, investors, managers, policymakers, production scientists, researchers, academicians, and students at the postgraduate level.

Nanotechnology-Based Sustainable Alternatives for the Management of Plant Diseases Giorgio Mariano Balestra 2021-10-23 Nanotechnology-based Sustainable Alternatives for the Management of Plant Diseases addresses the power of sustainable nanomaterials for plant and food protection. The book highlights dangers arising from bacteria, fungi, viruses, insects, seeds, plants, fruits and food production and summarizes new and sustainable strategies. It places a particular focus on plant pathogen control, and in the food packaging sector in agri-food applications. The control of plant pathogens in plants and in food has been conventionally made by adding chemical preservatives and by using thermal processing, but sustainable nanotechnology can be a power tool to aid in this complex set of challenges. Advances in materials science have led

to the rapid development of nanotechnology that has great potential for improving food safety as a powerful tool for the delivery and controlled release of natural antimicrobials. Analyzes and lays out information related to sustainable strategies, taking a nano-based approach to the management of plant diseases and biotic damage on fresh food Presents the latest discoveries and practical applications of nanotechnology based, sustainable plant protection strategies to combat dangerous microorganisms and improve the shelf-life of food Assesses the major challenges of manufacturing nanotechnology-based pesticides on a mass scale

Decision Making in the Manufacturing Environment Ravipudi Venkata Rao 2007-06-06 This book shows how graph theory and matrix approach, and fuzzy multiple attribute decision making methods can be used in manufacturing. It proposes a methodology that will make decision making in the manufacturing environment structured and systematic. The book uses case studies to present the applications of decision making methods in real manufacturing situations.

11th International Conference on Theory and Application of Soft Computing, Computing with Words and Perceptions and Artificial Intelligence - ICSCCW-2021 Rafik A. Aliev 2022 This book presents the proceedings of the 11th Conference on Theory and Applications of Soft Computing, Computing with Words and Perceptions and Artificial Intelligence, ICSCCW-2021, held in Antalya, Turkey, on August 23-24, 2021. The general scope of the book covers uncertain computation, decision making under imperfect information, neuro-fuzzy approaches, natural language processing, and other areas. The topics of the papers include theory and application of soft computing, computing with words, image processing with soft computing, intelligent control, machine learning, fuzzy logic in data mining, soft computing in business, economics, engineering, material sciences, biomedical engineering, and health care. This book is a useful guide for academics, practitioners, and graduates in fields of soft computing and computing with words. It allows for increasing of interest in development and applying of these paradigms in various real-life fields.

System Performance and Management Analytics P. K. Kapur 2018-07-30 This book shares key insights into system performance and management analytics, demonstrating how the field of analytics is currently changing and how it is used to monitor companies' efforts to drive performance.Managing business performance facilitates the effective accomplishment of strategic and operational goals, and there is a clear and direct correlation between using performance management applications and improved business and organizational results. As such, performance and management analytics can yield a range of direct and indirect benefits, boost operational efficiency and unlock employees' latent potential, while at the same time aligning services with overarching goals.The book addresses a range of topics, including software reliability assessment, testing, quality management, system-performance management, analysis using soft-computing techniques, and management analytics. It presents a balanced, holistic approach to viewing the world from both a technical and managerial perspective by considering performance and management analytics. Accordingly, it offers a comprehensive guide to one of the most pressing issues in today's technology-dominated world, namely, that most companies and organizations find themselves awash in a sea of data, but lack the human capital, appropriate tools and knowledge to use it to help them create a competitive edge.

Lean Tools in Apparel Manufacturing Prabir Jana 2021-02-17 The never-ending global search for a country with a low labour wage is almost bottoming out. The so-called labor-oriented apparel manufacturing industry is poised to change. Due to fierce global pressure on reducing price and lead time, the textiles and apparel producers will have to banish all waste from their supply chain. Lean manufacturing which removes waste and smoothens the process flow is gaining popularity among textiles and apparel producers and will be a key element for the survival of the industry in the years ahead. An overview of various lean tools with a balanced mix of conceptual knowledge and practical applications in the context of apparel manufacturing Valuable industry information which managers and engineers can follow themselves without the need to hire outside consultants Case studies and examples from apparel manufacturing demonstrating how lean tools are being used successfully by

leading organizations; an academician's delight Possible use cases of several lean tools having potential use in the apparel manufacturing scenario

Industrial Engineering Management A.P. Verma 2008

Advances in Computer Science, Engineering and Applications David C. Wyld 2012-05-17 The International conference series on Computer Science, Engineering & Applications (ICCSEA) aims to bring together researchers and practitioners from academia and industry to focus on understanding computer science, engineering and applications and to establish new collaborations in these areas. The Second International Conference on Computer Science, Engineering & Applications (ICCSEA-2012), held in Delhi, India, during May 25-27, 2012 attracted many local and international delegates, presenting a balanced mixture of intellect and research both from the East and from the West. Upon a strenuous peer-review process the best submissions were selected leading to an exciting, rich and a high quality technical conference program, which featured high-impact presentations in the latest developments of various areas of computer science, engineering and applications research.

Handbook of Military Industrial Engineering Adedeji B. Badiru 2009-02-25 In light of increasing economic and international threats, military operations must be examined with a critical eye in terms of process design, management, improvement, and control. Although the Pentagon and militaries around the world have utilized industrial engineering (IE) concepts to achieve this goal for decades, there has been no single resource to bring together IE applications with a focus on improving military operations. Until now. Winner of the 2010 IIE/Joint Publishers Book-of-the-Year Award The Handbook of Military Industrial Engineering is the first compilation of the fundamental tools, principles, and modeling techniques of industrial engineering with specific and direct application to military systems. Globally respected IE experts provide proven strategies that can help any military organization effectively create, adapt, utilize, and deploy resources, tools, and technology. Topics covered include: Supply Chain Management and decision making Lean Enterprise Concepts for military operations Modeling and optimization Economic planning for military systems Contingency planning and logistics Human factors and ergonomics Information management and control Civilian engineers working on systems analysis, project management, process design, and operations research will also find inspiration and useful ideas on how to effectively apply the concepts covered for non-military uses. On the battlefield and in business, victory goes to those who utilize their resources most effectively, especially in times of operational crisis. The Handbook of Military Industrial Engineering is a complete reference that will serve as an invaluable resource for those looking to make the operational improvements needed to accomplish the mission at hand.

Marine Fisheries Abstracts 1973

Digital Human Modeling. Applications in Health, Safety, Ergonomics and Risk Management Vincent G. Duffy 2014-05-16 This book constitutes the refereed proceedings of the 5th International Conference on Digital Human Modeling and Applications in Health, Safety, Ergonomics and Risk Management 2014, held as part of the 16th International Conference on Human-Computer Interaction, HCII 2014, held in Heraklion, Crete, Greece in June 2014, jointly with 13 other thematically conferences. The total of 1476 papers and 220 posters presented at the HCII 2014 conferences were carefully reviewed and selected from 4766 submissions. These papers address the latest research and development efforts and highlight the human aspects of design and use of computing systems. The papers accepted for presentation thoroughly cover the entire field of Human-Computer Interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas. The 65 papers included in this volume are organized in topical sections on modeling posture and motion; anthropometry, design and ergonomics; ergonomics and human modeling in work and everyday life environments; advances in healthcare; rehabilitation applications; risk, safety and emergency.

Optimizing Current Strategies and Applications in Industrial Engineering Sahoo, Prasanta 2019-01-25 The field of industrial engineering

continues to advance at a rapid rate due to innovative technologies such as robotics and automation that improve performance and efficiencies. Emerging research on these latest trends, strategies, and techniques is needed to ensure that industry professionals remain up to date on the best practices for success. Optimizing Current Strategies and Applications in Industrial Engineering is a pivotal reference source that provides vital research on the development, improvement, implementation, and evaluation of integrated systems in engineering. While highlighting topics such as engineering economy, material handling, and operations management, this book is ideally designed for engineers, policymakers, educators, researchers, and practitioners.

Advances in Manufacturing and Industrial Engineering Ranganath M. Singari 2021-01-13 This book presents selected peer reviewed papers from the International Conference on Advanced Production and Industrial Engineering (ICAPIE 2019). It covers a wide range of topics and latest research in mechanical systems engineering, materials engineering, micro-machining, renewable energy, industrial and production engineering, and additive manufacturing. Given the range of topics discussed, this book will be useful for students and researchers primarily working in mechanical and industrial engineering, and energy technologies.

INDUSTRIAL ENGINEERING AND MANAGEMENT RAVI, V. 2015-08-31 The book is primarily intended as a text for all branches of B.Tech, M.Tech and MBA courses. Beginning with an introduction to industrial engineering, it discusses contributions and thoughts of classical (Taylor, Fayol, and Weber's), neo-classical (Hawthorne) and modern thinkers. The book explains different functions of management, and differentiate between management and administration. Various types of business organisations with their structures and personnel management also find place in the book. Topics related to facilities location, material handling, work study, job evaluation and merit rating, wages and incentives that are of prime importance in any business are discussed. The book is aimed at providing a better understanding of industrial operations with practical approach. Financial aspects related to business operations such as financial management, management accounting, breakeven analysis, depreciation and replacement policies for equipment assume prime importance. Numerical examples have been solved at appropriate places to create interest in readers. Marketing aspects of business as marketing management, new product development and sales forecasting methods are discussed, besides management and control of operations. For maintaining industrial peace, good relationship between employers and employees is essential. Chapters on industrial relations, industrial safety and industrial legislations are introduced with the objective of providing readers with information on these important aspects. Good decision-making is what differentiates a good manager from a bad one. Thus, a chapter on decision-making is added to examine its skill. Network constructions, CPM, PERT have been covered under project management. Quantitative techniques for decision-making as linear programming, transportation problems, assignment problems, game theory, queuing theory, etc., are also discussed in this textbook. KEY FEATURES • Lucid presentation of the concepts. • Illustrative figures and tables make the reading more fruitful and enriching. • Numerical problems with solutions form an integral part of the book, making it application-oriented. • Chapter-end review questions test the students' knowledge of the fundamental concepts.

Advances in Environment Engineering and Management Nihal Anwar Siddiqui 2021-09-02 This book presents the proceedings of the First National Conference on "Sustainable Management of Environment & Natural Resource through Innovation in Science and Technology" (SMTST2020). The book highlights the latest development and innovations in the fields of sustainability, natural resource management, ecology and its environmental fields, geosciences and geology, atmospheric sciences, sustainability, climate change, and extreme weather, global warming, and global change, the effect of climate change on the ecosystem, environment, and pollution, as well as putting a strong emphasis on the multidisciplinary studies.

Proceedings of the First International Conference on Advanced Data and Information Engineering (DaEng-2013) Tutut Herawan 2013-12-14 The

proceeding is a collection of research papers presented at the International Conference on Data Engineering 2013 (DaEng-2013), a conference dedicated to address the challenges in the areas of database, information retrieval, data mining and knowledge management, thereby presenting a consolidated view to the interested researchers in the aforesaid fields. The goal of this conference was to bring together researchers and practitioners from academia and industry to focus on advanced on data engineering concepts and establishing new collaborations in these areas. The topics of interest are as follows but are not limited to: • Database theory • Data management • Data mining and warehousing • Data privacy & security • Information retrieval, integration and visualization • Information system • Knowledge discovery in databases • Mobile, grid and cloud computing • Knowledge-based • Knowledge management • Web data, services and intelligence