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Many senior executives talk about information as one of their most important assets, but few behave as if it is. They report to the board on

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the health of their workforce, their financials, their customers, and their partnerships, but rarely the health of their information assets. Corporations typically exhibit greater discipline in tracking and accounting for their office furniture than their data. Infonomics is the

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theory, study, and discipline of asserting economic significance to information. It strives to apply both economic and asset management principles and practices to the valuation, handling, and deployment of information assets. This book specifically shows: CEOs

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and business leaders how to more fully wield information as a corporate asset CIOs how to improve the flow and accessibility of information CFOs how to help their organizations measure the actual and latent value in their information assets. More directly,

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this book is for the burgeoning force of chief data officers (CDOs) and other information and analytics leaders in their valiant struggle to help their organizations become more infosavvy. Author Douglas Laney has spent years researching and developing Infonomics and

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advising organizations on the infinite opportunities to monetize, manage, and measure information. This book delivers a set of new ideas, frameworks, evidence, and even approaches adapted from other disciplines on how to administer, wield, and understand

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the value of information. Infonomics can help organizations not only to better develop, sell, and market their offerings, but to transform their organizations altogether. This series contains the decisions of the Court in both the English and French texts.

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The energy industry's accelerated evolution requires visionary change
The Final Frontier parses the evolution of the oil and gas sector to map out a plan for going forward.
The global energy industry is huge, and it is in disarray; between low oil and gas prices, climate change,

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rising development costs, and ever-mounting regulations, the need for change has been made crystal clear—but planning is much easier than implementation, and stasis is not progress. This book shows how redesigning internal operating models can bring about the

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necessary change in the implementation of upstream capabilities-driven strategies. From integrated, national, major, and independent oil companies, to the service companies in the upstream supply chain, there isn't an enterprise in the sector that cannot

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benefit from reduced costs and increased efficiency. Knowing that change is necessary is not enough—this book shows you what to change, and how to change it to get off the treadmill and start moving forward. With expert guidance through each redesign

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element, this insightful guide provides more than simply ideas: it provides real, practical guidance on transforming operations to keep pace with the changes and create lasting advantage. Identify the most relevant organizational capabilities for your resource portfolio, as well

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**as the changes that can translate
into savings and efficiency Build a
workable plan for real-world
implementation Redesign the
operating model most suited to the
needs of your business on an
organization-wide basis Learn what
to do differently and how to do it**

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differently The energy industry has made great strides: our understanding of the global resource base, the nature of ownership and principal stakeholders, new technologies for resource development, and our economics and business models

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have all undergone a tremendous revolution, but now the more difficult—and more valuable—task begins. The Final Frontier helps you navigate the future and implement the changes necessary to avoid getting left behind.

Climate change : what's the big

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deal? -- Business as usual : what are the costs? -- Why do economists like a carbon tax? -- Isn't there a better way? (No, there isn't) -- Cap and trade : the other way to price pollution -- What to do with \$200 billion : give it back -- So you want a carbon tax : how do you

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design it? -- Objections to a carbon tax -- Enacting a carbon tax: how do we get there? -- Afterword : what next? -- References -- Notes

The Productivity Puzzle: Restoring Economic Dynamism

The Economics of Planetary Security

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**How to Monetize, Manage, and
Measure Information as an Asset
for Competitive Advantage**

The New Map

Review of Maritime Transport 2020

E&P's Low-Cost Operating Model

Who Will Finance Innovation?

This study explores the roles

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played by magic in contemporary African warfare, specifically through the case of Sierra Leone, to assess its impact on behaviour in conflict. A conceptual framework is suggested for analysing culturally alien

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practices more broadly and to inform approaches to civilian and military intervention.

Lignin, an aromatic biopolymer found in plant cell walls, is a key component of lignocellulosic biomass and generally utilized for

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heat and power. However, lignin's chemical composition makes it an attractive source for biological and catalytic conversion to fuels and chemicals. Bringing together experts from biology, catalysis, engineering, analytical

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chemistry, and techno-economic/life-cycle analysis, Lignin Valorization presents a comprehensive, interdisciplinary picture of how lignocellulosic biorefineries could potentially employ lignin valorization

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technologies. Chapters will specifically focus on the production of fuels and chemicals from lignin and topics covered include (i) methods for isolating lignin in the context of the lignocellulosic biorefinery, (ii)

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thermal, chemo-catalytic, and biological methods for lignin depolymerization, (iii) chemo-catalytic and biological methods for upgrading lignin, (iv) characterization of lignin, and (v) techno-economic and life-cycle

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analysis of integrated processes to utilize lignin in an integrated biorefinery. The book provides the latest breakthroughs and challenges in upgrading lignin to fuels and chemicals for graduate students and researchers in

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academia, governmental
laboratories, and industry
interested in biomass conversion.
Essential guidance for the
corporate finance professional —
advisor, Board Director, CFO,
Treasurer, business development

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executive, or M&A expert—to ask the right questions and make the critical decisions. Strategic Corporate Finance is a practical guide to the key issues, their context, and their solutions. From performance measurement and

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capital planning to risk management and capital structure, Strategic Corporate Finance, translates principles of corporate finance theory into practical methods for implementing them. Filled with in-

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depth insights, expert advice, and detailed case studies, Strategic Corporate Finance will prepare you for the issues involved in raising, allocating and managing capital, and its associated risks.
Justin Pettit (New York, NY)

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draws on his 15 years of senior advisory experience as an investment banker and management consultant. He advises corporate boards and executives on matters of capital structure, financial policy,

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valuation, and strategy. He also lectures on topics in advanced corporate finance to graduate and undergraduate students at universities in the New York area.

14th International Symposium on Process Systems Engineering,

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Volume 49 brings together the international community of researchers and engineers interested in computing-based methods in process engineering. The conference highlights the contributions of the PSE

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community towards the sustainability of modern society and is based on the 2021 event held in Tokyo, Japan, July 1-23, 2021. It contains contributions from academia and industry, establishing the core products of

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PSE, defining the new and changing scope of our results, and covering future challenges.

Plenary and keynote lectures discuss real-world challenges (globalization, energy, environment and health) and

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contribute to discussions on the widening scope of PSE versus the consolidation of the core topics of PSE. Highlights how the Process Systems Engineering community contributes to the sustainability of modern society Establishes the

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core products of Process Systems
Engineering Defines the future
challenges of Process Systems
Engineering
Proceedings of a Workshop
Appearance and Reality in
Contemporary African Conflict

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and Beyond
Emerging Approaches
Butyraldehydes

Energy, Climate, and the Clash of
Nations

Methods, Manufacturing and

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Applications

**A GUIDE TO THE DESIGN,
OPERATION, CONTROL,
TROUBLESHOOTING,
OPTIMIZATION AS WELL AS
THE RECENT ADVANCES IN
THE FIELD OF**

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PETROCHEMICAL PROCESSES
Efficient Petrochemical Processes:
Technology, Design and Operation is
a guide to the tools and methods for
energy optimization and process
design. Written by a panel of experts
on the topic, the book highlights the

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application of these methods on petrochemical technology such as the aromatics process unit. The authors describe practical approaches and tools that focus on improving industrial energy efficiency, reducing capital investment, and optimizing

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yields through better design, operation, and optimization. The text is divided into sections that cover the range of essential topics: petrochemical technology description; process design considerations; reaction and

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separation design; process integration; process system optimization; types of revamps; equipment assessment; common operating issues; and troubleshooting case analysis. This important book: Provides the basic

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knowledge related to fundamentals, design, and operation for petrochemical processes Applies process integration techniques and optimization techniques that improve process design and operations in the petrochemical

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process Provides practical methods and tools for industrial practitioners Puts the focus on improving industrial energy efficiency, reducing capital investment, and optimizing yields Contains information on the most recent advances in the field.

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Written for managers, engineers, and operators working in process industries as well as university students, Efficient Petrochemical Processes: Technology, Design and Operation explains the most recent advances in the field of

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petrochemical processes and discusses in detail catalytic and adsorbent materials, reaction and separation mechanisms.

Reverse stress testing was introduced in risk management as a regulatory tool for financial institutions more

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than a decade ago. The recent Covid-19 crisis illustrates its relevance and highlights the need for a systematic re-thinking of tail risks in the banking sector. This book addresses the need for practical guidance describing the entire

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reverse stress testing process.

**Reverse Stress Testing in Banking
features contributions from a diverse
range of established practitioners
and academics. Organized in six
parts, the book presents a series of
contributions providing an in-depth**

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understanding of: Regulatory requirements and ways to address them Quantitative and qualitative approaches to apply reverse stress testing at different levels – from investment portfolios and individual banks to the entire banking system

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**The use of artificial intelligence,
machine learning and quantum
computing to gain insights into and
address banks' structural
weaknesses Opportunities to co-
integrate reverse stress testing with
recovery and resolution planning**

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Governance and processes for board members and C-suite executives
Readers will benefit from the case studies, use cases from practitioners, discussion questions, recommendations and innovative practices provided in this insightful

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and pioneering book.

This book is part of a two-volume work that offers a unique blend of information on realistic evaluations of catalyst-based synthesis processes using green chemistry principles and the environmental sustainability

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applications of such processes for biomass conversion, refining, and petrochemical production. The volumes provide a comprehensive resource of state-of-the-art technologies and green chemistry methodologies from researchers,

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academics, and chemical and manufacturing industrial scientists. The work will be of interest to professors, researchers, and practitioners in clean energy catalysis, green chemistry, chemical engineering and manufacturing, and

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environmental sustainability. This volume focuses on catalyst synthesis and green chemistry applications for petrochemical and refining processes. While most books on the subject focus on catalyst use for conventional crude, fuel-oriented

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refineries, this book emphasizes recent transitions to petrochemical refineries with the goal of evaluating how green chemistry applications can produce clean energy through petrochemical industrial means. The majority of the chapters are

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contributed by industrial researchers and technicians and address various petrochemical processes, including hydrotreating, hydrocracking, flue gas treatment and isomerization catalysts.

The Environmental and Technical

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**Information for Problem Spills
manuals provide detailed
information on chemical substances.
This information is intended to assist
the reader in designing
countermeasures for spills and to
assess their impact on the**

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environment.

Technology, Design and Operation

Asian Megatrends

Doing Business in Korea

A Comprehensive Guide

Lignin Valorization

32nd European Symposium on

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Computer Aided Process Engineering

Textile Manufacturing Processes

Textile manufacturing is an important subject in textile programs and processing industries. The introduction of manmade and synthetic fibers,

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such as polyester, nylon, acrylic, cellulose, and Kevlar, among others, has greatly expanded the variety of textile products available today. In addition, new fiber development has brought about new machines for producing yarns, fabrics, and

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garments. Textile Manufacturing Processes is a collection of academic and research work in the field of textile manufacturing. Written by experts, chapters cover topics such as yarn manufacturing, fabric manufacturing, and

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***garment and technical textiles.
This book is useful for students,
industry workers, and anyone
interested in learning the
fundamentals of textile
manufacturing.
Much of the existing research
looks at the outflow of companies***

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and people from Korea to foreign countries, whilst less is known about foreign firms and workers in Korea. Considering the immense interest of both academics and practitioners in the business opportunities in Korea, this book provides a

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comprehensive overview of doing business in Korea and recommendations on how foreign companies and individuals can succeed in this market. This book covers a wide range of relevant topics, including the Korean business environment, market

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entry into Korea, management issues and entrepreneurship in Korea. This is a must-read for anyone interested in or already doing business in Korea.

32nd European Symposium on Computer Aided Process Engineering: ESCAPE-32 contains

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the papers presented at the 32nd European Symposium of Computer Aided Process Engineering (ESCAPE) event held in Toulouse, France. It is a valuable resource for chemical engineers, chemical process engineers, researchers in

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***industry and academia, students
and consultants for chemical
industries who work in process
development and design.
Presents findings and
discussions from the 32nd
European Symposium of
Computer Aided Process***

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Engineering (ESCAPE) event

Publisher Description

Infonomics

Department of Defense

Dictionary of Military and

Associated Terms

The New Global Politics of the

Asia-Pacific

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***Strategic Corporate Finance
Petrochemicals and Refining
Processes - Volume 2
Hybrid Energy Systems
Gas Cycling***

***Modern Petrochemical
Technology A text that
explores the essence of***

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*petrochemicals and
petrochemical technology
Modern Petrochemical
Technology: Methods,
Manufacturing and
Applications is a
comprehensive resource*

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that provides an overview of the uses for common petrochemical building blocks, a review of the marketplaces, and offers a survey of the technology used to make the key

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petrochemical building blocks. The book contains both critical information the technologies used to produce petrochemicals, how the various petrochemicals are applied

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in industry, and provides illustrative examples and problems designed to reinforce the learning about the basic science, engineering, and use of petrochemicals. The book

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explores three separate petrochemical building block-olefin complexes, aromatic complexes and synthesis gas complexes—and examines the “interconnected” nature of

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these building blocks. The authors also include information on the olefins productions using steam cracking, paraffin dehydrogenation, and methanol to olefins

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technologies and describes various methods, commercial processes to produce aromatics such as benzene, toluene and xylene, and much more. This important book:

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Offers a guide to the critical information on petrochemical producing technologies Includes material on various petrochemicals from the industrial point-of-view

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Explores the separation processes, membrane technology, absorption technology, liquid-liquid extraction, and more
Contains material from a team of noted experts

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Provides a survey of examples of commercialization applications of petrochemicals Written for chemical engineers, chemists in industry,

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membrane scientists, and process engineers, Modern Petrochemical Technology provides an overview of markets and uses for common petrochemical building blocks as well as

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includes a survey of the technology used to make the key petrochemical building blocks.

A pressing challenge in the modern health care system is the gap between

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*education and clinical
practice. Emerging
technologies have the
potential to bridge this
gap by creating the kind
of team-based learning
environments and clinical*

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approaches that are increasingly necessary in the modern health care system both in the United States and around the world. To explore these technologies and their

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*potential for improving
education and practice,
the National Academies of
Sciences, Engineering, and
Medicine hosted a workshop
in November 2017.*

Participants explored

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*effective use of
technologies as tools for
bridging identified gaps
within and between health
professions education and
practice in order to
optimize learning,*

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performance and access in high-, middle-, and low-income areas while ensuring the well-being of the formal and informal health workforce. This publication summarizes the

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presentations and discussions from the workshop.

The chemical industry changes and becomes more and more integrated worldwide. This creates a

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*need for information
exchange that includes not
only the principles of
operation but also the
transfer of practical
knowledge. Integration and
Optimization of Unit*

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Operations provides up-to-date and practical information on chemical unit operations from the R&D stage to scale-up and demonstration to commercialization and

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optimization. A global collection of industry experts systematically discuss all innovation stages, complex processes with different unit operations, including

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solids processing and recycle flows, and the importance of integrated process validation. The book addresses the needs of engineers who want to increase their skill

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*levels in various
disciplines so that they
are able to develop,
commercialize and optimize
processes. After reading
this book, you will be
able to acquire new skills*

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*and knowledge to
collaborate across
disciplines and develop
creative solutions. Shows
the impacts of upstream
process decisions on
downstream operations*

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Provides troubleshooting strategies at each process stage Asks challenging questions to develop creative solutions to process problems
Now in its new and fully

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*updated third edition, The
New Global Politics of the
Asia Pacific continues to
provide a compelling
analysis of a region
undergoing dramatic
changes. Based on new*

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*research and offering
fresh interpretation, this
edition evaluates the
prospects for continuing
US dominance in the 'Asian
Century'. Whilst
presenting evidence for a*

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multifaceted 'Beijing Strategy', which aims to counter the US by building an alternative regional order, it also explains Japan's definitive departure from its limited

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*military role. Providing
an introductory guide for
the main frameworks needed
to understand the region,
including realism,
liberalism and critical
theory, this new edition*

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is reader-friendly, and offers sophisticated competing explanations. Key content includes: Intra-regional conflicts in the South China Sea and the Korean peninsula, The

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*different responses within
the Asia-Pacific to the
globalization of Western
ideas of democracy and
political economy, The
underappreciated success
of the Association of*

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Southeast Asian Nations in building a regional identity, The European Union's soft power in the region. A highly topical account, which offers an overview of the main

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*actors, institutions and
contemporary issues in the
Asia-Pacific, the book
will be essential reading
for undergraduate students
of Asian Studies,
International Politics,*

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*and anyone interested in
the region.*

*Global Supply Chains:
Evaluating Regions on an
EPIC Framework - Economy,
Politics, Infrastructure,
and Competence*

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*Evaluating Regions on an
EPIC Framework - Economy,
Politics, Infrastructure,
and Competence
Integration and
Optimization of Unit
Operations*

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Paying for Pollution
Review of Unit Operations
from R&D to Production:
Impacts of Upstream and
Downstream Process
Decisions
Pipe-cross Reactor

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Conflict and Cooperation in the Asian Century

Bioethanol Technologies explores the conceptual and methodological approaches for understanding bioethanol technologies and future perspectives. The book

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comprehensively covers the global scenario of ethanol production from both food and non-food crops and other sources. This book is a useful resource for those involved with biofuels in general and bioethanol in particular, including energy

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engineers, researchers, consultants, analysts, policy makers, and professionals in the industry supply chain. This book:

- Reviews the most significant research findings in both ethanol production and utilization;
- Presents technological

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interventions in ethanol production, from plant biomass to food crops; • Offers a foresight analysis on the perspectives of bioethanol as a global commodity; • Presents a complete overview of the main challenges that bioenergy will

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have to overcome in order to play a key role in future energy systems; • Presents necessary Occupational Health and Safety (OH

Contents: Gas cycling: the industrial stakes. Gas injection and production: an integrated

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approach. Acid gas reinjection engineering view point.

Technological developments in sour gas processing. Global loop concept. Injection of CO₂ into an aquifer for storage. Handil field: tertiary oil recovery by gas injection. Panel discussion: the

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future of the global approach to gas cycling. Natural gas for tomorrow.

The Global Innovation Index 2020 provides detailed metrics about the innovation performance of 131 countries and economies around the world. Its 80

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indicators explore a broad vision of innovation, including political environment, education, infrastructure and business sophistication. The 2020 edition sheds light on the state of innovation financing by investigating the evolution of

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financing mechanisms for entrepreneurs and other innovators, and by pointing to progress and remaining challenges - including in the context of the economic slowdown induced by the coronavirus disease (COVID-19)

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crisis.

Solvents are ubiquitous throughout the chemical industry and are found in many consumer products. As a result, interest in solvents and their environmental impact has been steadily increasing. However, in order to

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achieve maximum integration of new green solvents into the relevant chemical sectors, clarification of the social, economic, and environmental implications of solvent substitution are needed. This book explores the solvent life

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cycle, highlighting the challenges faced at various points, from production, through the supply-chain and downstream use to end-of-life treatment. It also discusses the potential benefits that a green chemistry and bio-based economy approach could bring.

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The current state-of-the-art of green solvents is evaluated along these lines, in addition to reviewing their applications with an appreciation of sustainability criteria. Providing a critical assessment on emerging solvents and featuring case studies and

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perspectives from different sectors, this is an important reference for academics and industrialists working with solvents, as well as policy-makers involved in bio-based initiatives.

Technical Update, June, 1979

Encyclopedia of Chemical

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Processing and Design

Magic and Warfare

Applications in Valuation and

Capital Structure

Modern Petrochemical

Technology

Emerging Markets Megatrends

How to Start a Phenolic resin

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production Business, How to start
a successful Phenolic resin
business, How to Start Phenolic
resin production Industry in India,
Industrial production of phenol
formaldehyde resin, Industrial
production of phenol resin

A proven framework for

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***measuring the supply chain
potential of geographic
regions Managing a complex
global supply chain requires a
strategic assessment of the
various factors that can affect
decisions on procurement,***

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***manufacturing, warehousing,
logistics, distribution, and
sales. Co-written by renowned
experts in global supply chain
management, this book
presents a systematic,
structured approach to***

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***evaluating ten global regions
with respect to their supply
chain activities. The maturity
level for each region is
assessed using the EPIC
framework--Economy, Politics,
Infrastructure, and***

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Competence. Managers of supply chains can use this framework and the exclusive data in this practical, timely resource to identify the strengths, weaknesses, opportunities, and threats of

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***the different global regions
and determine their supply
chain strategies accordingly.***

Global Supply Chains

analyzes ten regions: East

Asia South Asia Southeast

Asia Australia The Middle East

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***and North Africa (MENA) Sub-
Saharan Africa (SSA) Western
Europe Central and Eastern
Europe North and Central
America South America
"Vent Collection System,
Design and Safety to Viscosity-***

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Gravity-Contrast, Estimation"
A Wall Street Journal bestseller
and a USA Today Best Book of
2020 Named Energy Writer of
the Year for The New Map by
the American Energy Society
"A master class on how the

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world works.” —NPR Pulitzer Prize-winning author and global energy expert, Daniel Yergin offers a revelatory new account of how energy revolutions, climate battles, and geopolitics are mapping

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our future The world is being shaken by the collision of energy, climate change, and the clashing power of nations in a time of global crisis. Out of this tumult is emerging a new map of energy and

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geopolitics. The “shale revolution” in oil and gas has transformed the American economy, ending the “era of shortage” but introducing a turbulent new era. Almost overnight, the United States

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***has become the world's
number one energy
powerhouse. Yet concern
about energy's role in climate
change is challenging the
global economy and way of
life, accelerating a second***

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energy revolution in the search for a low-carbon future. All of this has been made starker and more urgent by the coronavirus pandemic and the economic dark age that it has wrought. World politics is

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being upended, as a new cold war develops between the United States and China, and the rivalry grows more dangerous with Russia, which is pivoting east toward Beijing. Vladimir Putin and China's Xi

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Jinping are converging both on energy and on challenging American leadership, as China projects its power and influence in all directions. The South China Sea, claimed by China and the world's most

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critical trade route, could become the arena where the United States and China directly collide. The map of the Middle East, which was laid down after World War I, is being challenged by jihadists,

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revolutionary Iran, ethnic and religious clashes, and restive populations. But the region has also been shocked by the two recent oil price collapses--and by the very question of oil's future in the

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rest of this century. A master storyteller and global energy expert, Daniel Yergin takes the reader on an utterly riveting and timely journey across the world's new map. He illuminates the great energy

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***and geopolitical questions in
an era of rising political
turbulence and points to the
profound challenges that lie
ahead.***

***Hybrid Energy Systems:
Strategy for Industrial***

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Decarbonization demonstrates how hybrid energy and processes can decarbonize energy industry needs for power and heating and cooling. It describes the role of hybrid energy and

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***processes in nine major
industry sectors and
discusses how hybrid energy
can offer sustainable solutions
in each. Introduces the basics
and examples of hybrid energy
systems Examines hybrid***

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***energy and processes in coal,
oil and gas, nuclear, building,
vehicle, manufacturing and
industrial processes,
computing and portable
electronic, district heating and
cooling, and water sectors***

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***Shows that hybrid processes
can improve efficiency and
that hybrid energy can
effectively insert renewable
fuels in the energy industry
Serves as a companion text to
the author's book Hybrid***

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Power: Generation, Storage, and Grids Written for advanced students, researchers, and industry professionals involved in energy-related processes and plants, this book offers latest

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***research and practical
strategies for application of
the innovative field of hybrid
energy.***

***Efficient Petrochemical
Processes
The Prize***

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***Catalysis for Clean Energy and
Environmental Sustainability
Catalytic Naphtha Reforming
Process
China's Advanced Weapons
Phenolic Resins Technology
Handbook (2nd Revised***

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Edition)

***Perspectives from Research,
Business and International
Policy***

In the face of a rapidly-changing
geopolitical landscape, contemporary
perspectives on security have

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drastically changed in reaction to new conflict factors that have arisen out of, and are related to, unpredictable patterns of climate change. Already, in both the short and long term future, it is increasingly likely that conflict will result from a multitude of such stress factors. Environmental stress, stress

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caused by climate change in particular, is only one of these factors. Nonetheless, in light of its diverse and multiplier impacts, it remains an important one. This report, intended for policy makers and business professionals, examines the economic aspects of the relatively under-

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explored concept of planetary security. Planetary security refers to the role of the environment in geopolitical risks and conflicts. The report evaluates the vulnerabilities and resilience of countries to environmentally induced conflict. It first discusses the concept of planetary security and the role of

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economics therein, and then builds a quantitative framework and monitor capturing the vulnerabilities and resilience of different countries. The monitor is innovative in its inclusion of a variety of security risks related to the transition to a low carbon economy: Conflict Vulnerability, Climate Change

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Vulnerability, Low Carbon Risk and Economic Resilience. These layers are combined to create a Consolidated Risk Layer and a Consolidated Resilience Layer, in order to provide insight into how resilience to the above vulnerabilities could be bolstered. The monitor and accompanying report,

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have been produced by The Hague Centre for Strategic Studies (HCSS) and Clingendael Institute as a key input to the Planetary Security Initiative conference, which took place in The Hague, the Netherlands on December 5 and 6, supported by the Dutch Ministry of Foreign Affairs.

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32nd European Symposium on
Computer Aided Process
Engineering ESCAPE-32 Elsevier
With technology and globalization
advancing at breakneck speed, the
world economy becomes more
complex by the day. Activists,
politicians, and media

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enablers—conservative and liberal, left and right, informed and just plain wrong—consistently seize this opportunity to present woefully simplistic explanations and hype the latest myths regarding issues affecting the economy. Their purpose is not to educate but to advocate and, in many

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cases involving the media, manufacture outrage to drive ratings higher. So, where can you find the truth about today's economy and how it affects you? Turn off the TV, put down the magazine, log off the Internet—and read this book. Spin-Free Economics places the current

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economic debates where they belong: in the middle of the road. With no political ax to grind, Nariman Behravesht takes a centrist approach to explain how today's economic issues affect individuals and businesses. Along the way, he debunks myths regarding the effects of

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immigration, unemployment, regulation, productivity, education, health care, and other headline issues. Spin-Free Economics answers today's most pressing questions, including Will more regulation prevent financial crises? Are outsourcing and foreign ownership good or bad for

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Americans? Should we fear or embrace Asia's emerging economic powers? Is aid or trade the solution to global poverty? The vast majority of economists, Behraves points out, are independent analysts who are in agreement on many of today's issues. Unfortunately, the subject has been

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taken over by opportunists, whose answers to the questions above invariably fall along partisan lines. Spin-Free Economics is a breath of fresh air for those seeking an alternative to the chatter of ideologues and cynics. Rejecting the manipulative approach of “sound-bite economics,” Nariman

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Behraves uses facts and insight tempered by clearheaded reason to present the most accurate assessment of the subject to date.

This monograph is a collection of articles on productivity and related topics submitted by speakers at an interdisciplinary November 2017

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conference sponsored by, among others, the CFA Institute Research Foundation, with additional articles solicited by the editors from noted experts on the field.

Reverse Stress Testing in Banking
Improving Health Professional
Education and Practice Through

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Technology

The Final Frontier

A New Approach

ESCAPE-32

Strategy for Industrial Decarbonization

Industrial Organic Chemicals

This book provides an
assessment of the

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megatrends that are reshaping the emerging markets landscape. With developing countries already accounting for 40% of world GDP, emerging markets consumption growth

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will be an increasingly important growth engine for the world economy over the next two decades. However, emerging markets in many parts of Asia, Africa, the Middle East

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and Latin America are still facing tremendous economic challenges such as poverty, inequality, weak governance and inadequate infrastructure. The developed nations are

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no longer insulated from the economic shockwaves impacting developing countries, as globalisation and economic integration have also amplified the transmission

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effects to the West
through immigration flows,
cross-border crime and the
proliferation of
international terrorism.

Emerging Markets

Megatrends is an essential

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read for government
policymakers, corporate
executives, international
investors and analysts
wishing to understand more
about the economic drivers
and long-term outlook for

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emerging markets.

Based on the author's
decades of years of

experience in oil
refining, Catalytic

Naphtha Reforming Process
conveys essential

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information on key concepts, operations, and practices of catalytic naphtha reforming technologies and associated oil refining processes. The book

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reviews collective technical and operational advancements with respect to efficient use of catalysts and catalytic reformers in oil refining and incorporates key

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advancements from recent developments in catalytic reforming technologies and processes. High octane reformate gasoline blendstock production via the use of high performing

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continuous catalyst regenerative processes is emphasized for regulated, environmentally friendly gasoline. The benefits of timely, effective process unit monitoring are

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covered in this book. Some of the principal objectives of this book include the need to emphasize more proactive approaches in the planning, operations and

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maintenance of catalytic reforming units and oil refineries. A number of recommendations are provided for enhancing the operations, reliability, and productivity of

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catalytic reformers and
oil refineries.

This book, cohesively
written by an expert
author with supreme
breadth and depth of
perspective on

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polyurethanes, provides a comprehensive overview of all aspects of the science and technology on one of the most commonly produced plastics. Covers the applications, manufacture,

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and markets for
polyurethanes, and
discusses analytical
methods, reaction
mechanisms, morphology,
and synthetic routes
Provides an up-to-date

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view of the current
markets and trend analysis
based on patent activity
and updates chapters to
include new research
Includes two new chapters
on PU recycling and PU

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hybrids, covering the opportunities and challenges in both
The Prize recounts the panoramic history of oil -- and the struggle for wealth power that has

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always surrounded oil.
This struggle has shaken
the world economy,
dictated the outcome of
wars, and transformed the
destiny of men and
nations. The Prize is as

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much a history of the
twentieth century as of
the oil industry itself.

The canvas of this history
is enormous -- from the
drilling of the first well
in Pennsylvania through

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two great world wars to the Iraqi invasion of Kuwait and Operation Desert Storm. The cast extends from wildcatters and rogues to oil tycoons, and from Winston Churchill

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and Ibn Saud to George
Bush and Saddam Hussein.
The definitive work on the
subject of oil and a major
contribution to
understanding our century,
The Prize is a book of

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extraordinary breadth,
riveting excitement -- and
great importance.

Global Innovation Index
2020

14th International
Symposium on Process

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Systems Engineering
SPIN-FREE ECONOMICS
The Epic Quest for Oil,
Money & Power
Climate Change as an
Economic Conflict Factor
Polyurethanes

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Sustainable Solvents

Asian Megatrends assesses the key drivers impacting Asia over the next two decades. The rise of China is transforming the Asia-Pacific, as China's economic and military might

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increasingly reverberates throughout the region. India and Indonesia are also rising Asian powers that are changing the shape of the Asian economic landscape. The rapid growth of emerging Asian consumer markets is

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*becoming an increasingly
important growth engine for
the world economy and for
global multinationals.*

*However, Asia faces
tremendous economic and
social challenges over the
long-term, including the*

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rapid growth of Asian megacities and severe environmental problems due to climate change, water crises and pollution. Geopolitical tensions have also been escalating in the Asia-Pacific due to

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territorial disputes in the South China Sea and the East China Sea, increasing the risk of a regional arms race and military confrontation. Asian Megatrends is an essential read for government officials and

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corporate executives wishing to understand the rapidly changing risk landscape in Asia.

This hearing on "China's Advanced Weapons" will examine a specific set of technologies that China's

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military is considering or pursuing. In framing the hearing topic as "advanced weapons," the hearing will focus on military technologies at or near the global technological frontier-weapons just now

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coming into development or not yet developed by any nation. As China has narrowed the technological gap with the United States over decades of investments in military modernization, it has become increasingly

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*important to consider
Beijing's efforts to develop
new and potentially
revolutionary weapons
systems. China has
reportedly conducted seven
tests of its hypersonic
glide vehicle since 2014. It*

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*has deployed not one but two
antiship ballistic missiles,
one of which has a stated
range that reaches past the
U.S. island of Guam. We hear
of longstanding efforts to
develop directed energy
weapons, and see evidence of*

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China testing a wide range of counterspace systems that could put vulnerable U.S. space assets at risk. China is making major advances in areas such as unmanned systems and artificial intelligence, aided by rapid

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commercial progress in these sectors. As the new Congress focuses on national security challenges, it is critical to consider China's efforts to develop and field advanced weapons and the implications for the United

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States. Panel I will examine China's programs for the development of hypersonic and maneuverable re-entry vehicles. Panel II will examine directed energy and electromagnetic weapons development by China.

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Finally, Panel III will examine developments in China's counterspace, unmanned, and artificial intelligence-enabled systems.

Phenolic resins, also known as phenol-formaldehyde

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resins, are synthetic polymers that are produced from the reaction of phenol or substituted phenol with formaldehyde at high temperatures. These are widely used in wood adhesives, molding

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compounds, and laminates. The resins are flame-retardant, demonstrate high heat resistance, high tensile strength, and low toxicity, and generate low smoke. In the report, the phenolic resins market is

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segmented on the basis of product type, application, and region. Phenolic Resin Market size estimated to reach at USD 19.13 billion in 2026. Alongside, the market is anticipated to grow at a CAGR of 5.4%

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during the forecast period. The global phenolic resins market has experienced a notable growth and it has been projected that the global market will see stable growth during the forecast period. The high

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mechanical strengths, low toxicity, heat resistance, low smoke and other several properties has made the phenolic resins to make their use in the applications such as in laminations, wood adhesives,

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molding compound, construction, automobile and others. Growing demand of these applications has increased the production of phenolic resins to meet the current market demand. Also, phenolic resins is used in

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flame retardant which is very crucial for automobiles and aircrafts. This book basically deals with general reaction of phenols with aldehydes, the resoles, curing stages of resoles, kinetics of a stage

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*reaction, chemistry of
curing reactions, kinetics
of the curing reaction, the
novolacs, decomposition
products of resites, acid
cured resites, composition
of technical resites,
mechanisms of rubber*

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*vulcanization with phenolic
resins, thermosetting alloy
adhesives, vinyl phenolic
structural adhesives,
nitrile phenolic structural
adhesives, phenolic resins
in contact adhesives,
chloroprene phenolic contact*

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*adhesives, nitrile phenolic
contact adhesives, phenolic
resins in pressure sensitive
adhesives, rubber
reinforcing resins,
resorcinol formaldehyde
latex systems, phenolic
resin chemistry, bio-based*

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*phenolic resins,
flexibilization of phenolic
resins, floral foam
(Phenolic Foam) with resin
manufacturing, lignin-based
phenol formaldehyde (LPF)
resins, phenol formaldehyde
resin, alkaline phenol*

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formaldehyde resin, furfuryl alcohol phenol urea formaldehyde resin, phenol formaldehyde resin (Shell Sand Resin), phenol formaldehyde resin (Cold Box Resin), effluent treatment plant, standards and

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legislation, marketing of thermoset resins, process flow sheet, sample plant layout and photographs of machinery with supplier's contact details. A total guide of phenolic resins and entrepreneurial success in

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*one of today's most
lucrative resin industry.
This book is one-stop guide
to one of the fastest
growing sectors, where
opportunities abound for
manufacturers, retailers,
and entrepreneurs. This is*

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*the only complete handbook
on Phenolic resins.
Science, Technology,
Markets, and Trends
Bioethanol Technologies
Why a Carbon Tax Is Good for
America*