

Chapter 8 Synthesis And Management Recommendations Upspace

This is a new overview of the strategy field, with internationally renowned contributors summarizing the latest directions and developments in strategic management theory in the context of their theoretical roots in economics, organization theory, and systems theory. The contributors outline the most promising new directions on the basis of a systemic treatment of paradigms or schools of thought in strategy: redrawing firm boundaries, developing dynamic capabilities and discovering viable strategy configurations. The volume will be an invaluable companion to advanced courses in strategy and management, used as a reader alongside case material and field studies.

As well as providing a summary and evaluation of the different

Focused on actively using systematic review as method, this book provides clear, step-by-step advice on the logic and processes of systematic reviewing. Stressing the importance of precision and accuracy, this new edition carefully balances a need for insightful theory with real-world pragmatism; it introduces a wide range of cutting-edge approaches to research synthesis including text mining, living reviews and new ideas in mixed methods reviews such as qualitative comparative analysis. The book also includes: A new chapter on statistical synthesis Coverage of computer-assisted methods and relevant software Expanded sections on data extraction and management A guide to working with many different types of data including longitudinal and panel. Packed with examples from across the social sciences, this book helps students and researchers alike in turning systematic reviews into recommendations for policy and practice.

To create truly effective human-centric ambient intelligence systems both engineering and computing methods are needed. This is the first book to bridge data processing and intelligent reasoning methods for the creation of human-centered ambient intelligence systems. Interdisciplinary in nature, the book covers topics such as multi-modal interfaces, human-computer interaction, smart environments and pervasive computing, addressing principles, paradigms, methods and applications. This book will be an ideal reference for university researchers, R&D engineers, computer engineers, and graduate students working in signal, speech and video processing, multi-modal interfaces, human-computer interaction and applications of ambient intelligence. Hamid Aghajan is a Professor of Electrical Engineering (consulting) at Stanford University, USA. His research is on user-centric vision applications in smart homes, assisted living / well being, smart meetings, and avatar-based social interactions. He is Editor-in-Chief of "Journal of Ambient Intelligence and Smart Environments", has chaired ACM/IEEE ICDCS 2008, and organized workshops/sessions/tutorials at ECCV, ACM MM, FG, ECAI, ICASSP, CVPR. Juan Carlos Augusto is a Lecturer at the University of Ulster, UK. He is conducting research on Smart Homes and Classrooms. He has given tutorials at IJCAI'07 and AAI'08. He is Editor-in-Chief of the Book Series on "Ambient Intelligence and Smart Environments" and the "Journal of Ambient Intelligence and Smart Environments". He has co-Chaired ICOST'06, AITAmI'06/07/08, and is Workshops Chair for IE'09. Ramón López-Cózar Delgado is a Professor at the Faculty of Computer Science and Telecommunications of the University of Granada, Spain. His research interests include speech recognition and understanding, dialogue

management and Ambient Intelligence. He is a member of ISCA (International Speech Communication Association), SEPLN (Spanish Society on Natural Language Processing) and AIPO (Spanish Society on HCI). Integrates engineering and computing methods that are essential for designing and implementing highly effective ambient intelligence systems Contains contributions from the world's leading experts in academia and industry Gives a complete overview of the principles, paradigms and applications of human-centric ambient intelligence systems

Recognized as the definitive reference in laboratory medicine since 1908, Henry's Clinical Diagnosis continues to offer state-of-the-art guidance on the scientific foundation and clinical application of today's complete range of laboratory tests.

Employing a multidisciplinary approach, it presents the newest information available in the field, including new developments in technologies and the automation platforms on which measurements are performed. Provides guidance on error detection, correction, and prevention, as well as cost-effective test selection. Features a full-color layout, illustrations and visual aids, and an organization based on organ system. Features the latest knowledge on cutting-edge technologies of molecular diagnostics and proteomics. Includes a wealth of information on the exciting subject of omics; these extraordinarily complex measurements reflect important changes in the body and have the potential to predict the onset of diseases such as diabetes mellitus. Coverage of today's hottest topics includes advances in transfusion medicine and organ transplantation; molecular diagnostics in microbiology and infectious diseases; point-of-care testing; pharmacogenomics; and the microbiome. Toxicology and Therapeutic Drug Monitoring chapter discusses the necessity of testing for therapeutic drugs that are more frequently being abused by users.

Developing Monitoring and Evaluation Frameworks is a practical book that provides clear, step-by-step guidance on how to develop a monitoring and evaluation framework in a participatory, logical, systematic, and integrated way. Authors Anne Markiewicz and Ian Patrick outline the key stages and steps involved, including: scoping the framework; identifying planned results; using program theory and program logic; developing evaluation questions; identifying processes for ongoing data collection and analysis; determining means to promote learning; reporting; and dissemination of results. A final chapter focuses on planning for implementation of the framework, with reference to the broader program and organizational context. The authors draw on their extensive experience in developing monitoring and evaluation frameworks to provide examples of good practice that inform organizational learning and decision making, while offering tips and guidelines that can be used to address common pitfalls.

This book, first published in 1988, aims to provide evidence on the voluntary adoption of a particular type of financial statement – the consolidated financial statement – in what may be characterized as relatively high agency cost situations. This study examines an accounting method choice not under the assumption that it will be made opportunistically but under the assumption that it will be negotiated ex ante as part of the firm's optimal contract structure.

This book explores the process of organization and systems design. Researchers will glean radically different epistemological and ontological perspectives; designers will acquire entirely different intellectual tools, principles and mechanisms of design and managers should learn to think of organization and systems differently.

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The book provides an introduction to the topic of magnesium materials for biomedical applications. Additional to the background on magnesium's physical, chemical and mechanical properties, areas of use, related diseases and pathways for biodegradation will be discussed. Also, an outlook of the future of magnesium material applications will be provided.

The book systematically presents fundamental principles, properties, implementation methodologies, technologies and applications of polymer synthesis. Ring opening metathesis polymerization, click chemistry, macromolecular self-assembly, carbon nanomaterials and their modification with polymers are discussed in detail. With abundant illustrations, it is an essential reference for polymer chemists, material scientists, and graduate students.

A new approach to improving the production of goods and services, Constraints Management (CM), recognizes the powerful role of the constraint (the limiting resource) in determining the output of the entire production system. By learning about and mastering CM concepts, managers can improve their companies' present output and plan for future growth as well. While public management has become widely spoken of, its identity and character is not well-defined. Such disparity is an underlying problem in developing public management within academia, and in the eyes of practitioners. In this book, Michael Barzelay tackles the challenge of making public management into a true professional discipline. Barzelay argues that public management needs to integrate contrasting conceptions of professional practice. By pressing forward an expansive idea of design in public management, Barzelay formulates a fresh vision of public management in practice and outlines its implications for research, curriculum development and disciplinary identity.

Combines authoritative commentary and unique contextual analysis to explain the general principles of trusts and their practical operation.

Improvements in health services require continual attention and dedication to ensure proper care and treatment for citizens. To support this endeavor, professionals rely more and more on the application of information systems and technologies to promote the overall quality of modern healthcare. Maximizing Healthcare Delivery and Management through Technology Integration is an authoritative reference source for the latest scholarly research on the integration of ICT within the health services sector. Featuring comprehensive coverage on a range of topics from technical and non-technical perspectives, this book is an essential reference source for IT specialists, professionals, managers, and students seeking current research on the growing relationship between technology and healthcare.

Prostate cancer is the most common noncutaneous prostate cancer. Research has revealed several distinct malignancy and the second leading cause of cancer mechanisms of castration-resistant disease that may deaths among men in the United States. It is a critical converge in patients with disease progression on public health problem and remains incurable in the ADT. Many approaches are currently being evaluated metastatic setting with mortality that usually occurs as to improve the treatment of this condition and these a result of castration-resistant disease. Findings have identified several potential targets for Since Huggins and Hodges' report of the dra- therapeutic intervention. These include drugs that are matic clinical effects of suppressing serum testos- more active or less toxic chemotherapy agents; drugs terone levels in men with advanced prostate cancer that induce androgen deprivation; drugs that target in 1941, hormone therapy (also called androgen the androgen receptor and/or androgen synthesis; deprivation therapy [ADT]) has become widely drugs that target specific pathways, including ang- accepted as the mainstay of therapy for the treat- genesis and tyrosine kinase inhibitors, endothelin ment of advanced prostate cancer. ADT combined antagonists and matrix metalloproteinase inhibitors; with radiation therapy is a standard of care in the and immunologic approaches. Many of these agents treatment of men with locally advanced prostate seem promising and the rationale and efficacy of cancer on the basis of evidence that

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shows improved these emerging therapies remain to be validated in survival. The role of ADT in the management of future clinical trials.

In the modern world, most gross product is created within Enterprise firms, project programs, state agencies, transnational corporations and their divisions, as well as various associations and compositions of the above entities. Enterprises, being, on the one hand, complex, and, on the other hand, widespread systems, are the subject matter of cybernetics, system theory, operations research, management sciences and many other fields of knowledge. However, the complexity of the system obstructs the development of mathematically rigorous foundations for Enterprise control. Moreover, methods of operations research and related sciences, which are widely used in practice, provide optimization of the constituents of an Enterprise, without modeling it as a whole system. But the optimization of parts does not lead to the optimality of the whole, and, also, the absence of top-down and holistic mathematical models of Enterprise contradicts the principle of holism and the system approach. The approach in this book looks first at Enterprise Systems and their essential aspects as complex sociotechnical systems composed of integrated sets of structural and process models (Chapters 1 and 2). A uniform description of all the heterogeneous fields of the modern Enterprise (marketing, sales, manufacturing, HR, finance, etc.) is then made, and the Enterprise Control Problem is posed as a top-down and holistic mathematical optimization problem (Chapter 3). Original models and methods of contract theory (Chapter 4), technology management (Chapter 5), human behavior and human capital (Chapter 6) and complex activity and resource planning (Chapter 7) are developed to solve the problem. Structural processes and mathematical models constitute an Optimal Enterprise Control Framework (Chapter 8) that provides a practical solution to the Enterprise Control Problem. This book is a resource for postgraduate and doctoral students, postdoctoral researchers and professors with research interests in the following fields of science: Fundamental Complex Systems study, Complex Systems Engineering, Enterprise Systems Engineering Applications of Operations Research, Optimization, Probability and Stochastic processes to Management Science, Economics and Business Theory of the Firm Business and Management – general, strategy/leadership, organization management, operations management and management information systems Theory of Business Processes, Business Processes Improvement and Reengineering Treatment of Cerebral Palsy and Motor Delay is first and foremost a practical book, a distillation of Sophie Levitt's considerable experience in treating those affected by cerebral palsy. This fifth edition outlines therapeutic approaches and suggests treatment and management options, providing a wealth of practical information, supported by clear diagrams and photographs, on assessment, management and treatment. The book emphasises an eclectic, holistic approach, and integrates current ideas on motor control and motor learning in a further development of Levitt's Collaborative Learning Approach. This new edition provides greater commentary on evidence-based practice, as well as practical, updated information on the use of botulinum toxin, orthopaedic surgery and the therapist's role following these procedures. The book is aimed primarily at practitioners and students concerned with the developmental abilities and difficulties of children, particularly physiotherapists and occupational therapists working in paediatrics. Doctors and other healthcare professionals will also find useful insights in the book. Parents, families and also teachers of people with cerebral palsy can learn more about therapy by consulting the book together with their therapist. Written by an international authority in the field Extensively revised, updated and well referenced Emphasises an eclectic, functional and holistic approach Highly illustrated Promotes positive relationships between therapists, people with cerebral palsy and their families From the Foreword: "I greatly welcome the fifth edition of this book which brings together the management of cerebral palsies into a comprehensive but readable form... This book is in my view an essential part of both a therapist's and doctor's basic understanding of the subject..."

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This book remains essential for those managing children with disability." —Brian Neville, Professor of Childhood Epilepsy, Professor of Paediatric Neurology, University College London, Institute of Child Health/Great Ormond Street Hospital for Children NHS Trust.

Advanced Control of Turbofan Engines describes the operational performance requirements of turbofan (commercial) engines from a controls systems perspective, covering industry-standard methods and research-edge advances. This book allows the reader to design controllers and produce realistic simulations using public-domain software like CMAPSS: Commercial Modular Aero-Propulsion System Simulation, whose versions are released to the public by NASA. The scope of the book is centered on the design of thrust controllers for both steady flight and transient maneuvers. Classical control theory is not dwelled on, but instead an introduction to general undergraduate control techniques is provided. Advanced Control of Turbofan Engines is ideal for graduate students doing research in aircraft engine control and non-aerospace oriented control engineers who need an introduction to the field.

This volume is designed to teach engineers, scientists, and other technologists the basic management skills they will need to be effective throughout their careers.

As we know, rapid industrialization is a serious concern in the context of a healthy environment. Various physico-chemical and biological approaches for the removal of toxic pollutants are available, but unfortunately these are not very effective. Biological approaches using microorganisms (bacterial/fungi/algae), green plants or their enzymes to degrade/detoxify environmental contaminants such as endocrine disrupting chemicals, toxic metals, pesticides, dyes, petroleum hydrocarbons and phenolic compounds are eco-friendly and low cost. This book provides a much-needed, comprehensive overview of the various types of contaminants, their toxicological effects on the environment, humans, animals and plants as well as various eco-friendly approaches for their management (degradation/detoxification). As such it is a valuable resource for a wide range of students, scientists and researchers in microbiology, biotechnology, environmental sciences.

Here's your guide to understanding, applying, and coordinating the process of evidence-based practice for your DNP scholarly or capstone project. Step-by-step, you'll learn everything you need to know to successfully complete your project and develop the leadership skills that enhance the DNP's role in practice. From the theoretical and philosophical foundation of evidence-based practice and collecting and analyzing evidence as the basis for practice through translating the research into solving a practice issue and evaluating the outcome, you'll have all of the tools you need to successfully complete your project and bring about changes in clinical, management, and educational practices.

Co-published with the Food and Agriculture Organization of the United Nations. Fisheries management is the process that has evolved to try to ensure that fisheries operate in a manner that provides the immediate benefits in a sustainable manner. The widely accepted goal is that the full range of benefits should not only be available for this generation but for generations to come. Fisheries management has been successful in some cases but there have also been many, many cases of failure. This volume is intended to contribute to improving this unsatisfactory state by addressing the widespread need for information and guidance on the broad and often complex task of fisheries management. It is an updated and expanded edition of the first version of "A fishery manager's guidebook" which was published as a FAO Fisheries Technical Paper in 2002. The major part of this new edition is divided into five parts intended to cover the range of concerns, tools and techniques essential to the modern fisheries manager, whether that manager is an individual or a formal or informal group. Following the Introduction: Part I examines the primary dimensions of fisheries: biological, ecological, social and economic Part II looks at the legal and institutional characteristics of fisheries Part III explores the tools that fishery managers have to achieve the objectives expected from a fishery Part IV discusses the role of scientific information of indicators and

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reference points Part V moves into implementation of fisheries management and includes a chapter on special considerations in small-scale fisheries. This landmark publication is aimed at fishery managers and scientists. All libraries in research establishments and universities where fisheries and aquatic sciences are studied and taught will need copies of this important volume. Fisheries around the world make essential contributions to human well-being including the provision of basic food supplies, employment, recreational opportunities, foreign currency and others, providing benefits to hundreds of millions of people. Despite these benefits, our record of managing fisheries so that the benefits can be sustained has been poor, at best, and most fisheries around the world are experiencing serious ecological, social or economic problems and usually all three. Today there is global concern about the state of fishery resources and aquatic ecosystems, their resilience to future stresses such as climate change and their ability to continue to provide benefits.

Project management is widely used in the construction industry and is central to planning and controlling time, costs and resources. This book enables readers to perform more effectively, to understand project planning and control procedures and to gain an insight into the associated skills. Numerous case examples from diverse industries and exercises support and illustrate important concepts. The result is a new perspective for project managers: planning can be shown to be a systems synthesis or an inverse problem, which provides a way to reach a satisfactory solution, avoiding the time-consuming or impractical search for the optimal solution.

This book proposes systemic design methodologies applied to electrical energy systems, in particular analysis and system management, modeling and sizing tools. It includes 8 chapters: after an introduction to the systemic approach (history, basics & fundamental issues, index terms) for designing energy systems, this book presents two different graphical formalisms especially dedicated to multidisciplinary devices modeling, synthesis and analysis: Bond Graph and COG/EMR. Other systemic analysis approaches for quality and stability of systems, as well as for safety and robustness analysis tools are also proposed. One chapter is dedicated to energy management and another is focused on Monte Carlo algorithms for electrical systems and networks sizing. The aim of this book is to summarize design methodologies based in particular on a systemic viewpoint, by considering the system as a whole. These methods and tools are proposed by the most important French research laboratories, which have many scientific partnerships with other European and international research institutions. Scientists and engineers in the field of electrical engineering, especially teachers/researchers because of the focus on methodological issues, will find this book extremely useful, as will PhD and Masters students in this field.

This book delves into problem solving, one of the core components of dialectical behavior therapy (DBT). The authors are leading DBT trainers who elucidate the therapy's principles of behavior change and use case examples to illustrate their effective application. Particular attention is given to common pitfalls that therapists encounter in analyzing target behaviors--for example, a suicide attempt or an episode of bingeing and purging--and selecting and implementing appropriate solutions. Guidelines are provided for successfully implementing the full range of DBT problem-solving strategies, including skills training, stimulus control and exposure, cognitive restructuring, and contingency management.

The complete guide to managing the quantity and quality of urban storm water runoff. Focuses on the planning and design of facilities and systems to control flooding, erosion, and non-point source pollution. Explains the practical application of the state-of-the-art in concepts and methods, based on the author's nearly 20 years' urban water resources engineering experience in the public and private sectors--and the state-of-the-art of urban surface water management is far ahead of the state-of-the-practice. This

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book covers all the major methods, and discusses other available, but little-known, concepts, tools, and techniques. Chapters cover the emergency and convenience system concept, master planning, computer modeling, multi-purpose flood control/water-quality enhancement/recreation facilities, and more.

Magnesium Materials From Mountain Bikes to Degradable Bone Grafts Walter de Gruyter GmbH & Co KG

Crop water use can be increased by management of surface runoff, groundwater, irrigation, and soil water. Technological innovations to enhance availability of water for agricultural crops depend on soil and site-specific conditions. Devoted to the principles and practices of enhancing water use efficiency, *Soil Water and Agronomic Productivity* addr

A World Heritage Site is a landmark or area which is selected by the United Nations Educational, Scientific and Cultural Organization (UNESCO) as having cultural, historical, scientific or other form of significance, and is legally protected by international treaties. The sites are judged important to the collective interests of humanity. The main objectives were to define the World Heritage in both cultural and natural aspects; to enlist Sites and Monuments from the member countries which are of exceptional interest and universal value, the protection of which is the concern of all mankind; and to promote co-operation among all Nations and people to contribute for the protection of these universal treasures intact for future generations. This beautiful book shows off these sites, providing a brief text, and photographs for each. It is a stunning indication of the longevity and durability, culture, and spirit.

Reviewing the literature is an essential part of every research project. This book takes you step-by-step through the process of approaching your literature review systematically, applying systematic principles to a wide range of literature review types. Through numerous examples, case studies and exercises, the book covers often neglected areas of literature review such as concept analysis, scoping and mapping. The book includes practical tools for supporting the various stages of the review process, including; - managing your literature review - searching the literature - assessing the quality of the literature - synthesising qualitative and/or quantitative data - writing up and presenting data *Systematic Approaches to a Successful Literature Review* is essential reading for any student or researcher looking to approach their literature review in a systematic way.

"This edited collection considers how landscapes designed by humans contain multiple ecosystems for animals and plants. Using quantitative methods, the contributors explain how to model what components of a landscape are critical to species of interest"--

As I understand it, a book Preface is where the author explains to the reader how the book in hand came about, something of the personal reasons for having inflicted such extended duress on one's self to complete the manuscript. and other items that are fit to say but do not fit in the text. This book had its conceptual beginnings in the 1970's with my 'studies in scientific synthesis at the North Central Forest Experiment Station, St. Paul, Minnesota. Ours is, clearly, the age of analysis. But, I felt, we must soon begin frameworks for synthesis, or a synthesis would never be possible. In short, I hoped to develop 'interaction' as an integrative principle in forestry. As work progressed on the manuscript, other subthemes developed. First, there was the vague feeling on my part

that the forestry profession was losing ground in the contest to see who should manage the forests of the world. This was happening not because foresters do not know how to manage forests in a reasonable manner, but because the public seemed to be losing faith in the judgement of foresters as professional, responsible, wise land managers. Several well-known incidents of poor judgement in timber harvesting methods on national forests in the United States did little to help the forester's image.

University students must cope with a bewildering array of registers, not only to learn academic content, but also to understand course expectations and requirements. While many previous studies have investigated academic writing, we know comparatively little about academic speech; and no linguistic study to date has investigated the range of academic and advising/management registers that students encounter. This book is a first step towards filling this gap. Based on analysis of the T2K-SWAL Corpus, the book describes university registers from several different perspectives, including: vocabulary patterns; the use of lexico-grammatical and syntactic features; the expression of stance; the use of extended collocations ('lexical bundles'); and a Multi-Dimensional analysis of the overall patterns of register variation. All linguistic patterns are interpreted in functional terms, resulting in an overall characterization of the typical kinds of language that students encounter in university registers: academic and non-academic; spoken and written.

In a time where governments and civil society organizations are putting ever-greater stock in social innovation as a route to transformation, understanding what characterizes social innovation with transformative potential is important. Exciting and promising ideas seem to die out as often as they take flight, and market mechanisms, which go a long way towards contributing to successful technical innovations, play an insignificant role in social innovations. The cases in this book explore the evolution of successful social innovation through time, from the ideas which catalysed social and system entrepreneurs to create new processes, platforms, projects and programs to fundamental social shifts in culture, economics, laws and policies which occurred as a result. In doing so, the authors shed light on how to recognize transformative potential in the early stage innovations we see today.

Increased atmospheric nitrogen deposition and changes in the management of heathlands have caused a significant change in the species composition of the NW-European heathlands. This change from ericaceous towards gramineous dominance is analysed in detail in *Heathlands: Patterns and Processes in a Changing Environment*. Special emphasis is put on the effects of increased atmospheric nutrient input on nutrient cycling, competition between plant species and plant-herbivore interactions. The possibilities for the long-term conservation of heathlands are discussed by considering regeneration from seed and the usefulness of mathematical management models. The book provides a synthesis of pure and applied plant ecology. It is vital reading for plant ecologists, biological conservationists, heathland managers and government decision makers.

Global climate change is a natural process that currently appears to be strongly influenced by human activities, which increase atmospheric concentrations of greenhouse gases (GHG). Agriculture contributes about 20% of the world's global radiation forcing from carbon dioxide, methane and nitrous oxide, and produces 50% of the methane and 70% of the nitrous oxide of the human-induced emission. *Managing Agricultural Greenhouse Gases* synthesizes the wealth of information generated from the GRACEnet (Greenhouse gas Reduction through Agricultural Carbon Enhancement network) effort with contributors from a variety of backgrounds, and reports findings with important international applications. *Frames* responds to challenges associated with climate change within the geographical domain of the U.S., while

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providing a useful model for researchers in the many parts of the world that possess similar ecoregions Covers not only soil C dynamics but also nitrous oxide and methane flux, filling a void in the existing literature Educates scientists and technical service providers conducting greenhouse gas research, industry, and regulators in their agricultural research by addressing the issues of GHG emissions and ways to reduce these emissions Synthesizes the data from top experts in the world into clear recommendations and expectations for improvements in the agricultural management of global warming potential as an aggregate of GHG emissions This volume takes a multi-level approach to understanding and treating personality disorder, identifying core symptoms and problems that many patients share and providing a comprehensive framework for clinical intervention. Drawing on etiological knowledge as well as outcome research, the book identifies effective strategies for addressing key areas of the patient's psychosocial and biological functioning. The clinician learns how to conceptualize the phases of treatment and use the stages-of-change model as a guide for sequencing and selecting appropriate interventions. Pragmatic and flexible, the research-based strategies presented here are applicable in diverse settings, in therapies ranging from crisis intervention to long-term treatment.

This title aims to teach how to invent optimal and sustainable chemical processes by making use of systematic conceptual methods and computer simulation techniques. The material covers five sections: process simulation; thermodynamic methods; process synthesis; process integration; and design project including case studies. It is primarily intended as a teaching support for undergraduate and postgraduate students following various process design courses and projects, but will also be of great value to professional engineers interested in the newest design methods. Provides an introduction to the newest design methods. Of great value to undergraduate and postgraduate students as well as professional engineers. Numerous examples illustrate theoretical principles and design issues.

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