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MICROBIAL BIOTECHNOLOGY

ROLE IN ECOLOGICAL SUSTAINABILITY AND RESEARCH

John Wiley & Sons *A holistic approach covering a wide range of environmental microbial applications along with current and future trends In Microbial Biotechnology: Role in Ecological Sustainability and Research, a team of distinguished researchers delivers an authoritative overview of the role of microbial biotechnology in the pursuit of environmental and ecological sustainability. The book provides readers with compelling presentations of microbial technology, including its applications in the removal of environmental pollutants, and sustainable agriculture using microbial biocontrol agents or bio-fertilizers. Readers will also be able to explore the microbial reduction of greenhouse gases and a wide range of other cutting-edge applications, including the removal of various toxic environmental contaminants, such as antibiotics, pesticides, dyes, and heavy metals. Microbial Biotechnology provides: A thorough introduction to microorganisms, their metabolic engineering, the human microbiome, and other foundational topics An in-depth exploration of environmental management, including bioremediation through a nexus approach A fulsome treatment of current trends in microbial biotechnology and its role in sustainable production Perfect for professionals in applied microbiology, biotechnology, environmental engineering, green chemistry, and soil science, Microbial Biotechnology: Role in Ecological Sustainability and Research will also earn a place in the libraries of research scholars, scientists, and academicians with an interest in environmental microbiology and ecology.*

LEARN ASPEN PLUS IN 24 HOURS

McGraw Hill Professional *Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. This self-learning guide shows how to start using Aspen Plus to solve chemical engineering problems quickly and easily Discover how to solve challenging chemical engineering problems with Aspen Plus—in just 24 hours, and with no prior experience. Developed at McMaster University over a seven-year period, the book features visual guides to using detailed mathematical models for a wide range of chemical process equipment, including heat exchangers, pumps, compressors, turbines, distillation columns, absorbers, strippers, and chemical reactors. Learn Aspen Plus in 24 Hours shows, step-by-step, how to configure and use Aspen Plus v9.0 and apply its powerful features to the design, operation, and optimization of safe, profitable manufacturing facilities. You will learn how to build process models and accurately simulate those models without performing tedious calculations. Divided into 12 two-hour lessons, the guide offers downloadable Aspen Plus simulation files and visual step-by-step guides. • Contains a valuable index that lists software icons and commands used in the book • Features helpful and time-saving links to instructional videos and technical content • Instructs how to integrate your simulation with other supporting software such as Aspen Capital Cost Estimator, Aspen Energy Analyzer, and Microsoft Excel • Written by an Aspen Plus power-user and leading researcher in chemical process simulations*

CHEMICAL ENGINEERING PROCESS SIMULATION

Elsevier *Chemical Engineering Process Simulation is ideal for students, early career researchers, and practitioners, as it guides you through chemical processes and unit operations using the main simulation softwares that are used in the industrial sector. This book will help you predict the characteristics of a process using mathematical models and computer-aided process simulation tools, as well as model and simulate process performance before detailed process design takes place. Content coverage includes steady and dynamic simulations, the similarities and differences between process simulators, an introduction to operating units, and convergence tips and tricks. You will also learn about the use of simulation for risk studies to enhance process resilience, fault finding in abnormal situations, and for training operators to control the process in difficult situations. This experienced author team combines industry knowledge with effective teaching methods to make an accessible and clear comprehensive guide to process simulation. Ideal for students, early career researchers, and practitioners, as it guides you through chemical processes and unit operations using the main simulation softwares that are used in the industrial sector. Covers the fundamentals of process simulation, theory, and advanced applications Includes case studies of various difficulty levels to practice and apply the developed skills Features step-by-step guides to using Aspen Plus and HYSYS for process simulations available on companion site Helps readers predict the characteristics of a process using mathematical models and computer-aided process simulation tools*

23RD EUROPEAN SYMPOSIUM ON COMPUTER AIDED PROCESS ENGINEERING

Elsevier *Computer-aided process engineering (CAPE) plays a key design and operations role in the process industries, from the molecular scale through managing complex manufacturing sites. The research interests cover a wide range of interdisciplinary problems related to the current needs of society and industry. ESCAPE 23 brings together researchers and practitioners of computer-aided process engineering interested in modeling, simulation and optimization, synthesis and design, automation and control, and education. The proceedings present and evaluate emerging as well as established research methods and concepts, as well as industrial case studies. Contributions from the international community using computer-based methods in process engineering Reviews the latest developments in process systems engineering Emphasis on industrial and societal challenges*

23 EUROPEAN SYMPOSIUM ON COMPUTER AIDED PROCESS ENGINEERING

SIMULATION, ANALYSIS, AND ASSESSMENT OF CO₂ ENHANCED BIOMASS GASIFICATION

Elsevier Inc. Chapters *Gasification of biomass using steam enables thermal treatment under a reducing atmosphere that leads to enhanced H₂ production. Improved CO concentrations have been observed when CO₂ is added as a co-reactive agent. In this work, a biomass gasification process using steam and CO₂ in a fluidized-bed gasifier is modeled using ASPEN Plus. The model utilizes Gibbs free energy minimization to predict the effect of operating parameters such as temperature, pressure, and oxidizing media (CO₂ and steam) on biomass conversion and syngas composition. The model is validated with experimental data obtained from a real fluidized-bed gasifier at different operating conditions. A sensitivity analysis of product gas composition and a comprehensive sustainability assessment is conducted to evaluate the economic, environmental, and social performance of steam and CO₂ enhanced biomass gasification.*

29TH EUROPEAN SYMPOSIUM ON COMPUTER AIDED CHEMICAL ENGINEERING

Elsevier *The 29th European Symposium on Computer Aided Process Engineering, contains the papers presented at the 29th European Symposium of Computer Aided Process Engineering (ESCAPE) event held in Eindhoven, The Netherlands, from June 16-19, 2019. It is a valuable resource for chemical engineers, chemical process engineers, researchers in industry and academia, students, and consultants for chemical industries. Presents findings and discussions from the 29th European Symposium of Computer Aided Process Engineering (ESCAPE) event*

INTRODUCTION TO PRESCRIBED FIRE IN SOUTHERN ECOSYSTEMS

Government Printing Office *Prescribed burning is an important tool throughout*

Southern forests, grasslands, and croplands. The need to control fire became evident to allow forests to regenerate. This manual is intended to help resource managers to plan and execute prescribed burns in Southern forests and grasslands. A new appreciation and interest has developed in recent years for using prescribed fire in grasslands, especially hardwood forests, and on steep mountain slopes. Proper planning and execution of prescribed fires are necessary to reduce detrimental effects, such as the impacts on air and downstream water quality. Check out these related products: Trees at Work: Economic Accounting for Forest Ecosystem Services in the U.S. South can be found here:

<https://bookstore.gpo.gov/products/trees-work-economic-accounting-forest-ecosystem-services-us-south> Soil Survey Manual 2017 is available here:

<https://bookstore.gpo.gov/products/soil-survey-manual-march-2017> Quantifying the Role of the National Forest System Lands in Providing Surface Drinking Water Supply for the Southern United States is available here:

<https://bookstore.gpo.gov/products/quantifying-role-national-forest-system-lands-providing-surface-drinking-water-supply> Fire Management Today print subscription is available here: <https://bookstore.gpo.gov/products/fire-management-today> Wildland Fire in Ecosystems: Fire and Nonnative Invasive Plants can be found here:

<https://bookstore.gpo.gov/products/wildland-fire-ecosystems-fire-and-nonnative-invasive-plants>

STEP-GROWTH POLYMERIZATION PROCESS MODELING AND PRODUCT DESIGN

John Wiley & Sons *Understand quantitative model step-growth polymerization plans and how to predict properties of the product polymer with the essential information in Step-Growth Polymerization Process Modeling and Product Design. If you want to learn how to simulate step-growth polymerization processes using commercial software and seek an in-depth, quantitative understanding of how to develop, use, and deploy these simulations, consult this must-have guide. The book focuses on quantitative relationships between key process input variables (KPIVs) and key process output variables (KPOVs), and the integrated modeling of an entire polymer manufacturing train.*

FOSSIL ENERGY UPDATE

THEORETICAL FOUNDATIONS OF HEALTH EDUCATION AND HEALTH PROMOTION

Jones & Bartlett Learning *Health Sciences & Professions*

FUNDAMENTALS OF QUALITY CONTROL AND IMPROVEMENT 2E

Custom Pub *This book covers the foundations of modern methods of quality control and improvement that are used in the manufacturing and service industries. Quality is key to surviving tough competition. Consequently, business needs technically competent people who are well-versed in statistical quality control and improvement. This book should serve the needs of students in business and*

management and students in engineering, technology, and other related disciplines. Professionals will find this book to be a valuable reference in the field.

SCHOOLS OF THOUGHT

HOW THE POLITICS OF LITERACY SHAPE THINKING IN THE CLASSROOM

Jossey-Bass As a result of his visits to classrooms across the nation, Brown has compiled an engaging, thought-provoking collection of classroom vignettes which show the ways in which national, state, and local school politics translate into changed classroom practices. "Captures the breadth, depth, and urgency of education reform".--Bill Clinton.

PET VETERINARIAN

INTEGRATING SCIENCE, CLIENT EDUCATION, AND MARKETING

SEPARATION PROCESS PRINCIPLES WITH APPLICATIONS USING PROCESS SIMULATORS, 4TH EDITION

Wiley Global Education Separation Process Principles with Applications Using Process Simulator, 4th Edition is the most comprehensive and up-to-date treatment of the major separation operations in the chemical industry. The 4th edition focuses on using process simulators to design separation processes and prepares readers for professional practice. Completely rewritten to enhance clarity, this fourth edition provides engineers with a strong understanding of the field. With the help of an additional co-author, the text presents new information on bioseparations throughout the chapters. A new chapter on mechanical separations covers settling, filtration and centrifugation including mechanical separations in biotechnology and cell lysis. Boxes help highlight fundamental equations. Numerous new examples and exercises are integrated throughout as well.

CATALYTIC HYDROGENATION

Elsevier The collection of contributions in this volume presents the most up-to-date findings in catalytic hydrogenation. The individual chapters have been written by 36 top specialists each of whom has achieved a remarkable depth of coverage when dealing with his particular topic. In addition to detailed treatment of the most recent problems connected with catalytic hydrogenations, the book also contains a number of previously unpublished results obtained either by the authors themselves or within the organizations to which they are affiliated. Because of its topical and original character, the book provides a wealth of information which will be invaluable not only to researchers and technicians dealing with hydrogenation, but also to all those concerned with homogeneous and heterogeneous catalysis, organic technology, petrochemistry and chemical engineering.

QUALITATIVE RESEARCH IN NURSING

ADVANCING THE HUMANISTIC IMPERATIVE

Lippincott Williams & Wilkins *"Qualitative Research in Nursing is a user-friendly text that systematically provides a sound foundation for understanding a wide range of qualitative research methodologies, including triangulation. It approaches nursing education, administration, and practice and gives step-by-step details to instruct students on how to implement each approach. Features include emphasis on ethical considerations and methodological triangulation, instrument development and software usage; critiquing guidelines and questions to ask when evaluating aspects of published research; and tables of published research that offer resources for further reading"--Provided by publisher.*

THE SOCIOLOGY OF GENDER

AN INTRODUCTION TO THEORY AND RESEARCH

John Wiley & Sons *Gender is one of the most important topics in the field of sociology, and as a system of social practices it inspires a multitude of theoretical approaches. The Sociology of Gender offers an introductory overview of gender theory and research, offering a unique and compelling approach. Treats gender as a multilevel system operating at the individual, interactional, and institutional levels. Stresses conceptual and theoretical issues in the sociology of gender. Offers an accessible yet intellectually sophisticated approach to current gender theory and research. Includes pedagogical features designed to encourage critical thinking and debate. Closer Look readings at the end of each chapter give a unique perspective on chapter topics by presenting relevant articles by leading scholars.*

ANALYSIS, SYNTHESIS AND DESIGN OF CHEMICAL PROCESSES

Pearson Education *The Leading Integrated Chemical Process Design Guide: Now with New Problems, New Projects, and More More than ever, effective design is the focal point of sound chemical engineering. Analysis, Synthesis, and Design of Chemical Processes, Third Edition, presents design as a creative process that integrates both the big picture and the small details--and knows which to stress when, and why. Realistic from start to finish, this book moves readers beyond classroom exercises into open-ended, real-world process problem solving. The authors introduce integrated techniques for every facet of the discipline, from finance to operations, new plant design to existing process optimization. This fully updated Third Edition presents entirely new problems at the end of every chapter. It also adds extensive coverage of batch process design, including realistic examples of equipment sizing for batch sequencing; batch scheduling for multi-product plants; improving production via intermediate storage and parallel equipment; and new optimization techniques specifically for batch processes. Coverage includes Conceptualizing and analyzing chemical processes: flow diagrams, tracing, process conditions, and more Chemical process economics: analyzing capital and manufacturing costs, and predicting or assessing profitability Synthesizing and*

optimizing chemical processing: experience-based principles, BFD/PFD, simulations, and more Analyzing process performance via I/O models, performance curves, and other tools Process troubleshooting and “debottlenecking” Chemical engineering design and society: ethics, professionalism, health, safety, and new “green engineering” techniques Participating successfully in chemical engineering design teams Analysis, Synthesis, and Design of Chemical Processes, Third Edition, draws on nearly 35 years of innovative chemical engineering instruction at West Virginia University. It includes suggested curricula for both single-semester and year-long design courses; case studies and design projects with practical applications; and appendixes with current equipment cost data and preliminary design information for eleven chemical processes—including seven brand new to this edition.

DRYING TECHNOLOGIES IN FOOD PROCESSING

John Wiley & Sons *Drying is by far the most useful large scale operation method of keeping solid foods safe for long periods of time, and is of fundamental importance in most sectors of food processing. Drying operations need to be precisely controlled and optimized in order to produce a good quality product that has the highest level of nutrient retention and flavor whilst maintaining microbial safety. This volume provides an up to date account of all the major drying technologies employed in the food industry and their underlying scientific principles and effects. Various equipment designs are classified and described. The impact of drying on food properties is covered, and the micro-structural changes caused by the process are examined, highlighting their usefulness in process analysis and food design. Key methods for assessing food properties of dried products are described, and pre-concentration and drying control strategies are reviewed. Thermal hazards and fire/explosion detection and prevention for dryers are discussed in a dedicated chapter. Where appropriate, sample calculations are included for engineers and technologists to follow. The book is directed at food scientists and technologists in industry and research, food engineers and drying equipment manufacturers.*

DESIGN SIMULATION

USE OF PHOTOGRAPHIC AND ELECTRONIC MEDIA IN DESIGN AND PRESENTATION

Wiley-Interscience

A GUIDE FOR PRESCRIBED FIRE IN SOUTHERN FORESTS

AMERICAN MEN AND WOMEN OF SCIENCE

URBAN COMMUNITY SCIENCES

NUMSENSE! DATA SCIENCE FOR THE LAYMAN

NO MATH ADDED

Annalyn Ng & Kenneth Soo *Used in Stanford's CS102 Big Data (Spring 2017)*

course. Want to get started on data science? Our promise: no math added. This book has been written in layman's terms as a gentle introduction to data science and its algorithms. Each algorithm has its own dedicated chapter that explains how it works, and shows an example of a real-world application. To help you grasp key concepts, we stick to intuitive explanations, as well as lots of visuals, all of which are colorblind-friendly. Popular concepts covered include: A/B Testing Anomaly Detection Association Rules Clustering Decision Trees and Random Forests Regression Analysis Social Network Analysis Neural Networks Features: Intuitive explanations and visuals Real-world applications to illustrate each algorithm Point summaries at the end of each chapter Reference sheets comparing the pros and cons of algorithms Glossary list of commonly-used terms With this book, we hope to give you a practical understanding of data science, so that you, too, can leverage its strengths in making better decisions.

SOFTWARE STUDIES

A LEXICON

MIT Press This collection of short expository, critical and speculative texts offers a field guide to the cultural, political, social and aesthetic impact of software. Experts from a range of disciplines each take a key topic in software and the understanding of software, such as algorithms and logical structures.

THE REAL WORLD

AN INTRODUCTION TO SOCIOLOGY

W. W. Norton "In every chapter, Ferris and Stein use examples from everyday life and pop culture to draw students into thinking sociologically and to show the relevance of sociology to their relationships, jobs, and future goals. Data Workshops in every chapter give students a chance to apply theoretical concepts to their personal lives and actually do sociology.

ENVIRONMENTAL SAMPLING AND ANALYSIS FOR TECHNICIANS

CRC Press This book provides the basic knowledge in sample collection, field and laboratory quality assurance/quality control (QA/QC), sample custody, regulations and standards of environmental pollutants. The text covers sample collection, preservation, handling, detailed field activities, and sample custody. It provides an overview of the occurrence, source, and fate of toxic pollutants, as well as their control by regulations and standards. *Environmental Sampling and Analysis for Technicians* is an excellent introductory text for laboratory training classes, namely those teaching inorganic nonmetals, metals, and trace organic pollutants and their detection in environmental samples.

BIOSEPARATIONS SCIENCE AND ENGINEERING

Oxford University Press Designed for undergraduates, graduate students, and industry practitioners, *Bioseparations Science and Engineering* fills a critical need in

the field of bioseparations. Current, comprehensive, and concise, it covers bioseparations unit operations in unprecedented depth. In each of the chapters, the authors use a consistent method of explaining unit operations, starting with a qualitative description noting the significance and general application of the unit operation. They then illustrate the scientific application of the operation, develop the required mathematical theory, and finally, describe the applications of the theory in engineering practice, with an emphasis on design and scaleup. Unique to this text is a chapter dedicated to bioseparations process design and economics, in which a process simulator, SuperPro Designer® is used to analyze and evaluate the production of three important biological products. New to this second edition are updated discussions of moment analysis, computer simulation, membrane chromatography, and evaporation, among others, as well as revised problem sets. Unique features include basic information about bioproducts and engineering analysis and a chapter with bioseparations laboratory exercises. Bioseparations Science and Engineering is ideal for students and professionals working in or studying bioseparations, and is the premier text in the field.

PREDICTIVE ANALYTICS

THE POWER TO PREDICT WHO WILL CLICK, BUY, LIE, OR DIE

John Wiley & Sons "Mesmerizing & fascinating..." —*The Seattle Post-Intelligencer*
"The Freakonomics of big data." —*Stein Kretsinger, founding executive of Advertising.com*
Award-winning | Used by over 30 universities | Translated into 9 languages
An introduction for everyone. In this rich, fascinating — surprisingly accessible — introduction, leading expert Eric Siegel reveals how predictive analytics (aka machine learning) works, and how it affects everyone every day. Rather than a "how to" for hands-on techies, the book serves lay readers and experts alike by covering new case studies and the latest state-of-the-art techniques. Prediction is booming. It reinvents industries and runs the world. Companies, governments, law enforcement, hospitals, and universities are seizing upon the power. These institutions predict whether you're going to click, buy, lie, or die. Why? For good reason: predicting human behavior combats risk, boosts sales, fortifies healthcare, streamlines manufacturing, conquers spam, optimizes social networks, toughens crime fighting, and wins elections. How? Prediction is powered by the world's most potent, flourishing unnatural resource: data. Accumulated in large part as the by-product of routine tasks, data is the unsalted, flavorless residue deposited en masse as organizations churn away. Surprise! This heap of refuse is a gold mine. Big data embodies an extraordinary wealth of experience from which to learn. Predictive analytics (aka machine learning) unleashes the power of data. With this technology, the computer literally learns from data how to predict the future behavior of individuals. Perfect prediction is not possible, but putting odds on the future drives millions of decisions more effectively, determining whom to call, mail, investigate, incarcerate, set up on a date, or medicate. In this lucid, captivating introduction — now in its Revised and Updated edition — former Columbia University professor and Predictive Analytics World founder Eric Siegel reveals the power and perils of prediction: What type of mortgage risk Chase Bank predicted before the recession.

Predicting which people will drop out of school, cancel a subscription, or get divorced before they even know it themselves. Why early retirement predicts a shorter life expectancy and vegetarians miss fewer flights. Five reasons why organizations predict death — including one health insurance company. How U.S. Bank and Obama for America calculated the way to most strongly persuade each individual. Why the NSA wants all your data: machine learning supercomputers to fight terrorism. How IBM's Watson computer used predictive modeling to answer questions and beat the human champs on TV's Jeopardy! How companies ascertain untold, private truths — how Target figures out you're pregnant and Hewlett-Packard deduces you're about to quit your job. How judges and parole boards rely on crime-predicting computers to decide how long convicts remain in prison. 182 examples from Airbnb, the BBC, Citibank, ConEd, Facebook, Ford, Google, the IRS, LinkedIn, Match.com, MTV, Netflix, PayPal, Pfizer, Spotify, Uber, UPS, Wikipedia, and more. How does predictive analytics work? This jam-packed book satisfies by demystifying the intriguing science under the hood. For future hands-on practitioners pursuing a career in the field, it sets a strong foundation, delivers the prerequisite knowledge, and whets your appetite for more. A truly omnipresent science, predictive analytics constantly affects our daily lives. Whether you are a consumer of it — or consumed by it — get a handle on the power of Predictive Analytics.

SMART VILLAGE TECHNOLOGY

CONCEPTS AND DEVELOPMENTS

Springer Nature *This book offers a transdisciplinary perspective on the concept of "smart villages" Written by an authoritative group of scholars, it discusses various aspects that are essential to fostering the development of successful smart villages. Presenting cutting-edge technologies, such as big data and the Internet-of-Things, and showing how they have been successfully applied to promote rural development, it also addresses important policy and sustainability issues. As such, this book offers a timely snapshot of the state-of-the-art in smart village research and practice.*

THE ACQUISITION OF WRITTEN LANGUAGE

RESPONSE AND REVISION

Ablex Pub *This volume addresses a central question in the acquisition of written language-the interrelated roles of response and revision- and begins to account both for the cognitive processes underlying learning to write and the social context of schooling. Both perspectives are crucial to understanding the acquisition of writing. The first section examines the language of instruction to see how response and revision are accomplished in instructional settings. The second section investigates the role of the computer as respondent and the usefulness of its aid during revision. The final section challenges both traditional ways of studying revision and past assumptions about parts of the revision process. They offer a new perspective for studying revision and its relationship to response.*

CHEMICAL ENGINEERING COMPUTATION WITH MATLAB®

CRC Press *Chemical Engineering Computation with MATLAB®, Second Edition* continues to present basic to advanced levels of problem-solving techniques using MATLAB as the computation environment. The Second Edition provides even more examples and problems extracted from core chemical engineering subject areas and all code is updated to MATLAB version 2020. It also includes a new chapter on computational intelligence and: Offers exercises and extensive problem-solving instruction and solutions for various problems Features solutions developed using fundamental principles to construct mathematical models and an equation-oriented approach to generate numerical results Delivers a wealth of examples to demonstrate the implementation of various problem-solving approaches and methodologies for problem formulation, problem solving, analysis, and presentation, as well as visualization and documentation of results Includes an appendix offering an introduction to MATLAB for readers unfamiliar with the program, which will allow them to write their own MATLAB programs and follow the examples in the book Provides aid with advanced problems that are often encountered in graduate research and industrial operations, such as nonlinear regression, parameter estimation in differential systems, two-point boundary value problems and partial differential equations and optimization This essential textbook readies engineering students, researchers, and professionals to be proficient in the use of MATLAB to solve sophisticated real-world problems within the interdisciplinary field of chemical engineering. The text features a solutions manual, lecture slides, and MATLAB program files.

INTRODUCTION TO NURSING INFORMATICS

Springer Science & Business Media *Intended as a primer for those just beginning to study nursing informatics, this text equally provides a thorough introduction to basic terms and concepts, as well as an in-depth exploration of the most popular applications in nursing practice, education, administration and research. The Third Edition is updated and expanded to reflect the vast technological advances achieved in health care in recent years. Readers will learn how to use computers and information management systems in their practices, make informed choices related to software/hardware selection, and implement computerized solutions for information management strategies.*

FOREST DYNAMICS

AN ECOLOGICAL MODEL

Oxford University Press on Demand *Offering a fresh perspective on ecological phenomena, this book provides all the information necessary to understand and use the JABOWA simulation model of forest growth. It sets the forest model within the broader context of the science of ecology and the ecological issues that confront society in the management of forests.*

MODIFIED FIBERS WITH MEDICAL AND SPECIALTY APPLICATIONS

Springer Science & Business Media *Covers cutting edge areas of fiber design and function in an introductory format Addresses a wide range of applications and modifications of natural and synthetic fibers for various applications Focuses on medical applications, but not exclusively Military and homeland security related applications Wound dressing design and future improvements are also covered Contains several different subjects such as magnetic fibers and electrospun fibers*

THE HANDBOOK OF ENVIRONMENTAL EDUCATION

Routledge *First Published in 2004. Routledge is an imprint of Taylor & Francis, an informa company.*

AN INTRODUCTION TO CHEMICAL ENGINEERING

Hassell Street Press *This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread and republished using a format that seamlessly blends the original graphical elements with text in an easy-to-read typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.*

ADVANCING EQUITY PLANNING NOW

Cornell University Press *What can planners do to restore equity to their craft? Drawing upon the perspectives of a diverse group of planning experts, Advancing Equity Planning Now places the concepts of fairness and equal access squarely in the center of planning research and practice. Editors Norman Krumholz and Kathryn Wertheim Hexter provide essential resources for city leaders and planners, as well as for students and others, interested in shaping the built environment for a more just world. Advancing Equity Planning Now remind us that equity has always been an integral consideration in the planning profession. The historic roots of that ethical commitment go back more than a century. Yet a trend of growing inequality in America, as well as other recent socio-economic changes that divide the wealthiest from the middle and working classes, challenge the notion that a rising economic tide lifts all boats. When planning becomes mere place-making for elites, urban and regional planners need to return to the fundamentals of their profession. Although they have not always done so, planners are well-positioned to advocate for greater equity in public policies that address the multiple objectives of urban planning including housing, transportation, economic development, and the removal of noxious land uses in neighborhoods. Thanks to generous funding from Cleveland State University, the ebook editions of this book are available as Open Access*

volumes from Cornell Open (cornellopen.org) and other repositories.

GEOLOGY OF NEW YORK

A SIMPLIFIED ACCOUNT

New York State Museum

CONTEMPORARY ENGINEERING ECONOMICS, GLOBAL EDITION

Pearson Higher Ed For courses in engineering and economics *Comprehensively blends engineering concepts with economic theory Contemporary Engineering Economics teaches engineers how to make smart financial decisions in an effort to create economical products. As design and manufacturing become an integral part of engineers' work, they are required to make more and more decisions regarding money. The 6th Edition helps students think like the 21st century engineer who is able to incorporate elements of science, engineering, design, and economics into his or her products. This text comprehensively integrates economic theory with principles of engineering, helping students build sound skills in financial project analysis. The full text downloaded to your computer With eBooks you can: search for key concepts, words and phrases make highlights and notes as you study share your notes with friends eBooks are downloaded to your computer and accessible either offline through the Bookshelf (available as a free download), available online and also via the iPad and Android apps. Upon purchase, you'll gain instant access to this eBook. Time limit The eBooks products do not have an expiry date. You will continue to access your digital ebook products whilst you have your Bookshelf installed.*

PROCESS INTENSIFICATION

BREAKTHROUGH IN DESIGN, INDUSTRIAL INNOVATION PRACTICES, AND EDUCATION

Walter de Gruyter GmbH & Co KG *Process Intensification is a comprehensive textbook and treats the theory of process intensification design, and all innovation steps from idea generation to commercial implementation, and all focused on contributing to the UN Sustainable Development Goals. This book covers the 'hard' elements of design, modelling, and experimental validations and the 'soft' elements, values of engineers, interests of stakeholders and beliefs of society.*