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The Arab State and Neo-Liberal Globalization Design PositiveWaging Peace Through Commerce by DesignThis portfolio produced and published by McDonough Innovation, LLC, highlights William McDonough's integrated approach to design solutions - and refers to his three companies, McDonough Innovation, MBDC, and William McDonough + Partners. Special edition for the Near Future Summit 2021. Carbon Dioxide Utilization to Sustainable Energy and Fuels By uniting key concepts and methods from education, psychology, statistics,

econometrics, medicine, language, and forensic science, this textbook provides an interdisciplinary methodological approach to study human learning processes longitudinally. This longitudinal approach can help to acquire a better understanding of learning processes, can inform both future learning and the revision of educational content and formats, and may help to foster self-regulated learning skills. The initial section of this textbook focuses on different types of research questions as well as practice-driven questions that may refer to groups or to individual learners. This is followed by a discussion of different types of outcome variables in educational research and practice, such as pass/fail and other dichotomies, multi-category nominal choices, ordered performance categories, and

different types of quantifiable (i.e., interval or ratio level of measurement) variables. For each of these types of outcome variables, single-measurement and repeated-measurements scenarios are offered with clear examples. The book then introduces cross-sectional and longitudinal interdependence of learning-related variables through emerging network-analytic methods and in the final part the learned concepts are applied to different types of studies involving time series. The book concludes with some general guidelines to give direction to future (united) educational research and practice. This textbook is a must-have for all applied researchers, teachers and practitioners interested in (the teaching of) human learning, instructional design, assessment, life-long learning or applications of concepts and methods commonly encountered in fields such as

econometrics, psychology, and sociology to educational research and practice.

Oil and the Search for Economic Development

Springer Science & Business Media

This contributed volume contains the research results of the Cluster of Excellence "Integrative Production Technology for High-Wage Countries", funded by the German Research Society (DFG). The approach to the topic is genuinely interdisciplinary, covering insights from fields such as engineering, material sciences, economics and social sciences. The book contains coherent deterministic models for integrative product creation chains as well as harmonized cybernetic models of production systems. The content is structured into five sections: Integrative Production Technology, Individualized Production, Virtual Production Systems, Integrated Technologies, Self-Optimizing Production Systems and Collaboration Productivity. The target audience primarily comprises research

experts and practitioners in the field of production engineering, but the book may also be beneficial for graduate students.

Design, Analysis, and Optimization SAGE Publications

Design Recommendations for Intelligent Tutoring Systems (ITSSs) explores the impact of intelligent tutoring system design on education and training. Specifically, this volume examines "Authoring Tools and Expert Modeling Techniques". The "Design Recommendations book series examines tools and methods to reduce the time and skill required to develop Intelligent Tutoring Systems with the goal of improving the Generalized Intelligent Framework for Tutoring (GIFT). GIFT is a modular, service-oriented architecture developed to capture simplified authoring techniques, promote reuse and standardization of ITSSs along with automated instructional techniques and effectiveness evaluation capabilities for adaptive tutoring tools and methods.

Reverse Acronyms, Initialisms, & Abbreviations Dictionary Springer "SAE order number R-415"--Title page verso.

Handbook of Industrial Catalysts Routledge "Reviews all the

necessary financial theory and concepts, and walks you through a wide range of real-world financial models" - cover.

Design Recommendations for Intelligent Tutoring Systems International Monetary Fund

The book presents high-quality research papers presented at the 1st AUE International research conference, AUEIRC 2017, organized by the American University in the Emirates, held on November 15th-16th, 2017 in Dubai. The book is broadly divided into three sections: Media and Smart Cities, Creative Technologies and Innovation, and Security Risks and Strategic Challenges. The areas covered under these sections are cyber-psychology and digital forensics, cloud RAN architecture, networking functions virtualization, e-Governance and IoT semantic interoperability, ERP security, web-based application and problem-solving skills, smart technologies and advertising, smart technologies for smart cities, smart adaptable navigation systems, turbo codes for security key generation, technology advanced student learning and mobile devices, big data security and privacy, multi-channel buffer enabled technique, physiological signal

acquisition in electro-oculography, blockchain and donation-based crowdfunding, smart city and framework development approach, news channel and media education, UAE foreign policy, China-GCC relations, diplomacy in the Internet age, intelligent cyber-security strategies, industry securities and strategic challenges, hybrid alliances and corporate security, security and privacy in smart cities, human computer interaction and e-learning solution, complexity of smart cities governance. The papers included in this book present insightful information on the most recent and relevant research, theories and practices in the field, which aim for a sustainable future.

Economic Evaluation in Education Springer Nature

Much has been written about fundamental aspects of catalysis, yet despite their universal applications details concerning commercial catalysts and information about actual operating conditions are not readily available. This book provides up-to-date reviews and references to guide those working on industrial catalysts. It

will be an invaluable guide for catalysis researchers in industry and academia, and for students.

British Standard

BS5493:1977 Springer Science & Business Media For the first time, both the art and the science of designing runners and gates are presented in a concise format. Tried and true runner and gating design techniques successfully used with various materials and molding applications are described together with cutting edge new technologies. The book will help readers determine when to use what type of runner system and how to isolate molding problems generated by the gate and runner vs. other molding issues. Much emphasis is placed on the critical features in a hot runner design and how to determine what type of design is best for a specific application. Finally, readers will be able to separate the sales hype from reality when dealing with hot runner suppliers.

Recycling of Polyethylene

Terephthalate Springer Science & Business Media

The past decade has seen increased attention to cost-effectiveness and benefit-cost analysis in

education as administrators are being asked to accomplish more with the same or even fewer resources, philanthropists are keen to calculate their “return on investment” in social programs, and the general public is increasingly scrutinizing how resources are allocated to schools and colleges. Economic Evaluation in Education: Cost-Effectiveness and Benefit-Cost Analysis (titled Cost-Effectiveness Analysis: Methods and Applications in its previous editions) is the only full-length book to provide readers with the step-by-step methods they need to plan and implement a benefit-cost analysis in education. Authors Henry M. Levin, Patrick J. McEwan, Clive Belfield, Alyshia Brooks Bowden, and Robert Shand examine a range of issues, including how to identify, measure, and distribute costs; how to measure effectiveness, utility, and benefits; and how to incorporate cost evaluations into the decision-making process. The updates to the Third Edition reflect the considerable methodological development in the evaluation literature, and

the greater empiricism practiced by education researchers, to help readers learn to apply more advanced methods to their own analyses.

Fundamentals of Real Estate Appraisal Springer Nature

This book brings together high quality articles exploring the design, implementation, management, funding, promotion and evaluation of networked information systems that advocate sustainability and the protection of natural ecosystems. Case studies of deployed and planned information systems complement theoretical work on the methodological, technological and organizational foundations of environmental online communication.

A Future CRC Press

After periods of conflict and authoritarianism, educational institutions often need to be reformed or rebuilt. But in settings where education has been used to support repressive policies and human rights violations, or where conflict and abuses have resulted in lost educational opportunities, legacies of injustice may pose

significant challenges to effective reform.

Peacebuilding and development perspectives, which normally drive the reconstruction agenda, pay little attention to the violent past.

Transitional Justice and Education: Learning Peace presents the findings of a research project of the International Center for Transitional Justice on the relationship between transitional justice and education in peacebuilding contexts. The book examines how transitional justice can shape the reform of education systems by ensuring programs are sensitive to the legacies of the past, how it can facilitate the reintegration of children and youth into society, and how education can engage younger generations in the work of transitional justice.

Art + Care Walter de Gruyter GmbH & Co KG

The changing political situation in the Middle East poses challenges for the economies of the region, and some see none more vulnerable to collapse than Saudi

Arabia's. Yet as this study demonstrates, the fundamentals of the kingdom's economy are relatively robust, as over two thirds of GDP is accounted for by the non-oil sector, and impressive modern industries have been established notably in petrochemicals. The financial system functions well, and despite substantial government debts, there is low inflation and currency stability. The private sector increasingly drives the economy, although job creation has been insufficient to prevent rising youth unemployment. The development challenges Saudi Arabia faces are similar to those of other middle-income countries, and three decades of diversification have made the economy less unique than it was in the oil boom years of the 1970s.

System Safety Engineering and Risk Assessment Springer

Uncertainty Handling and Quality Assessment in Data Mining provides an introduction to the application of these concepts in Knowledge Discovery and Data Mining. It reviews the state-of-the-art in uncertainty handling and

discusses a framework for unveiling and handling uncertainty. Coverage of quality assessment begins with an introduction to cluster analysis and a comparison of the methods and approaches that may be used. The techniques and algorithms involved in other essential data mining tasks, such as classification and extraction of association rules, are also discussed together with a review of the quality criteria and techniques for evaluating the data mining results. This book presents a general framework for assessing quality and handling uncertainty which is based on tested concepts and theories. This framework forms the basis of an implementation tool, 'Uminer' which is introduced to the reader for the first time. This tool supports the key data mining tasks while enhancing the traditional processes for handling uncertainty and assessing quality. Aimed at IT professionals involved with data mining and knowledge discovery, the work is supported with case studies from epidemiology and telecommunications that illustrate how the tool

works in 'real world' data mining projects. The book would also be of interest to final year undergraduates or post-graduate students looking at: databases, algorithms, artificial intelligence and information systems particularly with regard to uncertainty and quality assessment.

Smart Technologies and Innovation for a Sustainable Future
Springer

We all know that safety should be an integral part of the systems that we build and operate. The public demands that they are protected from accidents, yet industry and government do not always know how to reach this common goal. This book gives engineers and managers working in companies and governments around the world a pragmatic and reasonable approach to system safety and risk assessment techniques. It explains in easy-to-understand language how to design workable safety management systems and implement tested solutions

immediately. The book is intended for working engineers who know that they need to build safe systems, but aren't sure where to start. To make it easy to get started quickly, it includes numerous real-life engineering examples. The book's many practical tips and best practices explain not only how to prevent accidents, but also how to build safety into systems at a sensible price. The book also includes numerous case studies from real disasters that describe what went wrong and the lessons learned. See What's New in the Second Edition: New chapter on developing government safety oversight programs and regulations, including designing and setting up a new safety regulatory body, developing safety regulatory oversight functions and governance, developing safety regulations, and how to avoid common mistakes in government oversight Significantly expanded chapter on safety management systems, with many

practical applications from around the world and information about designing and building robust safety management systems, auditing them, gaining internal support, and creating a safety culture New and expanded case studies and "Notes from Nick ' s Files" (examples of practical applications from the author ' s extensive experience) Increased international focus on world-leading practices from multiple industries with practical examples, common mistakes to avoid, and new thinking about how to build sustainable safety management systems New material on safety culture, developing leading safety performance indicators, safety maturity model, auditing safety management systems, and setting up a safety knowledge management system Fused Deposition Modeling Based 3D Printing Springer About the way we use and reuse the resources in the building industry and ultimately eliminate the concept of waste. The book seeks to provide inspiration

for 'building a circular future' by providing a set of principles and bringing forward the best practices from in and outside the building industry. This book presents findings, case studies, background and context for the project ?Building a Circular Future?, and consist of three main chapters: Design for Disassembly, Material Passport and Circular Economy. All content comes from extensive research and through workshops with partners across industries. The book furthermore provides 15 principles for "Building a Circular Future" and a thoroughly calculated business case, which documents that a demolition, that today would cost ?2.151.249,56 can be turned into a ?4.705.858,41 business upside in a future circular building industry. Building a Circular Future CRC Press As the only oil producer with sufficient spare capacity to shape the world economy, Saudi Arabia is one of the most significant states in twenty-first century geopolitics. Despite the enormous potential for Saudi Arabia to play a more robust regional and international role, the Kingdom faces serious internal and external challenges in the form of political incapacity and

competition with states such as Iran. In this examination of Saudi Arabia's foreign policy, Gulf expert Neil Partrick, and other regional analysts, address the Kingdom's relations in the Middle East and wider Islamic world, and its engagement with both established and emergent global powers. In doing so, he analyses the factors, ranging from identity politics to Iranian acquisition of nuclear weapons that determine the Kingdom's foreign policy. As Saudi Arabia prepares for a generational shift brought about by an ageing leadership, the rapidly changing balance of power in the Middle East offers both great opportunity and great danger. For students of the Middle East and international relations, understanding Saudi Arabia's foreign policy and its engagement with the region and the world is more important than ever. Research Methods in the Study of Substance Abuse Psychology Press This book covers 3D printing activities by fused deposition modeling process. The

two introductory chapters discuss the principle, types of machines and raw materials, process parameters, defects, design variations and simulation methods. Six chapters are devoted to experimental work related to process improvement, mechanical testing and characterization of the process, followed by three chapters on post-processing of 3D printed components and two chapters addressing sustainability concerns. Seven chapters discuss various applications including composites, external medical devices, drug delivery system, orthotic inserts, watertight components and 4D printing using FDM process. Finally, six chapters are dedicated to the study on modeling and optimization of FDM process using computational models, evolutionary algorithms, machine learning, metaheuristic approaches and optimization of layout

and tool path.

A Practical Approach, Second Edition WIPO
This edited book provides an in-depth overview of carbon dioxide (CO₂) transformations to sustainable power technologies. It also discusses the wide scope of issues in engineering avenues, key designs, device fabrication, characterizations, various types of conversions and related topics. It includes studies focusing on the applications in catalysis, energy conversion and conversion technologies, etc. This is a unique reference guide, and one of the detailed works is on this technology. The book is the result of commitments by leading researchers from various backgrounds and expertise. The book is well structured and is an essential resource for scientists, undergraduate, postgraduate students, faculty, R&D professionals, energy chemists and industrial experts.

Environmental Online Communication
Routledge

This seminar volume, edited by Said El-Naggar, examines the challenge that Arab countries with large public sectors face in placing the privatization process within the

wider context of structural change.
Authoring Tools and Expert Modeling Techniques Robert Sottolare
This collection of essays by leading academics offers an alternative approach to the study of today's Arab states by focusing on their participation in neo-liberal globalization rather than on authoritarianism or Islam. The effects of the restructuring of traditional state power engendered by globalization are analyzed separately, through updated empirical research in the political, economic and security processes of each country considered. Egypt, Lebanon, Morocco and Saudi Arabia are the case studies selected to represent different paths towards a shared model of "new" Arab state which, far from representing an exceptional case of resilience against global trends, may be seen in many instances as typifying their effects. This book thus offers both an overall conceptualization of change affecting the Arab states, domestically and

in their relations with the international system, and a series of in-depth case studies by country and functional areas.