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BOOK 5 - Galeron Consulting 2000-08-10

Photovoltaic Module Technology - Harry Wirth 2020-11-23

How to get the best out of solar cells, when aiming for efficiency, power, reliability, and cost? After decades of R&D focus on the cell, recently the module has entered the stage and demonstrated huge innovation potential. Photovoltaic Module Technology provides unique insights into state-of-the-art materials, design strategies, manufacturing techniques, and characterization methods of wafer-based photovoltaic modules. Many properties of solar cells are highly relevant for module integration. They set the starting point for understanding the implications of different interconnection and encapsulation technologies. Module design and the choice of materials are described for both state-of-the-art and advanced module technology, with special attention attributed to the key processes of module assembly.

Libraries: A Design Manual - Nolan Lushington 2016-04-25

Libraries as a building type have been subjected to substantial changes in particular in the past ten years. Milestones such as Rem Koolhaas' Seattle Central Library from 2004 reinvented the typology completely and reflected a development from elitist temple of learning to a public living room. Hybrids between library and department store or theater were conceived. Today, the ubiquity of electronic devices and media

needs to be taken into account by the designer: every new library has areas without any books now. This work of reference explains systematically all technological and planning requirements of library design. Special features such as RFID, signage, acoustics or specific structural load issues are explained in texts by experts from the fields of architecture and library science. Finally, approximately 40 best-practice case studies of contemporary library design are documented extensively. They are organized in four categories - national libraries, large public libraries, small public libraries, university libraries - and comprise high-profile examples such as Jo Coenen's Openbare Bibliotheek Amsterdam, Alvaro Siza's Public Library Viana do Castelo in Portugal or Mecanoo's Library of Birmingham from 2013.

Humidity and Moisture: Fundamentals and standards. A. Wexler and W.A. Wildhack, editors - Arnold Wexler 1965

The Wall Street Journal - 1975

A Guide to the Measurement of Humidity - 1996

Special Topics in Structural Dynamics, Volume 6 - Randall Allemang 2013-06-26

Special Topics in Structural Dynamics, Volume 6: Proceedings of the 31st

IMAC, A Conference and Exposition on Structural Dynamics, 2013, the sixth volume of seven from the Conference, brings together contributions to this important area of research and engineering. The collection presents early findings and case studies on fundamental and applied aspects of Structural Dynamics, including papers on: Teaching Experimental & Analytical Structural Dynamics Sensors & Instrumentation Aircraft/Aerospace Bio-Dynamics Sports Equipment Dynamics Advanced ODS & Stress Estimation Shock & Vibration Full-Field Optical Measurements & Image Analysis Structural Health Monitoring Operational Modal Analysis Wind Turbine Dynamics Rotating Machinery Finite Element Methods Energy Harvesting

Dust Explosions - Wolfgang Bartknecht 2011-12-23

The author summarizes today's knowledge of the cause and consequences of dust explosions which were the main focus of his professional life. The presence of explosible dust/air mixtures does not generally represent a risk of an explosion although all organic and metallic dusts are explosible. The author develops test-methods for explosion hazards associated with dust and constructive methods to prevent dust explosions. The book is written for practical use. The reader learns to recognise the hazard of a dust explosion and the effectiveness of safety measures. The book is richly illustrated and demonstrates the correct use of the empirical theories.

The Practice of System and Network Administration - Thomas A. Limoncelli 2016-10-25

With 28 new chapters, the third edition of *The Practice of System and Network Administration* innovates yet again! Revised with thousands of updates and clarifications based on reader feedback, this new edition also incorporates DevOps strategies even for non-DevOps environments. Whether you use Linux, Unix, or Windows, this new edition describes the essential practices previously handed down only from mentor to protégé. This wonderfully lucid, often funny cornucopia of information introduces beginners to advanced frameworks valuable for their entire career, yet is structured to help even experts through difficult projects. Other books tell you what commands to type. This book teaches you the cross-

platform strategies that are timeless! DevOps techniques: Apply DevOps principles to enterprise IT infrastructure, even in environments without developers Game-changing strategies: New ways to deliver results faster with less stress Fleet management: A comprehensive guide to managing your fleet of desktops, laptops, servers and mobile devices Service management: How to design, launch, upgrade and migrate services Measurable improvement: Assess your operational effectiveness; a forty-page, pain-free assessment system you can start using today to raise the quality of all services Design guides: Best practices for networks, data centers, email, storage, monitoring, backups and more Management skills: Organization design, communication, negotiation, ethics, hiring and firing, and more Have you ever had any of these problems? Have you been surprised to discover your backup tapes are blank? Ever spent a year launching a new service only to be told the users hate it? Do you have more incoming support requests than you can handle? Do you spend more time fixing problems than building the next awesome thing? Have you suffered from a botched migration of thousands of users to a new service? Does your company rely on a computer that, if it died, can't be rebuilt? Is your network a fragile mess that breaks any time you try to improve it? Is there a periodic "hell month" that happens twice a year? Twelve times a year? Do you find out about problems when your users call you to complain? Does your corporate "Change Review Board" terrify you? Does each division of your company have their own broken way of doing things? Do you fear that automation will replace you, or break more than it fixes? Are you underpaid and overworked? No vague "management speak" or empty platitudes. This comprehensive guide provides real solutions that prevent these problems and more!

Nonlinear Structures & Systems, Volume 1 - Gaetan Kerschen 2020-09-12

Nonlinear Structures & Systems, Volume 1: Proceedings of the 38th IMAC, A Conference and Exposition on Structural Dynamics, 2020, the first volume of eight from the Conference brings together contributions to this important area of research and engineering. The collection presents early findings and case studies on fundamental and applied

aspects of Nonlinear Dynamics, including papers on: Nonlinear Reduced-order Modeling Jointed Structures: Identification, Mechanics, Dynamics Experimental Nonlinear Dynamics Nonlinear Model & Modal Interactions Nonlinear Damping Nonlinear Modeling & Simulation Nonlinearity & System Identification

Modeling Economic Growth in Contemporary Malaysia - Bruno S. Sergi 2021-02-12

This book considers crucial changes to Malaysian economic areas and social well-being. The chapters cover diverse industries such as IT, green technology, retailing, banking, tourism and hospitality, education, logistics, finance, banking, and many others.

The Internet of Things - Bronwyn Fox 2020-09-15

Lithium-Ion Batteries: Basics and Applications - Reiner Korthauer 2018-08-07

The handbook focuses on a complete outline of lithium-ion batteries. Just before starting with an exposition of the fundamentals of this system, the book gives a short explanation of the newest cell generation. The most important elements are described as negative / positive electrode materials, electrolytes, seals and separators. The battery disconnect unit and the battery management system are important parts of modern lithium-ion batteries. An economical, faultless and efficient battery production is a must today and is represented with one chapter in the handbook. Cross-cutting issues like electrical, chemical, functional safety are further topics. Last but not least standards and transportation themes are the final chapters of the handbook. The different topics of the handbook provide a good knowledge base not only for those working daily on electrochemical energy storage, but also to scientists, engineers and students concerned in modern battery systems.

Harmonic Balance for Nonlinear Vibration Problems - Malte Krack 2019-03-23

This monograph presents an introduction to Harmonic Balance for

nonlinear vibration problems, covering the theoretical basis, its application to mechanical systems, and its computational implementation. Harmonic Balance is an approximation method for the computation of periodic solutions of nonlinear ordinary and differential-algebraic equations. It outperforms numerical forward integration in terms of computational efficiency often by several orders of magnitude. The method is widely used in the analysis of nonlinear systems, including structures, fluids and electric circuits. The book includes solved exercises which illustrate the advantages of Harmonic Balance over alternative methods as well as its limitations. The target audience primarily comprises graduate and post-graduate students, but the book may also be beneficial for research experts and practitioners in industry.

Forest Products Journal - 1961

Beginning in 1952, an unnumbered Dec. issue is published consisting of the society's Proceedings and the annual index of the Journal.

Fatigue Damage - Christi Lalanne 2002-03-29

About the Series: This important new series of five volumes has been written with both the professional engineers and the academic in mind. Christian Lalanne explores every aspect of vibration and shock, two fundamental and crucially important areas of mechanical engineering, from both the theoretical and practical standpoints. As all products need to be designed to withstand the environmental conditions to which they are likely to be subjected, prototypes must be verified by calculation and laboratory tests, the latter according to specifications from national or international standards. The concept of tailoring the product to its environment has gradually developed whereby, from the very start of a design project, through the to the standards specifications and testing procedures on the prototype, the real environment in which the product being tested will be functioning is taken into account. The five volumes of Mechanical Shock and Vibration cover all the issues that need to be addressed in this area of mechanical engineering. The theoretical analyses are placed in the context of the real world and of laboratory tests - essential for the development of specifications. Volume IV: Fatigue Damage Fatigue damage in a system with one degree of freedom is one

of the two criteria applied when comparing the severity of vibratory environments. The same criterion is also employed for a specification representing the effects produced by the set of vibrations imposed in a real environment. In this volume, which is devoted to the calculation of fatigue damage, the author explores the hypotheses adopted to describe the behavior of material suffering fatigue and the laws of fatigue accumulation. He also considers the methods of counting the response peaks, which are used to establish the histogram when it is impossible to use the probability density of the peaks obtained with a Gaussian signal. The expressions for mean damage and its standard deviation are established and other hypotheses are tested.

The Digital Transformation of SMEs - Oecd 2021-02-12

Whirl Flutter of Turboprop Aircraft Structures - Jiri Cecrdle
2023-02-01

Whirl Flutter of Turboprop Aircraft Structures, Second Edition explores the whirl flutter phenomenon, including theoretical, practical, analytical and experimental aspects of the matter. Sections provide a general overview regarding aeroelasticity, discussions on the physical principle and the occurrence of whirl flutter in aerospace practice, and experimental research conducted, especially from the 60s. Other chapters delve into analytical methods such as basic and advanced linear models, non-linear and CFD based methods, certification issues including regulation requirements, a description of possible certification approaches, and several examples of aircraft certification from aerospace. Finally, a database of relevant books, reports and papers is provided. This updated and expanded second edition covers new chapters including both analytical and experimental aspects of the subject matter. Provides complex information on turboprop aircraft whirl flutter phenomenon Presents both theoretical and practical (certification related) issues Includes experimental research as well as analytical models (basic and advanced) of matter Includes both early-performed works and recent developments Contains a listing of relevant books and reports

Higher Education in Mexico Labour Market Relevance and Outcomes - OECD 2019-01-10

This report finds that the Mexican higher education system needs to be better aligned with the labour market to help students develop the skills employers seek. Students need better support to succeed in their higher education studies and develop labour market relevant skills, which will help facili

Silicon Heterojunction Solar Cells - W.R. Fahrner 2006-08-15

The world of today must face up to two contradictory energy problems: on the one hand, there is the sharply growing consumer demand in countries such as China and India. On the other hand, natural resources are dwindling. Moreover, many of those countries which still possess substantial gas and oil supplies are politically unstable. As a result, renewable natural energy sources have received great attention. Among these, solar-cell technology is one of the most promising candidates. However, there still remains the problem of the manufacturing costs of such cells. Many attempts have been made to reduce the production costs of [conventional] solar cells (manufactured from monocrystalline silicon using diffusion methods) by instead using cheaper grades of silicon, and simpler pn-junction fabrication. That is the [hero] of this book; the heterojunction solar cell.

Proceedings of the 4th International Conference on Industrial Engineering - Andrey A. Radionov 2019-02-04

This book highlights recent findings in industrial, manufacturing and mechanical engineering, and provides an overview of the state of the art in these fields, mainly in Russia and Eastern Europe. A broad range of topics and issues in modern engineering are discussed, including the dynamics of machines and working processes, friction, wear and lubrication in machines, surface transport and technological machines, manufacturing engineering of industrial facilities, materials engineering, metallurgy, control systems and their industrial applications, industrial mechatronics, automation and robotics. The book gathers selected papers presented at the 4th International Conference on Industrial Engineering (ICIE), held in Moscow, Russia in May 2018. The authors

are experts in various fields of engineering, and all papers have been carefully reviewed. Given its scope, the book will be of interest to a wide readership, including mechanical and production engineers, lecturers in engineering disciplines, and engineering graduates.

Modal Analysis Theory and Testing - Ward Heylen 1998

Eco-Efficient Concrete - Fernando Pacheco-Torgal 2013-02-04

Eco-efficient concrete is a comprehensive guide to the characteristics and environmental performance of key concrete types. Part one discusses the eco-efficiency and life cycle assessment of Portland cement concrete, before part two goes on to consider concrete with supplementary cementitious materials (SCMs). Concrete with non-reactive wastes is the focus of part three, including municipal solid waste incinerator (MSWI) concrete, and concrete with polymeric, construction and demolition wastes (CDW). An eco-efficient approach to concrete carbonation is also reviewed, followed by an investigation in part four of future alternative binders and the use of nano and biotech in concrete production. With its distinguished editors and international team of expert contributors, Eco-efficient concrete is a technical guide for all professionals, researchers and academics currently or potentially involved in the design, manufacture and use of eco-efficient concrete. The first part of the book examines the eco-efficiency and life cycle assessment of Portland cement concrete. Chapters in the second part of the book consider concrete with supplementary cementitious materials, including properties and performance. Reviews the eco-efficient approach to concrete carbonation.

Spectral Method in Multiaxial Random Fatigue - Adam Nieslony
2007-09-04

This monograph examines the theoretical foundations of the spectral method for fatigue life determination. The authors discuss a rule of description of random loading states with the matrix of power spectral density functions of the stress/strain tensor components. Some chosen criteria of multiaxial fatigue failure are analyzed. The formula proposed in this book enables readers to determine power spectral density of the

equivalent history directly from the components of the power spectral density matrix of the multidimensional stochastic process.

Advanced Emergency Care and Transportation of the Sick and Injured - American Academy of Orthopaedic Surgeons 2010-12-30

The foundation for EMS education was established in 1971 when the American Academy of Orthopaedic Surgeons (AAOS) authored the first emergency medical technician textbook. Since then, the AAOS has set the gold standard for EMS training programs with the Orange Book Series. This Second Edition, based on Intermediate Emergency Care and Transportation of the Sick and Injured, raises the bar even higher with world-class medical content and innovative instructional resources that meet the diverse needs of today's educators and students. Based on the new National EMS Education Standards for Advanced Emergency Medical Technician, the Second Edition offers complete coverage of every competency statement with clarity and precision in a concise format that ensures student comprehension and encourages critical thinking. New cognitive and didactic material is presented, along with new skills and features, to create an innovative AEMT training solution. Topics including advanced pathophysiology, acid-base balance, fluids and electrolytes, intravenous therapy, intraosseous access, blood glucose monitoring, and administration of AEMT-level medications tailor this textbook to the new Advanced EMT level. Additional online skills allow this textbook to be customized for every AEMT training program's unique needs. Current, State-of-the-Art Medical Content Advanced Emergency Care and Transportation of the Sick and Injured, Second Edition incorporates up-to-date, evidence-based medical concepts to ensure that students are taught assessment and treatment modalities that will help patients in the field today. Advanced Pathophysiology Advanced Emergency Care and Transportation of the Sick and Injured, Second Edition provides a solid foundation in pathophysiology--one of the key knowledge areas required to become a successful Advanced EMT. Patient Assessment This Second Edition teaches and reinforces the concept of Patient Assessment with a single, comprehensive chapter, ensuring that students understand patient

assessment as a single, integrated process--the way that providers actually practice it in the field. Each medical and trauma chapter reinforces the patient assessment process by highlighting the unique aspects of the illness or injury. Clear Application to Real-World EMSThrough evolving patient case studies in each chapter, the Second Edition offers students a genuine context for the application of the knowledge presented in the chapter. This approach makes it clear how all of the information will be used to help patients in the field.

Critical Infrastructure Security and Resilience - Dimitris Gritzalis
2019-01-01

This book presents the latest trends in attacks and protection methods of Critical Infrastructures. It describes original research models and applied solutions for protecting major emerging threats in Critical Infrastructures and their underlying networks. It presents a number of emerging endeavors, from newly adopted technical expertise in industrial security to efficient modeling and implementation of attacks and relevant security measures in industrial control systems; including advancements in hardware and services security, interdependency networks, risk analysis, and control systems security along with their underlying protocols. Novel attacks against Critical Infrastructures (CI) demand novel security solutions. Simply adding more of what is done already (e.g. more thorough risk assessments, more expensive Intrusion Prevention/Detection Systems, more efficient firewalls, etc.) is simply not enough against threats and attacks that seem to have evolved beyond modern analyses and protection methods. The knowledge presented here will help Critical Infrastructure authorities, security officers, Industrial Control Systems (ICS) personnel and relevant researchers to (i) get acquainted with advancements in the field, (ii) integrate security research into their industrial or research work, (iii) evolve current practices in modeling and analyzing Critical Infrastructures, and (iv) moderate potential crises and emergencies influencing or emerging from Critical Infrastructures.

Proceedings of International Conference of Aerospace and Mechanical Engineering 2019 - Parvathy Rajendran 2020-06-12

This book presents selected papers from the International Conference of Aerospace and Mechanical Engineering 2019 (AeroMech 2019), held at the Universiti Sains Malaysia's School of Aerospace Engineering. Sharing new innovations and discoveries concerning the Fourth Industrial Revolution (4IR), with a focus on 3D printing, big data analytics, Internet of Things, advanced human-machine interfaces, smart sensors and location detection technologies, it will appeal to mechanical and aerospace engineers.

Sandworm - Andy Greenberg 2020-10-20

"With the nuance of a reporter and the pace of a thriller writer, Andy Greenberg gives us a glimpse of the cyberwars of the future while at the same time placing his story in the long arc of Russian and Ukrainian history." —Anne Applebaum, bestselling author of *Twilight of Democracy* The true story of the most devastating act of cyberwarfare in history and the desperate hunt to identify and track the elite Russian agents behind it: "[A] chilling account of a Kremlin-led cyberattack, a new front in global conflict" (Financial Times). In 2014, the world witnessed the start of a mysterious series of cyberattacks. Targeting American utility companies, NATO, and electric grids in Eastern Europe, the strikes grew ever more brazen. They culminated in the summer of 2017, when the malware known as NotPetya was unleashed, penetrating, disrupting, and paralyzing some of the world's largest businesses—from drug manufacturers to software developers to shipping companies. At the attack's epicenter in Ukraine, ATMs froze. The railway and postal systems shut down. Hospitals went dark. NotPetya spread around the world, inflicting an unprecedented ten billion dollars in damage—the largest, most destructive cyberattack the world had ever seen. The hackers behind these attacks are quickly gaining a reputation as the most dangerous team of cyberwarriors in history: a group known as Sandworm. Working in the service of Russia's military intelligence agency, they represent a persistent, highly skilled force, one whose talents are matched by their willingness to launch broad, unrestrained attacks on the most critical infrastructure of their adversaries. They target government and private sector, military and civilians alike. A

chilling, globe-spanning detective story, Sandworm considers the danger this force poses to our national security and stability. As the Kremlin's role in foreign government manipulation comes into greater focus, Sandworm exposes the realities not just of Russia's global digital offensive, but of an era where warfare ceases to be waged on the battlefield. It reveals how the lines between digital and physical conflict, between wartime and peacetime, have begun to blur—with world-shaking implications.

Data Science in Engineering, Volume 9 - Ramin Madarshahian
2021-10-04

Data Science and Engineering Volume 9: Proceedings of the 39th IMAC, A Conference and Exposition on Structural Dynamics, 2021, the ninth volume of nine from the Conference, brings together contributions to this important area of research and engineering. The collection presents early findings and case studies on fundamental and applied aspects of Data Science in Engineering, including papers on: Data Science in Engineering Applications Engineering Mathematics Computational Methods in Engineering

Simplified ICSE Chemistry - Dr. Viraf J. Dalal

Bioremediation Technology for Plastic Waste - Mohd. Shahnawaz
2019-05-23

Plastic is one of the widely used polymers around the globe since its discovery. It is highly impossible to think the ease of life without the aid of plastic. Every year billion tons of plastic waste gets accumulated in the environment and leads to death of both marine and terrestrial animals. Plastic is very durable and needs around 1000 years to degrade under the natural environment. The present book illustrates the importance and significance of the bioremediation to tackle the problem of plastic waste. Previously, we have reported elite rhizobacterial isolates (*Lysinibacillus fusiformis* strain VASB14/WL and *Bacillus cereus* strain VASB1/TS) of *Avicennia marina* Vierh (Forsk.) from the West Coast of India with the potential to degrade plastic (polythene). The present book attempted to address the bioremediation scenario of plastic waste

(including micro plastic) using microbes with bacteria in particular. Various strategies used to tackle with the plastic waste were highlighted with case studies of plastic waste management, including in vitro, in situ and ex situ with a special reference to biodegradation technology. After the biodegradation of the plastic using microbes, the generated plastic (polythene) degradation products (PE-DPs) were also documented using GC-MS technique followed by their deleterious effect on both animal and plant systems. The book also enhances the awareness of the plastic-free society and also suggests some alternative materials to be used instead of plastic. Lastly, the book suggests/recommends the strategies to be followed by the lawmakers in the government organizations/non-government organizations/social organizations to frame the regulations and guidelines to implement at mass level to reduce the generation of plastic waste.

More Agile Testing - Janet Gregory 2014-10-06

Janet Gregory and Lisa Crispin pioneered the agile testing discipline with their previous work, *Agile Testing*. Now, in *More Agile Testing*, they reflect on all they've learned since. They address crucial emerging issues, share evolved agile practices, and cover key issues agile testers have asked to learn more about. Packed with new examples from real teams, this insightful guide offers detailed information about adapting agile testing for your environment; learning from experience and continually improving your test processes; scaling agile testing across teams; and overcoming the pitfalls of automated testing. You'll find brand-new coverage of agile testing for the enterprise, distributed teams, mobile/embedded systems, regulated environments, data warehouse/BI systems, and DevOps practices. You'll come away understanding • How to clarify testing activities within the team • Ways to collaborate with business experts to identify valuable features and deliver the right capabilities • How to design automated tests for superior reliability and easier maintenance • How agile team members can improve and expand their testing skills • How to plan “just enough,” balancing small increments with larger feature sets and the entire system • How to use testing to identify and mitigate risks associated with your current agile

processes and to prevent defects • How to address challenges within your product or organizational context • How to perform exploratory testing using “personas” and “tours” • Exploratory testing approaches that engage the whole team, using test charters with session- and thread-based techniques • How to bring new agile testers up to speed quickly-without overwhelming them Janet Gregory is founder of DragonFire Inc., an agile quality process consultancy and training firm. Her passion is helping teams build quality systems. For almost fifteen years, she has worked as a coach and tester, introducing agile practices into companies of all sizes and helping users and testers understand their agile roles. She is a frequent speaker at agile and testing software conferences, and is a major contributor to the agile testing community. Lisa Crispin, an experienced agile testing practitioner and coach, regularly leads conference workshops on agile testing and contributes frequently to agile software publications. She enjoys collaborating as part of an awesome agile team to produce quality software. Since 1982, she has worked in a variety of roles on software teams, in a wide range of industries. She joined her first agile team in 2000 and continually learns from other teams and practitioners.

Poly(lactic acid) Science and Technology - Alfonso Jiménez 2014-11-13

A comprehensive overview of the synthesis, characterisation, properties and applications of poly(lactic acid) science and technology covering scientific, ecological, social and economic issues.

Understanding Explosions - Daniel A. Crowl 2010-08-13

There are many different types of explosions, each with its own complex mechanism. Understanding explosions is important in preventing them. This reference provides valuable information on explosions for everyone involved in the operation, design, maintenance, and management of chemical processes, helping enhance understanding of the nature of explosions and the practical methods required to prevent them from occurring. The text includes: Fundamental basis for explosions Explosive and flammable behavior and characteristics of materials Different types of explosions Fire and explosion hazard recognition Practical methods for preventing explosions or minimizing the potential consequences

Additional references Understanding Explosions provides a practical understanding of explosion fundamentals, including the different types of explosions, the explosive and flammable behavior of materials, and the hazards related to fires and explosions. It also discusses practical methods to prevent and minimize the probability and consequence of an explosion during routine use of flammable, combustible and/or reactive materials.

Constant Volume Flame Propagation - Henry E. Perlee 1974

Aluminum Design Manual 2020 - Tanya Dolby 2020

Nonlinear System Identification - Oliver Nelles 2013-03-09

Written from an engineering point of view, this book covers the most common and important approaches for the identification of nonlinear static and dynamic systems. The book also provides the reader with the necessary background on optimization techniques, making it fully self-contained. The new edition includes exercises.

Mechanics of the 21st Century - Witold Gutkowski 2006-05-27

"This volume ... consists of a book with full texts of invited talks and attached CD-ROM with Extended Summaries of 1225 papers presented during the Congress"--p. x.

Handbook of Explosion Prevention and Protection - Martin Hattwig 2008-01-08

The new definitive reference in the field. Between them, the renowned team of editors and authors have amassed unparalleled experience at such institutes as BAM, PTB, Pittsburgh National Institute for Occupational Health and Safety, BASF AG, and the University of Göttingen. In this work -- the first of its kind for 35 years -- they describe in detail those measures that prevent or limit industrial explosions and the damage so caused. They cover various preventative methods, as well as the current state of technology combined with data gained through experimentation. This handbook offers operational, planning, design and safety engineers working in industry, government agencies and professional associations in-depth knowledge of the scientific and

technical basics, allowing them to apply explosion protection according to any given situation.