

International Journal Of Engineering Management And Economics

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Global Implications of Modern Enterprise Information Systems: Technologies and Applications
International Journal of Production Economics
Journal of Engineering, Management and Operations Vol. I
Engineering Digital Transformation
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Handbook of Computational Intelligence in Manufacturing and Production Management
Principle Concepts of Technology and Innovation Management: Critical Research Models
Strategic Management of Technological Learning
Handbook of Research on Enterprise Systems
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Evolutionary Concepts in End User Productivity and Performance: Applications for Organizational Progress
Electronic Commerce Management for Business Activities and Global Enterprises: Competitive Advantages
International Journal of Applied Management Sciences and Engineering (IJAMSE).
International Journal of Aviation Technology, Engineering and Management (Vol. 1, No. 1)
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Business Strategies and Approaches for Effective Engineering Management
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Higher Creativity for Virtual Teams: Developing Platforms for Co-Creation

Reconstructing Project Management

Successful engineering projects require a clear vision and long term strategy. Therefore, effective business initiatives have been applied to the engineering environment in order to enhance its management perspectives. Business Strategies and Approaches for Effective Engineering Management brings together the latest methodologies, principles, practices, and tools for engineering management. By providing theoretical analysis and practical applications, this book is a useful reference for industry experts, researchers, and academicians regarding progressive strategies for successful management.

Global Implications of Modern Enterprise Information Systems: Technologies and Applications

"This book provides extensive coverage on the organizational, managerial and technological concerns of enterprise information systems and their executive competitiveness"--

International Journal of Production Economics

Being the premier forum for the presentation of new advances and research results in the fields of Industrial Engineering, IEEM 2015 aims to provide a high-level international forum for experts, scholars and entrepreneurs at home and abroad to present the recent advances, new techniques and applications face and face, to promote discussion and interaction among academics, researchers and professionals to promote the developments and applications of the related theories and technologies in universities and enterprises, and to establish business or research relations to find global partners for future collaboration in the field of Industrial Engineering. All the goals of the international conference are to fulfill the mission of the series conference which is to review, exchange, summarize and promote the latest achievements in the field of industrial engineering and engineering management over the past year, and to propose prospects and vision for the further development. This volume is the second of the two proceedings volumes from this conference.

Journal of Engineering, Management and Operations Vol. I

Edited by one of the best-known and most widely respected figures in the field, "Planning for Information Systems" is a comprehensive, single source overview of the myriad ideas and processes that are identified with IS planning. While many chapters deal with high level strategic planning, the book gives equal attention to on-the-ground planning issues. Part I, 'Key Concepts of IS Planning', focuses on how IS planning has evolved over the years; business-IS strategic alignment; and the role of dynamic organizational capabilities in leveraging IS competencies. Part II, 'The Organizational IS Planning Process,' describes IS planning in terms of critical success factors and includes a knowledge-based view of IS planning; a practical assessment of strategic alignment; the IT budgeting process; the search for an optimal level of IS strategic planning; and the role of organizational learning in IS planning. Part III, 'IS Investment Planning', deals with predicting the value that an IS project may have; a 'rational expectations' approach to assessing project payoffs; assessing the social costs and benefits of projects; an options-based approach to managing project risks; planning for project teams; and the moderating effects of coordinated planning. Part IV, 'Goals and Outcomes of IS Planning', considers information strategy as a goal and/or outcome of IS planning; IT infrastructure as a goal or outcome; competitive advantage as a goal or outcome; e-process partnership chains; and planning successful Internet-based projects.

Engineering Digital Transformation

Definitions, Concepts and Scope of Engineering Asset Management, the first volume in this new review series, seeks to minimise ambiguities in the subject matter. The ongoing effort to develop guidelines is shaping the future towards the creation of a body of knowledge for the management of engineered physical assets. Increasingly, industry practitioners are looking for strategies and tactics that can be applied to enhance the value-creating capacities of new and installed asset systems. The new knowledge-based economy paradigm provides imperatives to combine various disciplines, knowledge areas and skills for effective engineering asset management. This volume comprises selected papers from the 1st, 2nd, and 3rd World Congresses on Engineering Asset Management, which were convened under the auspices of ISEAM in collaboration with a number of organisations, including CIEAM Australia, Asset Management Council Australia, BINDT UK, and Chinese Academy of Sciences, Beijing University of Chemical Technology, China. Definitions, Concepts and Scope of Engineering Asset Management will be of interest to researchers in engineering, innovation and technology management, as well as to managers, planners and policy-makers in both industry and government.

Proceedings of the 23rd International Conference on Industrial Engineering and Engineering Management 2016

Decision science offers powerful insights and techniques that help people make better decisions to improve business and society. This new volume brings together the peer-reviewed papers that have been chosen as the "best of the best" by the field's leading organization, the Decision Sciences Institute. These papers, authored by respected decision science researchers and academics from around the world, will be presented at DSI's 45th Annual Meeting in Tampa, Florida in November 2014. The first book of papers ever assembled by DSI, this volume describes recent methods and approaches in the decision sciences, with a special focus on how accelerating technological innovation is driving change in the ways organizations and individuals make decisions. These papers offer actionable insights for decision-makers of all kinds, in business, public policy, non-profit organizations, and beyond. They also point to new research directions for academic researchers in decision science worldwide.

Handbook of Computational Intelligence in Manufacturing and Production Management

Principle Concepts of Technology and Innovation Management: Critical Research Models

This book outlining the latest developments in engineering digital transformation gathers a selection of the best papers

presented at the 11th International Conference on Industrial Engineering and Industrial Management (CIO 2017), held in Valencia, Spain, from July 5th to 6th, 2017. The papers discuss topics in the following areas: strategy and entrepreneurship, OR, modelling and simulation, production, logistics and supply chain management, information systems, quality and product management, knowledge and project management, service systems, and education.

Strategic Management of Technological Learning

International Conference on Industrial Engineering and Engineering Management is sponsored by Chinese Industrial Engineering Institution, CMES, which is the unique national-level academic society of Industrial Engineering. The conference is held annually as the major event in this area. Being the largest and the most authoritative international academic conference held in China, it supplies an academic platform for the experts and the entrepreneurs in International Industrial Engineering and Management area to exchange their research results. Many experts in various fields from China and foreign countries gather together in the conference to review, exchange, summarize and promote their achievements in Industrial Engineering and Engineering Management fields. Some experts pay special attention to the current situation of the related techniques application in China as well as their future prospect, such as Industry 4.0, Green Product Design, Quality Control and Management, Supply Chain and logistics Management to cater for the purpose of low-carbon, energy-saving and emission-reduction and so on. They also come up with their assumption and outlook about the related techniques' development. The proceedings will offer theatrical methods and technique application cases for experts from college and university, research institution and enterprises who are engaged in theoretical research of Industrial Engineering and Engineering Management and its technique's application in China. As all the papers are feathered by higher level of academic and application value, they also provide research data for foreign scholars who occupy themselves in investigating the enterprises and engineering management of Chinese style.

Handbook of Research on Enterprise Systems

The key message of this book is that heterogeneity should be seen as an intrinsic and indispensable element of knowledge systems. The authors address the concept of heterogeneity in a multi-disciplinary fashion, including perspectives from evolutionary economics and innovation system studies, and relate this approach to existing theories in a broad range of fields. The book postulates that one approach to such a re-conceptualization is what we call the Mode 3 system consisting of Innovation Networks and Knowledge Clusters for knowledge creation, diffusion and use. This is a multi-layered, multi-modal, multi-nodal and multi-lateral system, encompassing mutually and complementary reinforcing innovation networks and knowledge clusters consisting of human and intellectual capital, shaped by social capital and underpinned by financial capital. Diversity in the Knowledge Economy and Society will appeal to academics and researchers of innovation and

science, knowledge management and economics.

Proceedings of the 22nd International Conference on Industrial Engineering and Engineering Management 2015

Explores, in the global context, the conditions and environment necessary to promote innovation, creativity, and knowledge transfer at all levels--individual, team, organization, and regional/national economies.

Journal of Engineering Education

Competition, Strategy, and Modern Enterprise Information Systems

How do companies such as BMW, Airbus Industrie, and Bayer leverage technology and learn to thrive where others fail? This book provides a one-stop resource on technology, innovation, and knowledge management. It gives you a tool for gaining short-term, case-specific insight and long-term, industry-wide understanding of the best technology management and learning policies and practices. The Strategic Management of Technological Learning explores a portfolio of case studies on technology-driven-but not exclusively high-tech-companies that have an overall long-term record of success and prosperity. Through in-depth interviews with industry practitioners, the author empirically identifies the presence of Strategic or Active Incrementalism. The following chart shows the studied firms, which operate at high risk and uncertainty, very dynamic, and technologically intensive business environments:

Developments in Management Science in Engineering 2018

Prof. Dr.-Ing. Prof. e. h. Wilhelm Bauer ist geschäftsführender Institutsleiter des Fraunhofer-Instituts für Arbeitswirtschaft und Organisation IAO und Vorsitzender des Fraunhofer-Verbunds Innovationsforschung. Univ.-Prof. Dr.-Ing. Dr. h.c. Dipl.-Wirtsch.-Ing. Wilfried Sihm ist seit 2004 Professor an der TU Wien und seit 2008 Geschäftsführer der Fraunhofer Austria Research GmbH. Prof. Dr.-Ing. Peter Ohlhausen ist am Fraunhofer-Instituts für Arbeitswirtschaft und Organisation IAO für den Bereich Forschungskoordination zuständig und Professor an der ESB.

Evolutionary Concepts in End User Productivity and Performance: Applications for Organizational Progress

Electronic Commerce Management for Business Activities and Global Enterprises: Competitive Advantages is written as an e-commerce textbook for undergraduate and graduate students in various business programs, including information systems, marketing, computer science, and MBA. In addition to serving as a textbook in e-commerce, this book also provides an excellent repository for instructors, researchers, and industry practitioners for their research ideas, theories, and practical experiences. In addition to regular topics traditionally taught in the classroom, this textbook addresses the many new emerging ideas and applications and presents tools and techniques in all aspects of e-commerce development and management in the global economy.

Electronic Commerce Management for Business Activities and Global Enterprises: Competitive Advantages

International Journal of Applied Management Sciences and Engineering (IJAMSE).

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

International Journal of Aviation Technology, Engineering and Management (Vol. 1, No. 1)

High temperature, high oil pressure, oil and gas well completion testing have always been a technical challenge and basic theoretical research is one of the key factors needed to ensure a successful completion test. The completion test basic theory includes: a stress analysis of the completion string, completion string buckling behavior, and temperature and pressure distribution prediction. The completion string is the main bearing and power transmission component for oil and gas well operations and production, and it is required to take on a combination of loads, which result in completion string deformation. Because of these complex relationships, completion string stress analysis has become increasingly more complicated. This book discusses the characters of tubular strings in HTHP (High Temperature - High Pressure) oil and gas wells. These characters include the mechanical behavior of tubular strings and the temperature and pressure variation of tubular strings in different conditions. Mathematical models are established for different conditions and solution existence and uniqueness of some models is discussed, providing algorithms corresponding to the different models. Numerical experiments are presented to verify the validity of models and the feasibility of algorithms, and the impact of the parameters of models for oil and gas wells is also discussed. This book is written for production and testing engineers to provide them with the tools to deal more effectively with the numerical decisions they have to take and for researchers and technicians in petroleum and gas testing and production engineering. Finally, it is also intended to serve as a reference

book for mathematicians, college teachers and students.

Fashion Retail Supply Chain Management

Provides research on the emergent issue of the Internet as a central organizing platform for integrating marketing communications.

Tubular String Characterization in High Temperature High Pressure Oil and Gas Wells

"This book collects the latest research advances in the rapidly evolving field of mobile business"--Provided by publisher.

International Journal of Technology Management

This hugely informative and wide-ranging analysis on the management of projects, past, present and future, is written both for practitioners and scholars. Beginning with a history of the discipline's development, Reconstructing Project Management provides an extensive commentary on its practices and theoretical underpinnings, and concludes with proposals to improve its relevancy and value. Written not without a hint of attitude, this is by no means simply another project management textbook. The thesis of the book is that 'it all depends on how you define the subject'; that much of our present thinking about project management as traditionally defined is sometimes boring, conceptually weak, and of limited application, whereas in reality it can be exciting, challenging and enormously important. The book draws on leading scholarship and case studies to explore this thesis. The book is divided into three major parts. Following an Introduction setting the scene, Part 1 covers the origins of modern project management - how the discipline has come to be what it is typically said to be; how it has been constructed - and the limitations of this traditional model. Part 2 presents an enlarged view of the discipline and then deconstructs this into its principal elements. Part 3 then reconstructs these elements to address the challenges facing society, and the implications for the discipline, in the years ahead. A final section reprises the sweep of the discipline's development and summarises the principal insights from the book. This thoughtful commentary on project (and program, and portfolio) management as it has developed and has been practiced over the last 60-plus years, and as it may be over the next 20 to 40, draws on examples from many industry sectors around the world. It is a seminal work, required reading for everyone interested in projects and their management.

Research in the Decision Sciences for Global Business

Fashion Retail Supply Chain Management: A Systems Optimization Approach is a comprehensive reference source that

provides the state-of-the-art findings on many important emerging research issues related to retail supply chain management and optimization problems. The book takes an explicit systems approach, and discusses retail fashion supply chain

International Journal of Prognostics and Health Management Volume 2 (B&W)

Management science in engineering (MSE) is playing an increasingly important role in modern society. In particular, the development of efficient and innovative managerial tools has significantly influenced the research progress of management science in engineering. This book identifies the main research categories of MSE, and evaluates and classifies each journal in this field. It has been developed through the joint efforts of scientific board members, many of whom are editors-in-chief of significant journals, academics, and members and fellows of various relevant societies. It will be of interest to scientists, researchers, practitioners, engineers, graduate students and upper-level undergraduates in engineering management, civil engineering, industrial engineering, environmental engineering, energy engineering, information engineering, and agricultural engineering.

Creating a Sustainable Social Ecology Using Technology-driven Solutions

Success in an increasingly competitive market depends on the quality of knowledge which organisations apply to their major business processes. For example, a supply chain depends on knowledge of diverse areas, including raw materials, planning, manufacturing, and distribution. Likewise, product development requires knowledge of consumer requirements, new science, new technology, and marketing. Knowledge is broadly defined as credible information that is of potential value to an organisation. Knowledge management (KM) is a function of generation and dissemination of information, developing a shared understanding of information, filtering shared understandings into degrees of potential value, and storing valuable knowledge within the confines of an accessible organisational mechanism.

Knowledge and Information Technology Management: Human and Social Perspectives

Quality Uncertainty and Perception

This volume brings together important new research in decision science, capturing the crucial role of local context in a globalized, standardized world. Assembling the best work presented at the 2013 Conference of the European Decision Sciences Institute, it considers classic decision science problems from a new perspective, offering insights for improving

decision-making in government, business, healthcare, education, manufacturing, the military, and beyond. The papers in Common Disciplines that Separate Us embrace the duality of globally determined local contexts, offering new approaches to decision-making related to: Strengthening national economic competitiveness Reforming the public sector and higher education Deploying information technology more effectively throughout government Making healthcare policy that achieves better outcomes at lower cost Analyzing social networks Improving processes via data visualization, modeling, and simulation Gaining more value from enterprise business intelligence Offshoring, nearshoring, "right shoring," and other key manufacturing decisions Improving supply chain performance And much more The papers collected here will be valuable to wide audiences of faculty, researchers, and students in diverse programs covering business, public administration, and economics; and for others interested in the frontiers of decision science.

Asset Condition, Information Systems and Decision Models

Provides ideas on how intellectual capital through emerging technologies can support business performance. Covers topics such as competitive strategy, human resource management, and organizational learning.

Handbook of Research in Mobile Business, Second Edition: Technical, Methodological and Social Perspectives

"This book aims to represent some of the most current investigations into a wide range of end-user computing issues, enhancing understanding of recent developments"--Provided by publisher.

Software Process Improvement for Small and Medium Enterprises: Techniques and Case Studies

As advancements in technology continue to influence all facets of society, its aspects have been utilized in order to find solutions to emerging ecological issues. Creating a Sustainable Ecology Using Technology-Driven Solutions highlights matters that relate to technology driven solutions towards the combination of social ecology and sustainable development. This publication addresses the issues of development in advancing and transitioning economies through creating new ideas and solutions; making it useful for researchers, practitioners, and policy makers in the socioeconomic sectors.

International Journal of Computer and Engineering Management

Contemporary Research in E-Branding

E-Collaboration in Modern Organizations: Initiating and Managing Distributed Projects combines comprehensive research related to e-collaboration in modern organizations, emphasizing topics relevant to those involved in initiating and managing distributed projects. Providing authoritative content to scholars, researchers, and practitioners, this book specifically describes conceptual and theoretical issues that have implications for distributed project management, implications surrounding the use of e-collaborative environments for distributed projects, and emerging issues and debate related directly and indirectly to e-collaboration support for distributed project management.

Definitions, Concepts and Scope of Engineering Asset Management

Leading and Managing Creators, Inventors, and Innovators

Addresses the field of enterprise systems, covering progressive technologies, leading theories, and advanced applications.

E-Collaboration in Modern Organizations: Initiating and Managing Distributed Projects

During the last two decades, computer and information technologies have forced great changes in the ways businesses manage operations in meeting the desired quality of products and services, customer demands, competition, and other challenges. The Handbook of Computational Intelligence in Manufacturing and Production Management focuses on new developments in computational intelligence in areas such as forecasting, scheduling, production planning, inventory control, and aggregate planning, among others. This comprehensive collection of research provides cutting-edge knowledge on information technology developments for both researchers and professionals in fields such as operations and production management, Web engineering, artificial intelligence, and information resources management.

Diversity in the Knowledge Economy and Society

"This book presents advanced research on the concept of creativity using virtual teams, demonstrating a specific focus and application for virtual teams. It presents tools, processes, and frameworks to advance the overall concept that leveraging ideas from different locations in an organization and within extended networks is based on creativity, which can deliver innovation"--Provided by publisher.

Trends and Research in the Decision Sciences

Knowledge Ecology in Global Business: Managing Intellectual Capital

Software engineering is of major importance to all enterprises; however, the key areas of software quality and software process improvement standards and models are currently geared toward large organizations, where most software organizations are small and medium enterprises. *Software Process Improvement for Small and Medium Enterprises: Techniques and Case Studies* offers practical and useful guidelines, models, and techniques for improving software processes and products for small and medium enterprises, utilizing the authoritative, demonstrative tools of case studies and lessons learned to provide academics, scholars, and practitioners with an invaluable research source.

Business Strategies and Approaches for Effective Engineering Management

It has been observed that the studies of quality are pursued in various disciplines like economics, quality management, and marketing science, and are seen isolated. The treatments imparted to these studies are also different and has the backdrop of discipline in which the work has been pursued. The nature of isolation is equally seen when quality uncertainty and perceived quality were pursued separately without showing any inkling that these can be complimentary. Economist and Nobel Laureate, Akerlof (1970), wrote a seminal piece "The market for lemons: quality uncertainty and market mechanism", where he described quality uncertainty due to information asymmetry. It refers to the fact that a party in a transaction may have more information than the other. This is information asymmetry. If the seller has more information than the buyer about the product quality, he/she may sell it, as if it is a high-quality product. In reality, it could be a low-quality product. The buyer does not have the information regarding the quality of the offered product. The market condition that led to this transaction is quality uncertainty due to information asymmetry.

Planning for Information Systems

Asset Condition, Information Systems and Decision Models, is the second volume of the Engineering Asset Management Review Series. The manuscripts provide examples of implementations of asset information systems as well as some practical applications of condition data for diagnostics and prognostics. The increasing trend is towards prognostics rather than diagnostics, hence the need for assessment and decision models that promote the conversion of condition data into prognostic information to improve life-cycle planning for engineered assets. The research papers included here serve to support the on-going development of Condition Monitoring standards. This volume comprises selected papers from the 1st,

2nd, and 3rd World Congresses on Engineering Asset Management, which were convened under the auspices of ISEAM in collaboration with a number of organisations, including CIEAM Australia, Asset Management Council Australia, BINDT UK, and Chinese Academy of Sciences, Beijing University of Chemical Technology, China. Asset Condition, Information Systems and Decision Models will be of particular interest to finance, maintenance, and operations personnel whose roles directly affect the capability value of engineering asset base, as well as asset managers in both industry and government.

Higher Creativity for Virtual Teams: Developing Platforms for Co-Creation

"This book is a reference guide to the theory and research supporting the field of Technology and Innovation Management"--Provided by publisher.

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[HISTORICAL FICTION](#) [HORROR](#) [LITERARY FICTION](#) [NON-FICTION](#) [SCIENCE FICTION](#)