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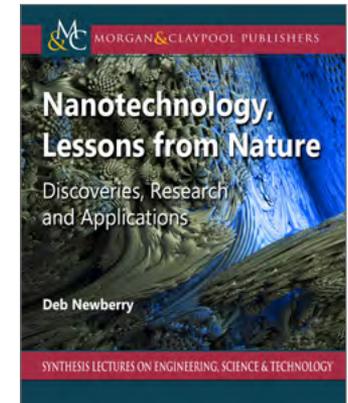
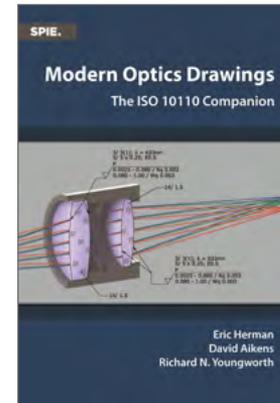
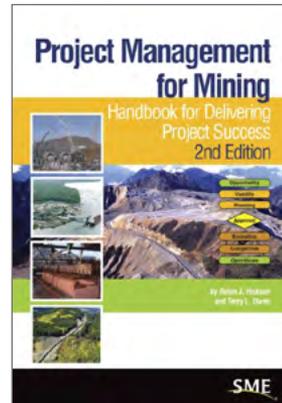
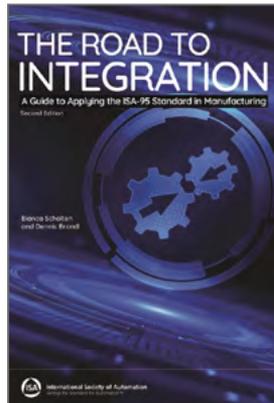
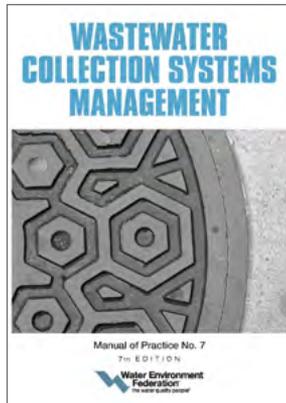
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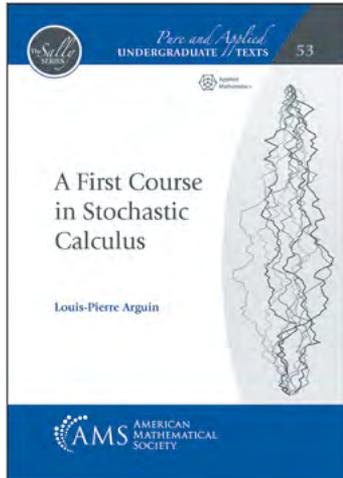
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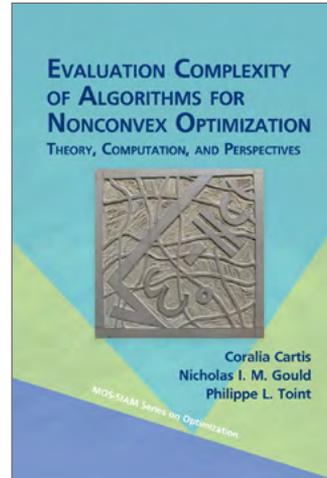
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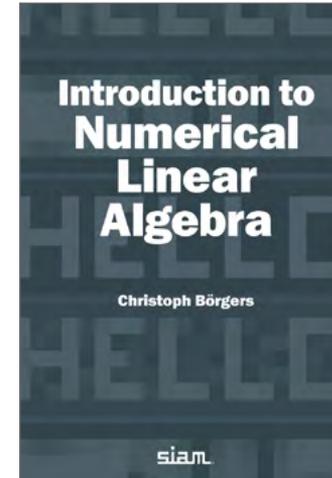
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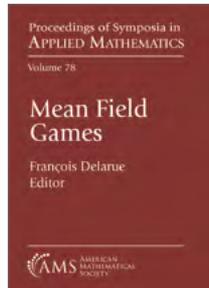
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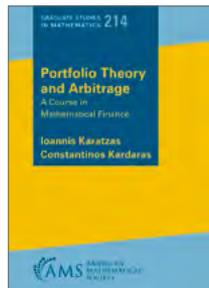
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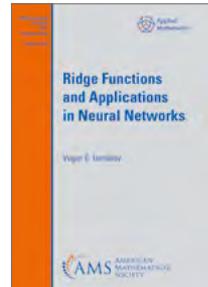
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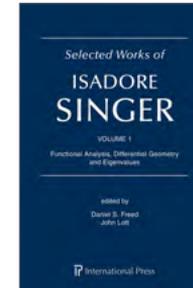
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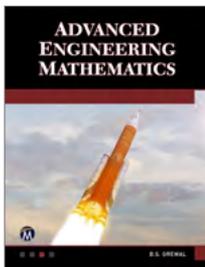
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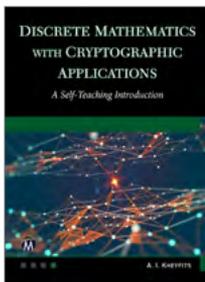
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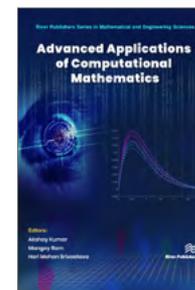
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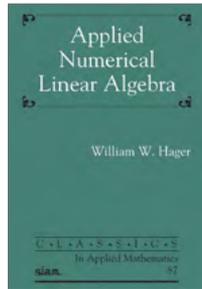
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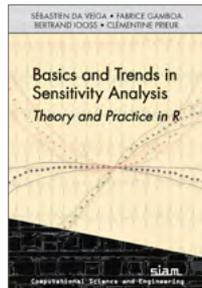
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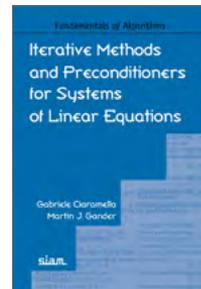
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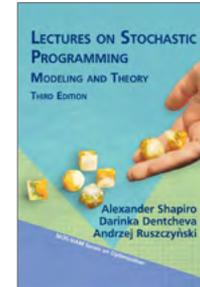
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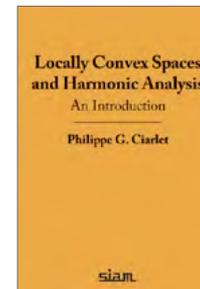
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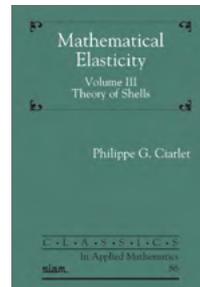
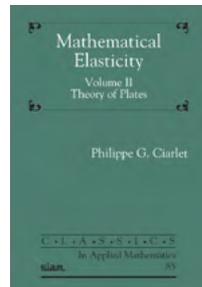
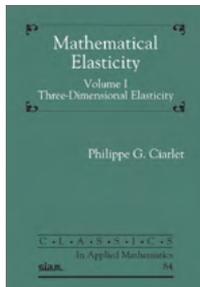
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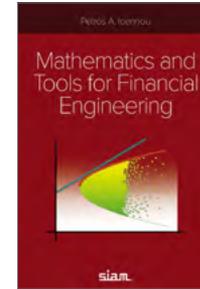
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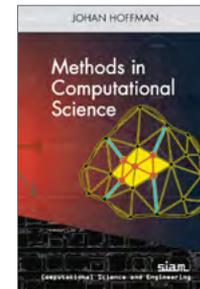
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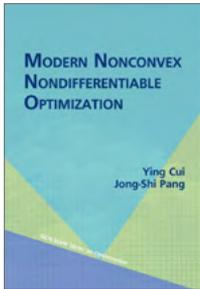
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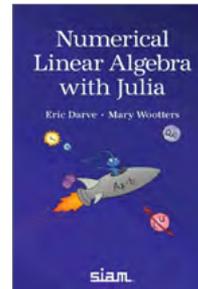
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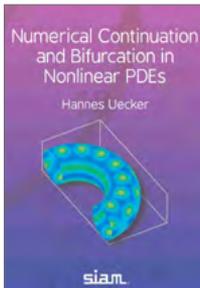
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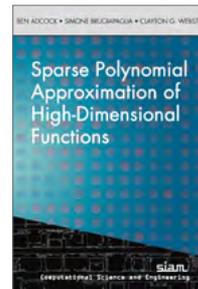
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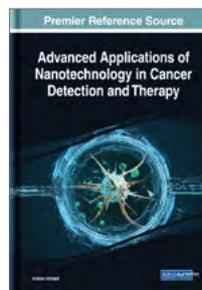
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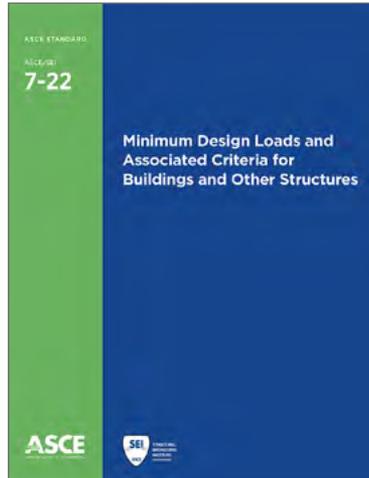
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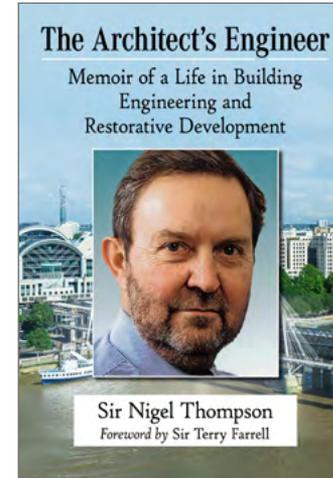
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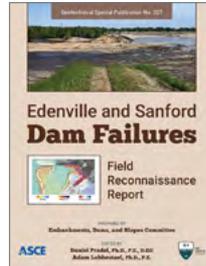
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DESIGN OF CLOSE-FIT LINERS FOR THE REHABILITATION OF GRAVITY PIPES

Edited by Norman E. “Ed” Kampbell & Jadranka Simicevic
Manuals of Practice (MOP), No. 145

Provides a comprehensive source of information on the design of flexible, close-fit linings for the renewal or rehabilitation of pipes designed for gravity flow such as sanitary sewers, culverts, and storm sewers.

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EDENVILLE AND SANFORD DAM FAILURES

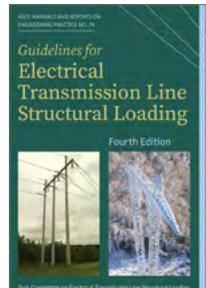
Field Reconnaissance Report

Edited by Daniel Pradel & Adam Lobbstael

Geotechnical Special Publication, Vol. 327

Following heavy rain over two days, the Edenville Dam experienced a slope instability on May 19, 2020 and failed catastrophically. This report presents the results of on-ground and aerial assessments that took place in the weeks following the failures.

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Fourth Edition

Edited by Frank Agnew
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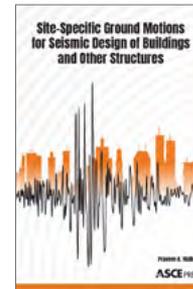
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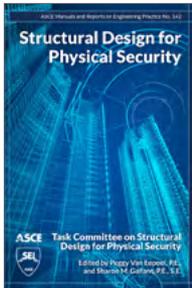
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STRUCTURAL DESIGN FOR PHYSICAL SECURITY

State of the Practice

Task Committee on Structural Design for Physical Security

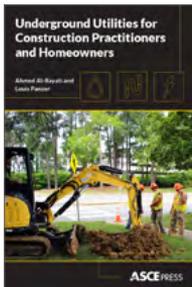
Edited by Peggy Van Eepoel & Sharon M. Gallant

Manuals of Practice (MOP), No. 142

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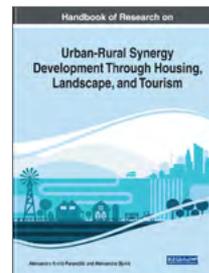
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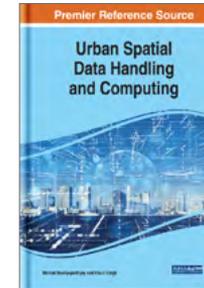
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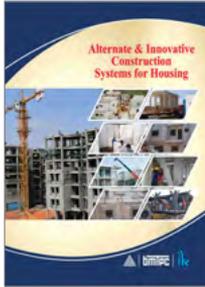
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R.B. Choudary

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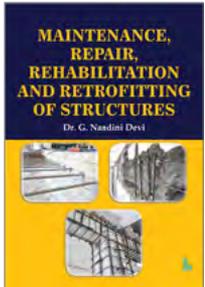
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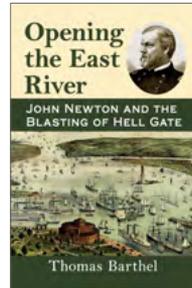
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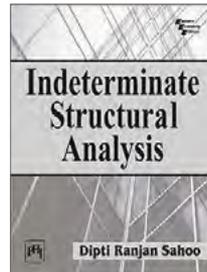
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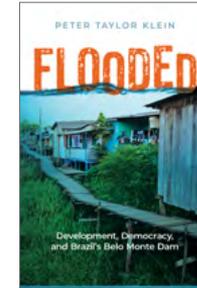
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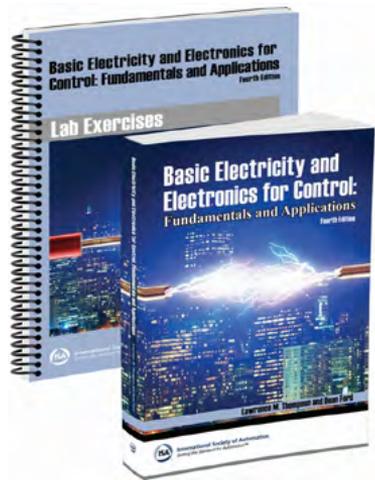
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ELECTRONICS & COMMUNICATIONS ENGINEERING

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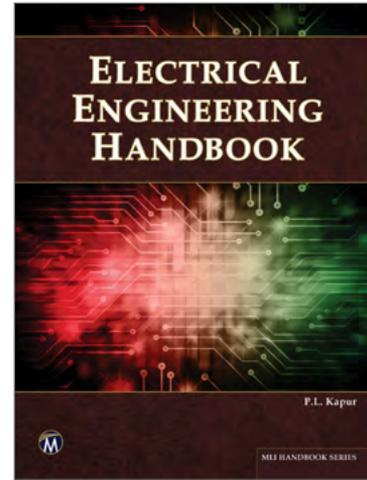
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A time- and course-tested book designed to familiarise readers with the concepts of electricity and electronics as they pertain to industrial measurement and control. This new fourth edition is accompanied by a lab workbook containing exercises that are designed to approximate "real-life" applications found in vocational, industrial, and occupational areas. Illustrations and exercises are utilized to better explain concepts and applications and to support the readers' understanding.

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5G AND 6G COMMUNICATION TECHNOLOGIES

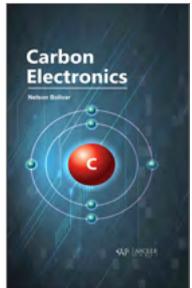
Edited by Zoran Gacovski

Covers different topics from 5G and 6G mobile technologies, including telecommunication, antenna and bandwidth aspects of 5G, business solutions enabled by 5G technology,

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Nelson Bolivar

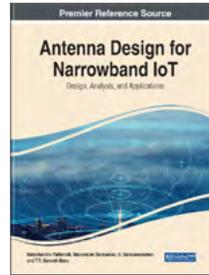
Offers a comprehensive overview of the latest advances in the area of carbon based electronic and circuit applications. The book essentially encompasses physical, chemical and electrical characteristics of carbon based materials.

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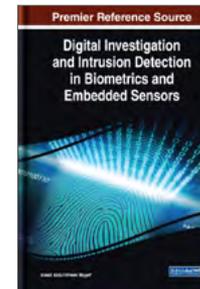
Edited by Lalit Kane, Bhupesh Kumar Dewangan & Tanupriya Choudhury

Highlights the state-of-the-art practices of HGR research and discusses key areas such as challenges, opportunities, and

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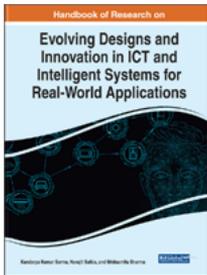
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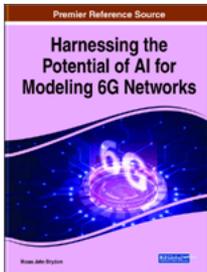


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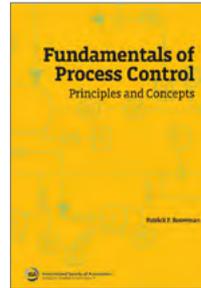
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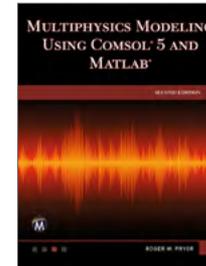
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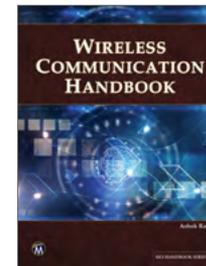
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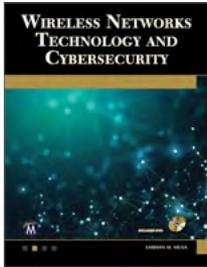
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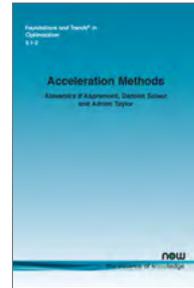
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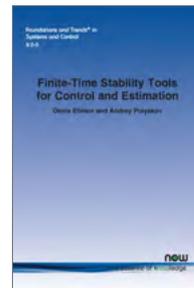
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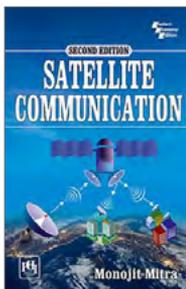
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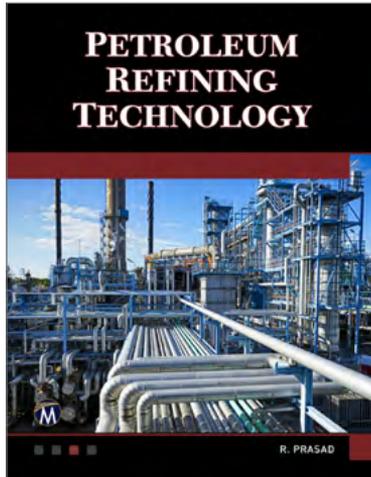
that could be reaped from adopting 5G, the costs and challenges associated with 5G, and policy considerations for developing countries to most effectively deploy and utilize the 5G network.

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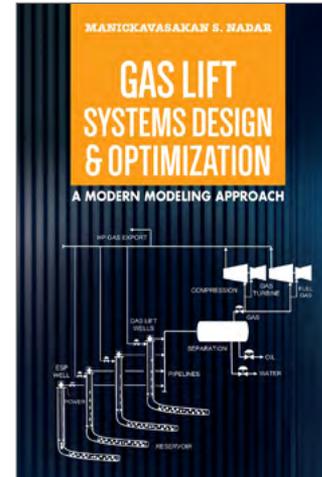
Mercury Learning and Information

**PETROLEUM REFINING TECHNOLOGY***R. Prasad*

Provides an overview of the methods used in petroleum refining. Selected topics include exploration, production and refining, crude oils, quality control, petroleum products, thermal conversion, manufacture of bitumens, pollution control in refineries, and more.

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PennWell Books

**GAS LIFT SYSTEMS DESIGN & OPTIMIZATION****A Modern Modeling Approach***Manickavasakan S. Nadar*

Explains how to optimize gas lifted fields using various modeling tools and communications technologies. This book presents a holistic design that assures a comprehensive system methodology. To help achieve the goals of production optimization, this text examines certain vital concepts such as - fluid properties and inflow capacities, gas lift design options, gas lift supply and production gathering facilities as well as operation of processing equipment. Furthermore, various field management strategies are demonstrated in this solid approach, which will enable engineers to apply and achieve many key performance indicators in field operations.

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Arcler Press

 eBook available**POLLUTION CONTROL FOR OIL AND GAS ENGINEERING**

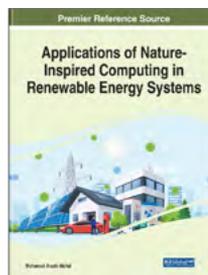
Vierah Hulley

A handbook on pollution control in the oil and gas industry that encompasses hundreds of multidisciplinary topics. Multi-media contamination technologies, and a detailed explanation of three different kinds of pollution - air, soil and water - is provided.

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IGI Global

 eBooks are available**APPLICATIONS OF NATURE-INSPIRED COMPUTING IN RENEWABLE ENERGY SYSTEMS**

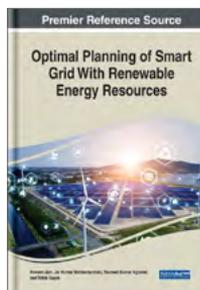
Edited by Mohamed Arezki Mellal

Discusses the latest research on nature-inspired computing approaches applied to the design

and development of renewable energy systems and provides new solutions to the renewable energy domain.

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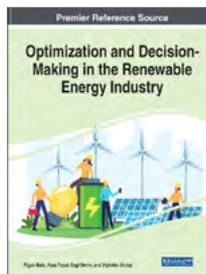
Edited by Naveen Jain et al

Offers a detailed guide to the new problems and opportunities for sustainable growth in engineering by focusing on modeling diverse problems occurring in science and engineering as well as novel effective theoretical methods and robust optimization theories, which can be used to analyse and solve multiple types of problems.

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Edited by Figen Balo et al

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Jan 2022, 2,002pp, 4 volumes

9781799891529 Hardback £1,450.00 / €1,699.00

International Atomic Energy Agency

APPLICATION OF A GRADED APPROACH IN REGULATING NUCLEAR INSTALLATIONS

IAEA

IAEA TECDOC Series, No. 1980

Addresses the basics of the application of a graded approach in the regulatory oversight of nuclear installations, describes the approaches currently implemented by several regulatory bodies around the world and, based on these examples, proposes a generic methodology for application of a graded approach to regulation of nuclear installations.

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APPLICATION OF A GRADED APPROACH IN REGULATING THE SAFETY OF RADIATION SOURCES

IAEA

IAEA TECDOC Series, No. 1974

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sources. Examples of applying this approach in some Member States are included.

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BENEFITS AND CHALLENGES OF SMALL MODULAR FAST REACTORS

Proceedings of a Technical Meeting

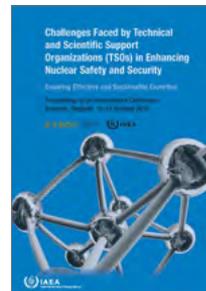
IAEA

IAEA TECDOC Series, No. 1972

Presents a detailed overview of the different concepts of fast small and medium sized or modular

reactors (SMRs) and highlights the technological, economic and safety potential of these reactors and the associated innovative systems.

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CHALLENGES FACED BY TECHNICAL AND SCIENTIFIC SUPPORT ORGANIZATIONS (TSOs) IN ENHANCING NUCLEAR SAFETY AND SECURITY

Ensuring Effective and Sustainable Expertise

IAEA

Proceedings Series

Presents the proceedings of an international conference which focused on evaluating actions that were undertaken to address recommendations from three previous technical and scientific support organizations (TSO) conferences and on the achievements of the TSO Forum.

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9789201210210 Paperback £48.50 / €56.00



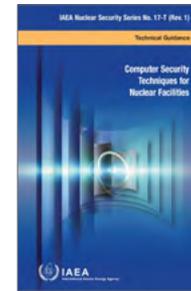
COMPACT ACCELERATOR BASED NEUTRON SOURCES

IAEA

IAEA TECDOC Series, No. 1981

Provides an overview of the various types of 'compact accelerator based neutron source' technologies that are currently available or planned in the near future. The publication illustrates many of the analytical and other applications of neutrons.

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COMPUTER SECURITY TECHNIQUES FOR NUCLEAR FACILITIES

IAEA

IAEA Nuclear Security Series, No. 17-T (Rev. 1)

Provides guidance on how to establish or improve, develop, implement, maintain, and sustain computer security within nuclear

facilities. The publication addresses the use of risk informed approaches to establish and enhance computer security policies, and describes the integration of computer security into the management system of a facility.

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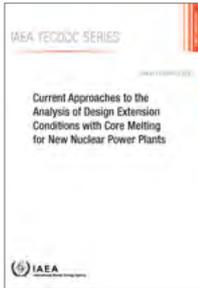
CONSIDERATIONS OF SAFETY AND UTILIZATION OF SUBCRITICAL ASSEMBLIES

IAEA

IAEA TECDOC Series, No. 1976

Developed in view of the growing interest from Member States in subcritical assemblies (SCAs). The publication supplements the IAEA safety standards by providing practical information on safety in the design and operation of SCAs. It also provides information on and examples of utilizing SCAs for various types of research and training experiments.

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CURRENT APPROACHES TO THE ANALYSIS OF DESIGN EXTENSION CONDITIONS WITH CORE MELTING FOR NEW NUCLEAR POWER PLANTS

IAEA

IAEA TECDOC Series, No. 1982

Focuses on collecting current practices in Member States related to design extension conditions with core melting. The information provided is based on the feedback from technical experts from Canada, France, Finland, India, the Islamic Republic of Iran, the Russian Federation, and the USA.

Dec 2021 168pp

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DATA ANALYSIS AND COLLECTION FOR COSTING OF RESEARCH REACTOR DECOMMISSIONING

Final Report of the DACCORD Collaborative Project

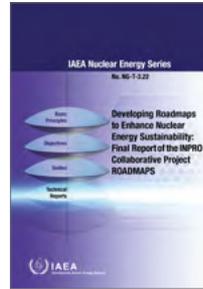
IAEA

IAEA Nuclear Energy Series, NW-T-2.12

Reports on the DACCORD project, which supports Member States in preparing preliminary cost estimates for the decommissioning of research reactors. The report is of particular benefit to programmes with limited decommissioning experience.

Nov 2021 127pp, 71 figures

9789201086211 Paperback £44.95 / €52.00



DEVELOPING ROADMAPS TO ENHANCE NUCLEAR ENERGY SUSTAINABILITY

Final Report of the INPRO Collaborative Project ROADMAPS

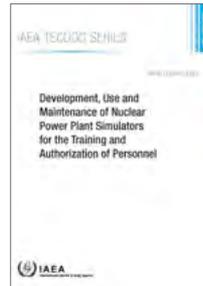
IAEA

IAEA Nuclear Energy Series, NG-T-3.22

Presents the outputs of the INPRO collaborative project ROADMAPS. The publication introduces the concept of roadmapping for enhanced nuclear energy sustainability, which has been developed over the course of several collaborative projects within INPRO.

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DEVELOPMENT, USE AND MAINTENANCE OF NUCLEAR POWER PLANT SIMULATORS FOR THE TRAINING AND AUTHORIZATION OF PERSONNEL

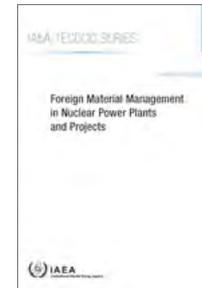
IAEA

IAEA TECDOC Series, No. 1963

Provides Member States with comprehensive guidance on nuclear power plant operator training and describes the use of simulators in training and qualification programmes for the personnel.

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FOREIGN MATERIAL MANAGEMENT IN NUCLEAR POWER PLANTS AND PROJECTS

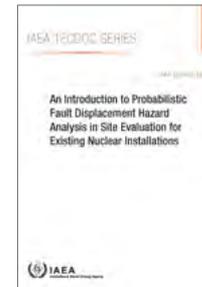
IAEA

IAEA TECDOC Series, No. 1970

Addresses relevant aspects of foreign material management for nuclear power plants, including the roles of all stakeholders at various stages during the lifetime of a nuclear power plant.

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AN INTRODUCTION TO PROBABILISTIC FAULT DISPLACEMENT HAZARD ANALYSIS IN SITE EVALUATION FOR EXISTING NUCLEAR INSTALLATIONS

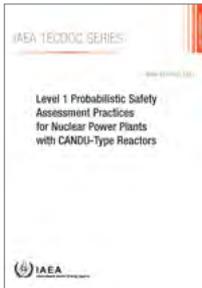
IAEA

IAEA TECDOC Series, No. 1987

Probabilistic fault displacement hazard analysis (PFDHA) is a relatively new methodology, and actual examples of applications are quite limited. This publication provides an introduction to probabilistic approaches to fault displacement hazard assessment with reference to relevant IAEA safety standards.

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LEVEL 1 PROBABILISTIC SAFETY ASSESSMENT PRACTICES FOR NUCLEAR POWER PLANTS WITH CANDU-TYPE REACTORS

IAEA

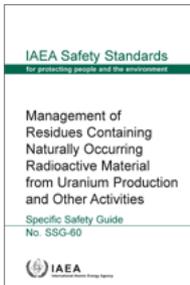
IAEA TECDOC Series, No. 1977

Provides a comprehensive summary of experiences and results collected

at a series of technical meetings of Member States currently operating CANDU-type nuclear power plants. Special emphasis is placed on supporting future harmonization in the regulatory framework, level 1 PSA methodologies and tools and level 1 PSA scope.

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MANAGEMENT OF RESIDUES CONTAINING NATURALLY OCCURRING RADIOACTIVE MATERIAL FROM URANIUM PRODUCTION AND OTHER ACTIVITIES

IAEA

IAEA Safety Standards Series, No. SSG-60

Provides recommendations on the establishment of an appropriate regulatory framework for the management of naturally occurring radioactive material (NORM) residues in an integrated manner and using a graded approach.

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MANAGING THE DECOMMISSIONING AND REMEDIATION OF DAMAGED NUCLEAR FACILITIES

Final Report of the Collaborative Project DAROD

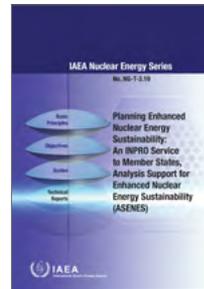
IAEA

IAEA TECDOC Series, No. 1989

Summarizes the outcomes of the DAROD Project. This publication is intended for regulatory bodies, operating organisations, technical support organisations and governmental officials who are involved in the decommissioning and remediation of nuclear facilities damaged after an accident or owing to a legacy deterioration.

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PLANNING ENHANCED NUCLEAR ENERGY SUSTAINABILITY

An INPRO Service to Member States Analysis Support for Enhanced Nuclear Energy Sustainability (ASENES)

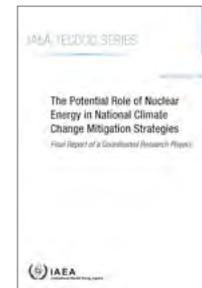
IAEA

IAEA Nuclear Energy Series, No. NG-T-3.19

Describes the purpose and scope of the INPRO service Analysis Support for Enhanced Nuclear Energy Sustainability (ASENES) and its potential benefits to Member States.

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THE POTENTIAL ROLE OF NUCLEAR ENERGY IN NATIONAL CLIMATE CHANGE MITIGATION STRATEGIES

Final Report of a Coordinated Research Project

IAEA

IAEA-TECDOC Series, No. 1984

Following adoption of the Paris Agreement, the IAEA initiated a coordinated research project (CRP) to support Member States assess the potential role of nuclear energy in their national climate and energy strategies. This publication presents the findings of the CRP, which brought together research teams from twelve countries.

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PROTECTION AGAINST INTERNAL HAZARDS IN THE DESIGN OF NUCLEAR POWER PLANTS

IAEA

IAEA Safety Standards Series, No. SSG-64

Provides recommendations to regulatory bodies, nuclear power plant designers and licensees on hazard assessment (including for combinations of hazards) and design concepts for protection against internal hazards in nuclear power plants, in order to meet the requirements established in IAEA Safety Standards Series No. SSR 2/1 (Rev. 1).

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RESEARCH REACTOR SPENT FUEL MANAGEMENT

Options and Support to Decision Making

IAEA

IAEA Nuclear Energy Series, No. NF-T-3.9

Provides information about available strategies for research reactor spent fuel management.

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SEISMIC DESIGN FOR NUCLEAR INSTALLATIONS

IAEA

IAEA Safety Standards Series, No. SSG-67

Provides recommendations on how to meet the applicable safety requirements in relation to the design aspects of new nuclear installations subjected to seismic hazard.

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SPENT FUEL PERFORMANCE ASSESSMENT AND RESEARCH

Final Report of a Coordinated Research Project (SPAR-IV)

IAEA

IAEA TECDOC Series, No. 1975

Provides an overview of the technical issues related to wet and dry storage of spent fuel and summarises the objectives and major findings of the research carried out within the framework of an IAEA coordinated research project.

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STRUCTURAL MATERIALS FOR HEAVY LIQUID METAL COOLED FAST REACTORS

Proceedings of a Technical Meeting

IAEA

IAEA TECDOC Series, No. 1978

To understand the current status of the research and development

as well as to provide a forum to exchange information on structural materials for HLM cooled reactors, the IAEA organised a technical meeting. This resulted in the current publication.

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TECHNICAL REVIEW OF ACCEPTANCE CRITERIA FOR PRESSURIZED HEAVY WATER REACTOR FUEL

IAEA

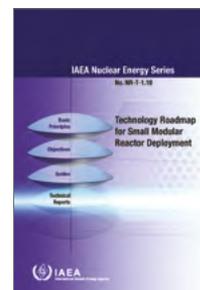
IAEA TECDOC Series, No. 1926

Presents a collection of current practices of fuel acceptance criteria used in States with operating pressurised heavy water reactors

and provides the technical justification available for such criteria conditions.

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TECHNOLOGY ROADMAP FOR SMALL MODULAR REACTOR DEPLOYMENT

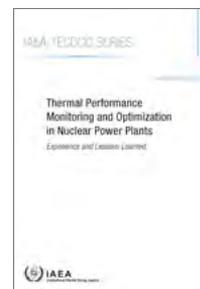
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IAEA Nuclear Energy Series, NR-T-1.18

Provides Member States with a set of generic roadmaps which can be used in the deployment of small modular reactors.

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THERMAL PERFORMANCE MONITORING AND OPTIMIZATION IN NUCLEAR POWER PLANTS

Experience and Lessons Learned

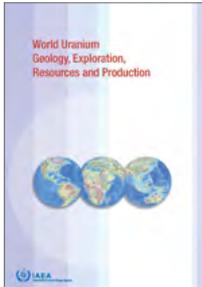
IAEA

IAEA TECDOC Series, No. 1971

Provides various methodologies for tracking and trending nuclear power plant (NPP) thermal performance.

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Summarises important information relating to uranium supply and demand and incorporates data from previous publications, as well as from the International Uranium

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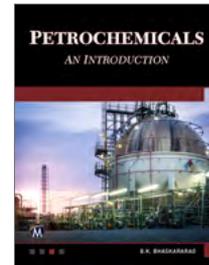
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IAEA Nuclear Energy Series, No. NF-T-1.8

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B.K. Bhaskararao

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Third Edition

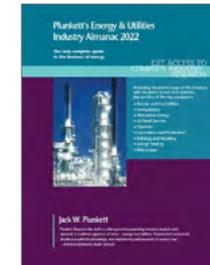
D.P. Kothari, K.C. Singal & Rakesh Ranjan

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Presents energy balances for over 220 countries and territories, showing production, trade, transformation and consumption (by sector) in energy units for all energy products.

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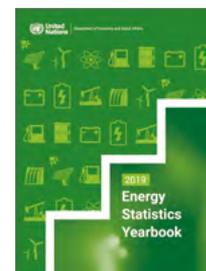
ENERGY STATISTICS POCKETBOOK 2022

United Nations Department for Economic and Social Affairs

A compilation on energy statistics designed to highlight the availability of data on various aspects of energy production, transformation and use and its linkages to other key statistics.

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TOWARDS SUSTAINABLE RENEWABLE ENERGY INVESTMENT AND DEPLOYMENT

Trade-offs and Opportunities with Water Resources and the Environment

United Nations Economic Commission for Europe

ECE Energy Series

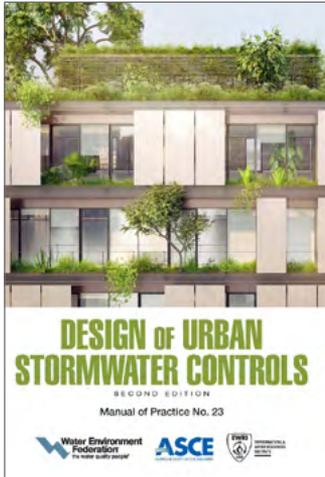
A toolkit for renewable energy policy-makers and investors that builds on the work already done by the United Nations Economic Commission for Europe (ECE) towards sustainably increasing renewable energy investments and improving cross-sectoral planning in decision-making processes.

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ENVIRONMENTAL SCIENCE, ENGINEERING & TECHNOLOGY

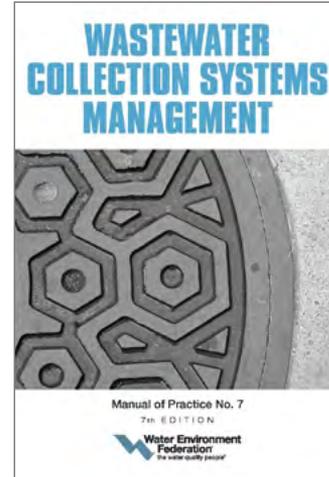
Water Environment Federation

**DESIGN OF URBAN STORMWATER CONTROLS****Second Edition***Water Environment Federation**Manual of Practice, No. 23*

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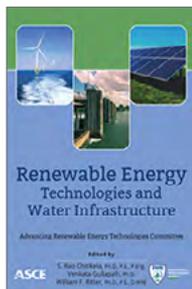
**WASTEWATER COLLECTION SYSTEMS MANAGEMENT****Seventh Edition***Water Environment Federation**Manual of Practice, No. 7*

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American Society of Civil Engineers



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Advancing Renewable Energy Technologies Committee

Edited by S. Rao Chitikela, Venkata Gullapalli & William F. Ritter

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and engineering with respect to the development and application of renewable energy technologies to the effective operation of water infrastructure.

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American Water Works Association

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Asian Development Bank



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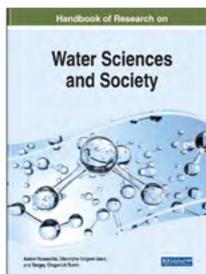
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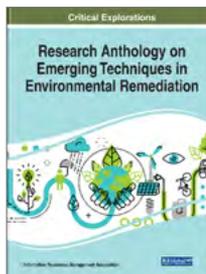
Edited by Ashok Vaseashta, Gheorghe Duca & Sergey Olegovich Travin

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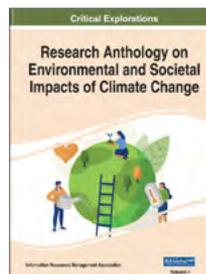
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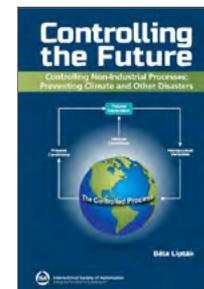
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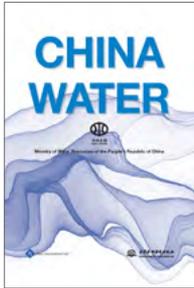
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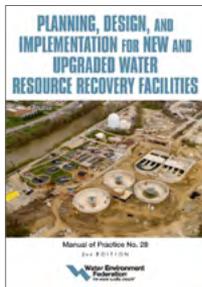
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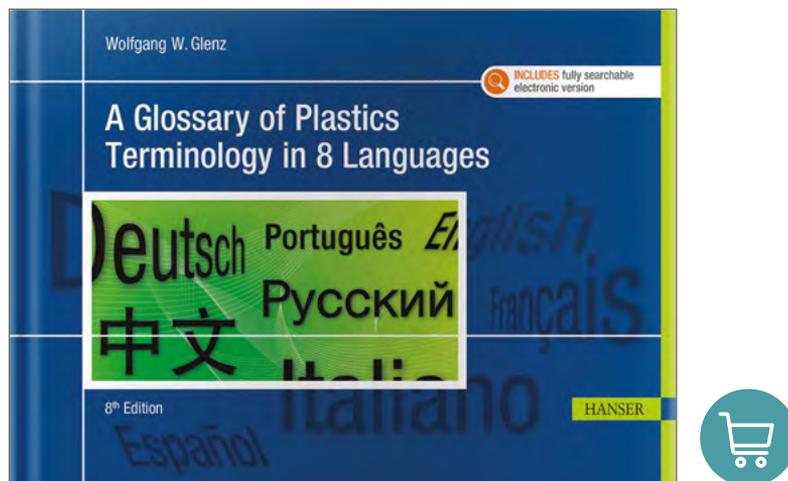
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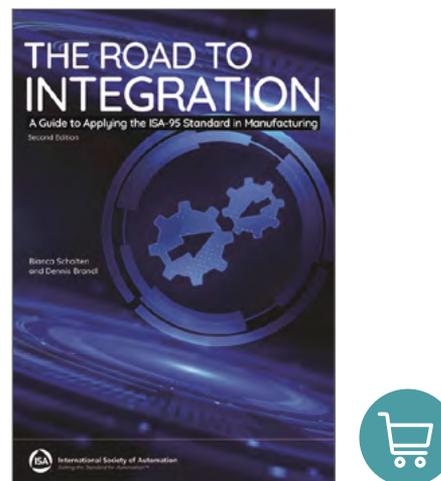
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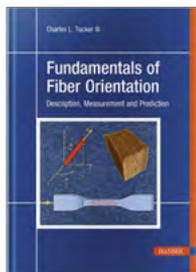
ISA

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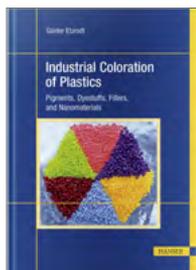
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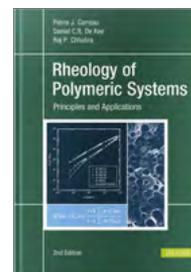
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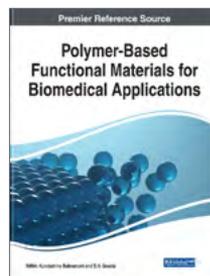
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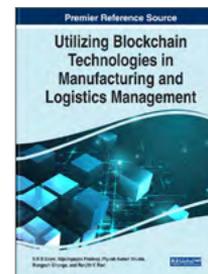


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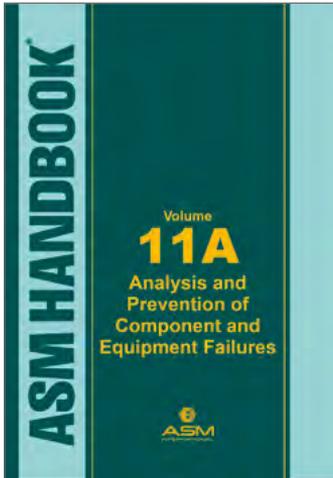
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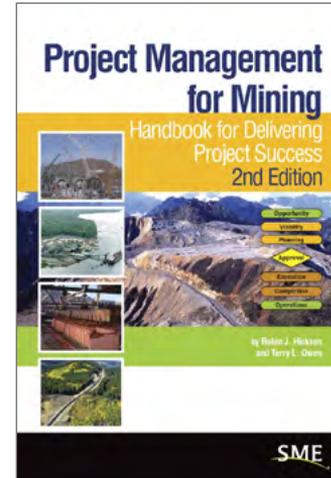
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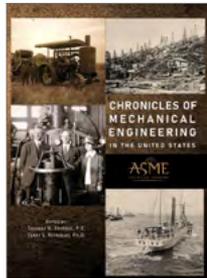
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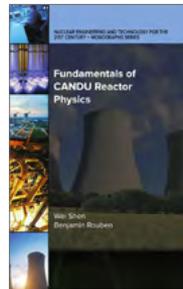
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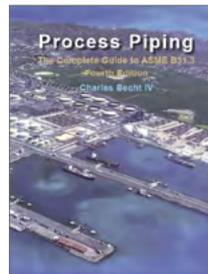
Wei Shen & Benjamin Rouben

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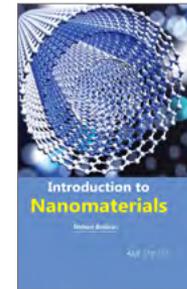
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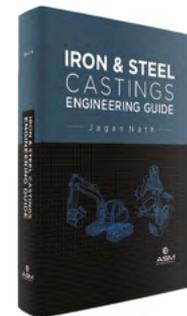
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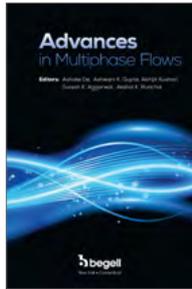
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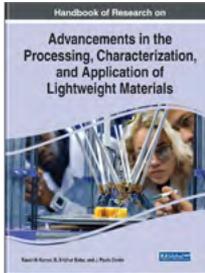
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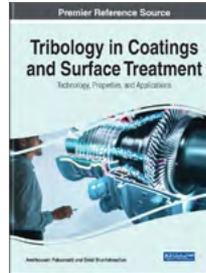
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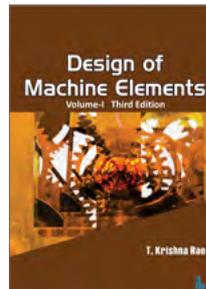
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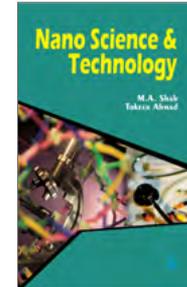
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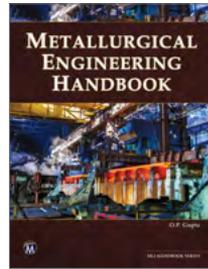
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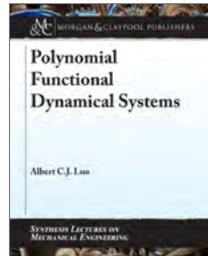
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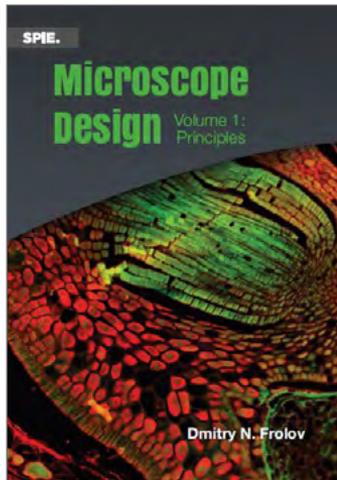
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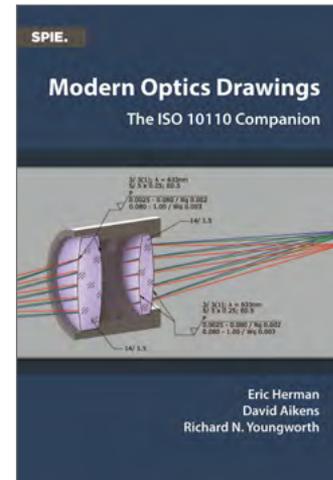
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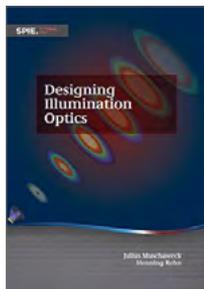
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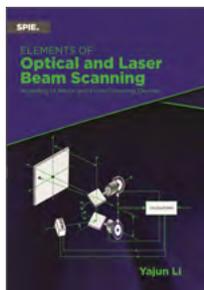


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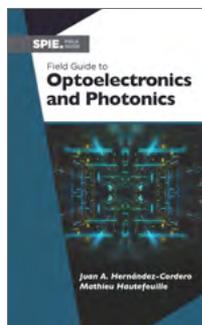
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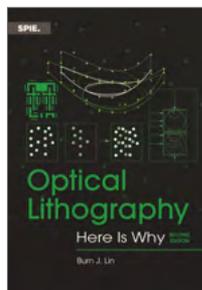
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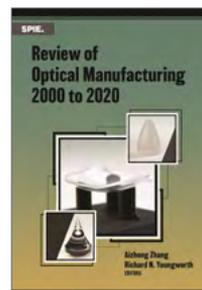
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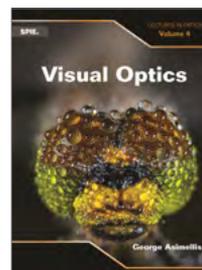
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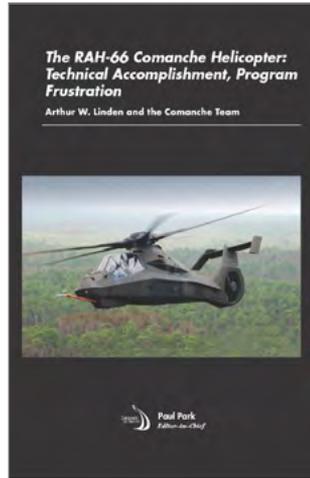
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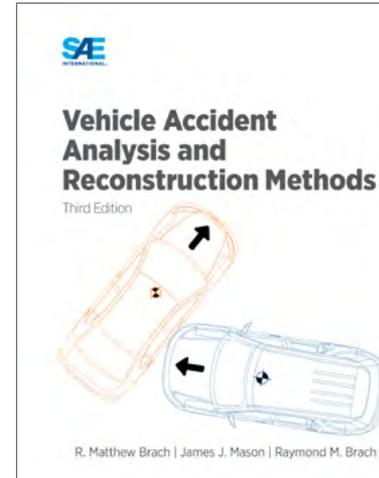
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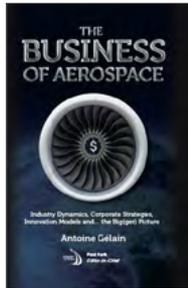
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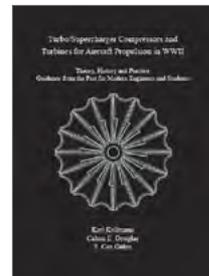
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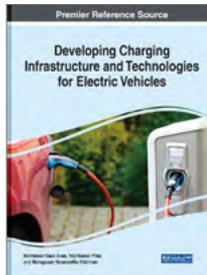
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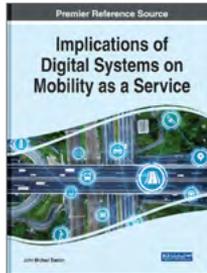
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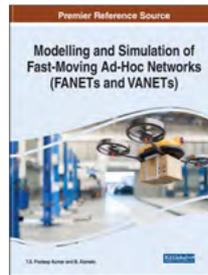
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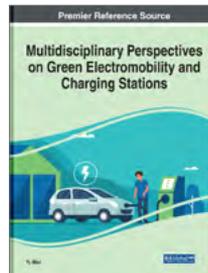
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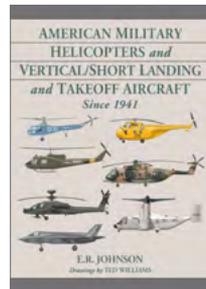
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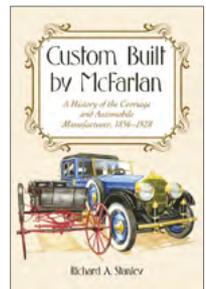
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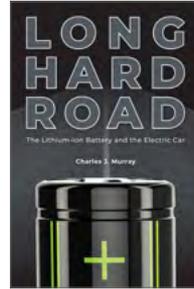
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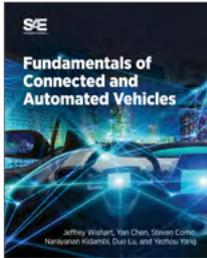
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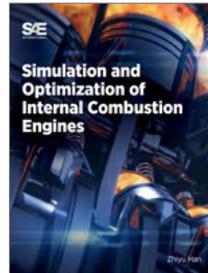
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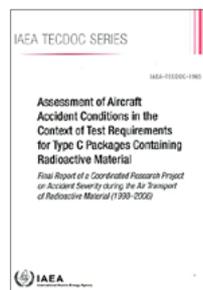
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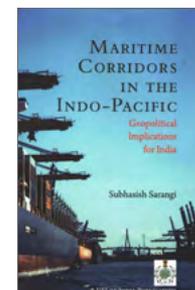
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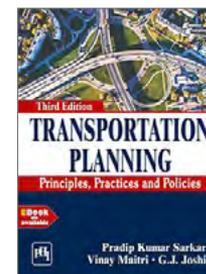
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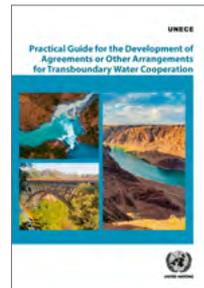
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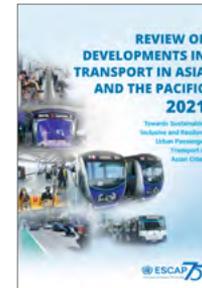


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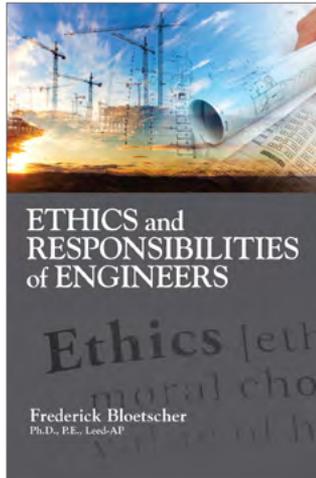
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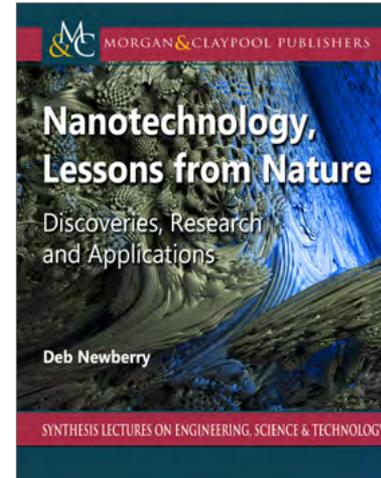
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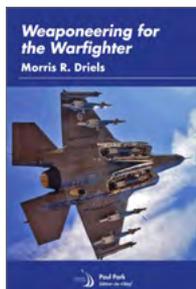
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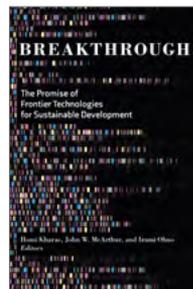
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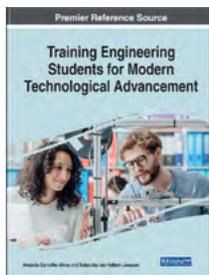
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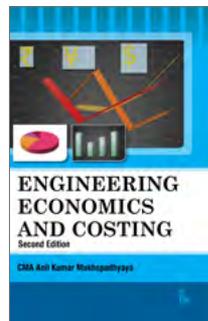
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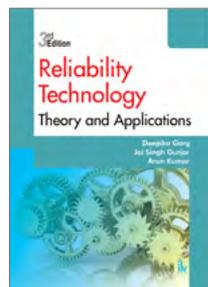
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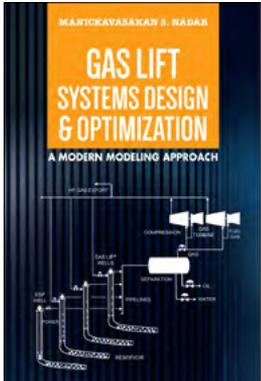
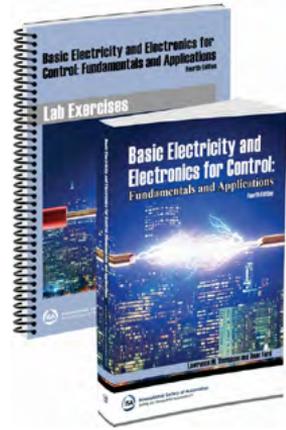
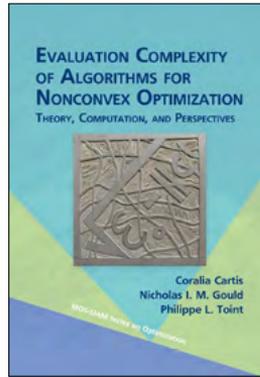
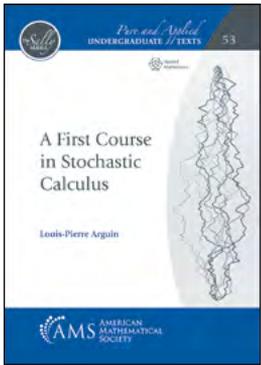
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