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By bringing together various ideas and methods for extracting the slow manifolds, the authors show that it is possible to establish a more macroscopic description in nonequilibrium systems. The book treats slowness as stability. A unifying geometrical viewpoint of the thermodynamics of slow and fast motion enables the development of reduction techniques, both analytical and numerical. Examples considered in the book range from the Boltzmann kinetic equation and hydrodynamics to the Fokker-Planck equations of polymer dynamics and models of chemical kinetics describing oxidation reactions. Special chapters are devoted to model reduction in classical statistical dynamics, natural selection, and exact solutions for slow hydrodynamic manifolds. The book will be a major reference source for both theoretical and applied model reduction. Intended primarily as a postgraduate-level text in nonequilibrium kinetics and model reduction, it will also be valuable to PhD students and researchers in applied mathematics, physics and various fields of engineering.

This edition of 'CMOS-MEMS' was originally published in the successful series 'Advanced Micro & Nanosystems'. Here, the combination of the globally established, billion dollar chip mass fabrication technology CMOS with the fascinating and commercially promising new world of MEMS is covered from all angles. The book introduces readers to this field and takes them from fabrication technologies and material characterization aspects to the actual applications of CMOS-MEMS - a wide range of miniaturized physical, chemical and biological sensors and RF systems. Vital knowledge on circuit and system integration issues concludes this in-depth

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treatise, illustrating the advantages of combining CMOS and MEMS in the first place, rather than having a hybrid solution. This book covers the theoretical and practical aspects of the mixing of solids and presents an overview as well as detailed know-how and experience. The book demonstrates the state of the art of mixing and segregation technology, quality control, design of mixers, design scale-up and engineering of complete processes. Includes checklists, criteria for choosing batch or continuous process, and practical examples of installed systems.

A multidisciplinary book on performance measurement that will appeal to students, researchers and managers. Higher education institutions (HEIs) have a unique role and responsibility for the future and for driving the development of a sustainable society. HEIs are charged with the task of fostering sustainability in the leaders of tomorrow, developing solutions and methods for addressing a sustainable future and ensuring that knowledge is contributed to society. HEIs must also ensure that their everyday operations and practices are consistent with a sustainable future, and that they work toward holistically integrating sustainability into both the mission of a university and its daily tasks. This Special Issue builds on papers presented during the 2018 International Sustainable Campus Network Conference and also includes other contributions. The articles reflect the many aspects of sustainability in higher education institutions and illustrate innovation in approach, outcomes, and impact. The papers cover a range of perspectives on sustainability both on and around campuses. These include organization and management issues, networking and city partnership themes, and metrics and indicators related to sustainable development goals. The Special Issue also includes papers on education, student involvement, and gender issues. Select articles include results from surveys and desktop research;

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others depict approaches on experimentation, living labs, and action research.

Urban-Think Tank (U-TT), an interdisciplinary design practice emerging from the turbulent political environment of Chávez-era Caracas, has pursued projects in Latin America, Europe, and Africa for almost twenty years. Their diverse work positioned the firm at the forefront of a social turn in architecture in the late 1990s, with concrete urban interventions encouraging social cohesion in the megacities of the Global South and Europe's evolving metropolises. U-TT has also produced numerous media projects that harness film, theater, exhibitions, and print to create new discursive spaces and question how our cities are shaped, and for whom. Most notable is its work on the squatted skyscraper for which the firm shared the Golden Lion at the Venice Biennale of Architecture in 2012. This book looks forward as well as back, imagining new spaces for a hyper-urbanized world and gaining insight from informal settlements, spatial play, and artistic interventions in public space.

This book contains the written contributions to the International Symposium on th Medical Simulation (ISMS'04) held in Cambridge, Massachusetts, USA on June 17 th and June 18 , 2004. Manuscripts are organized around five thematic sections relating to the multidisciplinary field of Medical Simulation: Soft Tissue Properties and Modeling, Haptic Rendering, Real-Time Deformable Models, Anatomical Modeling, and Development Frameworks. The objectives of the symposium are to gather researchers to present their most recent, and promising work, to highlight research trends and foster dialogue and debates among participants. Live demonstrations are also included at the meeting, but cannot be included in this volume. Finally, to address questions about areas for improvement and future directions of the field, we organized a panel of experts including technical, medical

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and educational representatives. This event continues the successful symposium organized by Hervé Delingette and Nicholas Ayache, in France in June 2003. At that meeting we agreed that it would be beneficial for the community to have an annual gathering for the medical simulation community where researchers can exchange ideas and share their work in this emerging field. ISMS'04 is co-organized by CIMIT / Harvard Medical School and Rutgers University.

An authoritative overview of the prior development, current state, and future opportunities in strategic management The strategic management field, now a vibrant arena that offers valuable knowledge for managerial practice, has experienced significant growth in the more than forty years since its inception. And, until now, there has not been a book that captured the rich breadth and depth of knowledge of the discipline, while also looking to the future. Strategic Management provides a critical overview of the prior development, current state, and future opportunities in the strategic management field. Editors Irene M. Duhaime, Michael A. Hitt, and Marjorie A. Lyles bring together an exceptional group of scholars to explore specialized topics such as corporate strategy, strategic entrepreneurship, cooperative strategies, global strategy, strategic leadership, governance, innovation, strategy process and strategy practice, and strategic human capital. The book focuses heavily on the future developments and research opportunities available in the field, while also providing a solid base of knowledge for understanding strategic management as a whole. With articles from major leaders in the field, this authoritative volume will be useful to every strategic management scholar.

Considered a major field of photonics, plasmonics offers the potential to confine and guide light below the

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diffraction limit and promises a new generation of highly miniaturized photonic devices. This book combines a comprehensive introduction with an extensive overview of the current state of the art. Coverage includes plasmon waveguides, cavities for field-enhancement, nonlinear processes and the emerging field of active plasmonics studying interactions of surface plasmons with active media.

The two-volume set LNCS 10896 and 10897 constitutes the refereed proceedings of the 16th International Conference on Computers Helping People with Special Needs, ICCHP 2018, held in Linz, Austria, in July 2018. The 101 revised full papers and 78 short papers presented were carefully reviewed and selected from 356 submissions. The papers are organized in the following topical sections: Web accessibility in the connected world; accessibility and usability of mobile platforms for people with disabilities and elderly persons: design, development and engineering; accessible system/information/document design; accessible e-learning - e-learning for accessibility/AT; personalized access to TV, film, theatre, and music; digital games accessibility; accessibility and usability of self-service terminals, technologies and systems; universal learning design; motor and mobility disabilities: AT, HCI, care; empowerment of people with cognitive disabilities using digital technologies; augmented and alternative communication (AAC), supported speech; Art Karshmer lectures in access to mathematics, science and engineering; environmental sensing technologies for visual impairment; 3D printing in the domain of assistive

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technologies (AT) and do it yourselves (DIY) AT; tactile graphics and models for blind people and recognition of shapes by touch; access to artworks and its mediation by and for visually impaired people; digital navigation for people with visual impairments; low vision and blindness: human computer interaction; future perspectives for ageing well: AAL tools, products, services; mobile healthcare and m-health apps for people with disabilities; and service and information provision.

Internet is starting to permeate politics much as it has previously revolutionised education, business or the arts. Thus, there is a growing interest in areas of e-government and, more recently, e-democracy. However, most attempts in this field have just envisioned standard political approaches facilitated by technology, like e-voting or e-debating. Alternatively, we could devise a more transforming strategy based on deploying web based group decision support tools and promote their use for public policy decision making. This book delineates how this approach could be implemented. It addresses foundations, basic methodologies, potential implementation and applications, together with a thorough discussion of the many challenging issues. This innovative text will be of interest to students, researchers and practitioners in the fields of e-government, e-democracy and e-participation and research in decision analysis, negotiation analysis and group decision support.

Rehabilitation Robotics summarizes the rationale for robot-assisted therapy and presents the technological steps in the evolution of the design and development of

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lower and upper extremity rehabilitation robots. After presenting the basic mechanisms of natural and artificial movement restoration, and the rationale for robot-aided movement therapy, it shows several design criteria that are relevant for the development of effective and safe rehabilitation robots.

The past decade has seen tremendous interest in the production and refinement of unmanned aerial vehicles, both fixed-wing, such as airplanes and rotary-wing, such as helicopters and vertical takeoff and landing vehicles. This book provides a diversified survey of research and development on small and miniature unmanned aerial vehicles of both fixed and rotary wing designs. From historical background to proposed new applications, this is the most comprehensive reference yet.

This book introduces students on Multiple Criteria Decision Aiding and Making courses to practical, real-world cases. Each case study introduces a problem or situation together with a method, and a description and explanation of a computer application. In this sense each chapter is based on four pillars: the problem, the model building, the methods and their implementation. The book presents and elaborates a rich and comprehensive set of practical problems comprising multiple criteria, including numerous approaches for their solution, for decision support or decision aid. It complements traditional textbooks and lecture material by employing case studies to promote a deeper understanding of the investigated concepts and help students apply these methods to other areas.

This book presents different aspects of renewable

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energy integration, from the latest developments in renewable energy technologies to the currently growing smart grids. The importance of different renewable energy sources is discussed, in order to identify the advantages and challenges for each technology. The rules of connecting the renewable energy sources have also been covered along with practical examples. Since solar and wind energy are the most popular forms of renewable energy sources, this book provides the challenges of integrating these renewable generators along with some innovative solutions. As the complexity of power system operation has been raised due to the renewable energy integration, this book also includes some analysis to investigate the characteristics of power systems in a smarter way. This book is intended for those working in the area of renewable energy integration in distribution networks.

This book provides insights into waste management practices in developing countries, and the application of research and innovation in finding appropriate solutions to improved waste management. The chapters have been selected with a focus on organic waste beneficiation, a significant waste stream in developing countries; the role of government and associated policy interventions; citizen behaviour in support of greater waste recycling; and the safe management of hazardous waste, particularly healthcare risk waste.

There continues to be a vigorous public debate in our society about the status of climate science. Much of the skepticism voiced in this debate suffers from a lack of understanding of how the science works - in particular the complex

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interdisciplinary scientific modeling activities such as those which are at the heart of climate science. In this book Eric Winsberg shows clearly and accessibly how philosophy of science can contribute to our understanding of climate science, and how it can also shape climate policy debates and provide a starting point for research. Covering a wide range of topics including the nature of scientific data, modeling, and simulation, his book provides a detailed guide for those willing to look beyond ideological proclamations, and enriches our understanding of how climate science relates to important concepts such as chaos, unpredictability, and the extent of what we know.

The first Digital Enterprise Technology (DET) International Conference was held in Durham, UK in 2002 and the second DET Conference in Seattle, USA in 2004. Sponsored by CIRP (College International pour la Recherche en Productique), the third DET Conference took place in Setúbal, Portugal in 2006. Digital Enterprise Technology: Perspectives and Future Challenges is an edited volume based on this conference. Topics include: distributed and collaborative design, process modeling and process planning, advanced factory equipment and layout design and modeling, physical-to-digital environment integrators, enterprise integration technologies, and entrepreneurship in DET.

This book promotes and describes the application of objective and effective decision making in asset management based on mathematical models and practical techniques that can be easily implemented in organizations. This comprehensive and timely publication will be an essential reference source, building on available literature in the field of asset management while laying the groundwork for further research breakthroughs in this field. The text provides the resources necessary for managers, technology developers, scientists and engineers to adopt and implement better decision making

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based on models and techniques that contribute to recognizing risks and uncertainties and, in general terms, to the important role of asset management to increase competitiveness in organizations.

Successful companies must strive to improve business processes on a comprehensive, coordinated level. Integral Logistics Management: Planning and Control of Comprehensive Supply Chains, Second Edition examines logistics in areas beyond the flow of goods, investigating administrative and planning logistics, or process control. What's New in the Second Edition: A review of E-business developments Additional concepts in transcorporate supply chain management Expanded treatment of master planning Sections on distribution planning and control More details on safety stock calculation and service level vs. fill rate Revised chapter on the process industry Comprehensive extension and update of terminology per CPIM exam content manual, covering all five CPIM modules More examples from real industrial practice Keywords at the end of each chapter, as well as scenarios and exercises, many of which include interactive, online elements This volume presents the characteristics, tasks, methods, and techniques of planning and control, detailing innovations in supply chain management, Just-in-Time, Enterprise and Manufacturing Resource Planning (ERP and MRP II), one-of-a-kind production, manufacturing in the process industry, and more. It provides students, industrial engineers, business managers, computer scientists, and other professionals with critical information for improving processes within both manufacturing and service industries.

The Powder Technology Handbook, Third Edition provides a comprehensive guide to powder technology while examining the fundamental engineering processes of particulate technology. The book offers a well-rounded perspective on

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powder technologies that extends from particle to powder and from basic problems to actual applications. Pro

This textbook provides both students and professionals alike with a transdisciplinary and comprehensive foundation to design responsible chemical products and processes that protect human health and the environment. It serves as a compact guide that brings together knowledge and tools from across multiple disciplines. Readers are introduced to a set of core topics with focus placed on basic technical methods and tools (including life cycle assessment, product and process risk assessment, and thermal safety concepts) as well as on important normative topics (including philosophical, societal, and business perspectives in addition to current environmental and safety legislation). Developed in collaboration with industry partners, this textbook also provides a workable, illustrative case study that guides readers through applying the fundamentals learned to the production and application of a real-world chemical product. Building upon the success of its first German edition published in 1998, this latest edition has been significantly updated and expanded to reflect developments over the past two decades. Its publication comes at a key time when the volume and pace of global chemical production is dramatically increasing, and the rise of social media and informed citizen scientists make the dialogue with stakeholders even more important and demanding. This textbook is a valuable resource for both the current and next generation of scientists and engineers that will be tasked with addressing the many challenges and opportunities that are appearing as a result. Covering a wide range of interconnected topics at a fundamental level applicable across scientific study programs and professions, this textbook fills a need not met by many of the other more specialized textbooks currently available.

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Disasters are characterized by severe disruptions of the society's functionality and adverse impacts on humans, the environment, and economy that cannot be coped with by society using its own resources. This work presents a decision support method that identifies appropriate measures for protecting the public in the course of a nuclear accident. The method particularly considers the issue of uncertainty in decision-making as well as the structured integration of experience and expert knowledge.

This book deals with gas-phase nanoparticle synthesis and is intended for researchers and research students in nanomaterials science and engineering, condensed matter physics and chemistry, and aerosol science. Gas-phase nanoparticle synthesis is instrumental to nanotechnology—a field in current focus that raises hopes for environmentally benign, resource-lean manufacturing. Nanoparticles can be produced by many physical, chemical, and even biological routes. Gas-phase synthesis is particularly interesting since one can achieve accurate manufacturing control and hence industrial viability. Nanotechnology is popular today.

However, basic scientific aspects of the relevant, underlying processes have not received sufficient attention. This book fills the gap in the current literature by addressing certain fundamentals of gas-phase nanoparticle synthesis. Chapters cover topics such as forces within and dynamics of nanoparticle systems, gas evaporation and deposition, laser assisted nanoparticle synthesis, and nanoparticle fabrication via flame processes. A chapter on in-situ structural studies of nanoparticles undergoing growth complements the exposition.

This softcover book is a self-contained account of the theory of viscosity solutions for first-order partial differential equations of Hamilton–Jacobi type and its

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interplay with Bellman's dynamic programming approach to optimal control and differential games. It will be of interest to scientists involved in the theory of optimal control of deterministic linear and nonlinear systems. The work may be used by graduate students and researchers in control theory both as an introductory textbook and as an up-to-date reference book.

The book features original papers from the 2nd International Conference on Smart IoT Systems: Innovations and Computing (SSIC 2019), presenting scientific work related to smart solution concepts. It discusses computational collective intelligence, which includes interactions between smart devices, smart environments and smart interactions, as well as information technology support for such areas. It also describes how to successfully approach various government organizations for funding for business and the humanitarian technology development projects. Thanks to the high-quality content and the broad range of the topics covered, the book appeals to researchers pursuing advanced studies.

Life Cycle Assessment

This book is a systematic attempt to address the issue of fossilization in relation to a fundamental question in second language acquisition research, which is: why are learners, adults in particular, unable to develop the level of competence they have aspired to in spite of continuous and sustained exposure to the target language, adequate motivation to learn, and sufficient opportunity to practice?

What kind of science do we need today and tomorrow?

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In a game that knows no boundaries, a game that contaminates science, democracy and the market economy, how can we distinguish true needs from simple of fashion? How can we distinguish between necessity and fancy? whims How can we differentiate conviction from opinion? What is the meaning of this all? Where is the civilizing project? Where is the universal outlook of the minds that might be capable of counteracting the global reach of the market? Where is the common ground that links each of us to the other? We need the kind of science that can live up to this need for univer sality, the kind of science that can answer these questions. We need a new kind of knowledge, a new awareness that can bring about the creative destruction of certainties. Old ideas, dogmas, and outdated paradigms must be destroyed in order to build new knowledge of a type that is more socially robust, more scientifically reliable, stable and above all better able to express our needs, values and dreams. What is more, this new kind of knowledge, which will be challenged in turn by ideas yet to come, will prove its true worth by demonstrating its capacity to dialogue with these ideas and grow with them.

Are choice and free will possible in a world governed by deterministic fundamental equations? What sense would determinism make if many events and processes in the world seemed to be governed by chance? These and many other questions emphasize the fact that chance and choice are two leading actors on stage whenever issues of determinism are under discussion. This volume collects essays by accomplished scientists and

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philosophers, addressing numerous facets of the concept of determinism. The contributions cover viewpoints from mathematics, physics, cognitive science and social science as well as various branches of philosophy. They offer valuable reading for everyone interested in the interdisciplinary relations between determinism, chance and free will. The desire to foster an interdisciplinary dialogue on determinism, chance and free will was the initial impetus leading to an international workshop on determinism taking place at Ringberg Castle near Lake Tegernsee, south of Munich, in June 2001. Representatives from mathematics, physics, cognitive and social science, and various branches of philosophy convened to discuss numerous aspects of determinism from their disciplinary perspectives. This volume is based on elaborated and refereed manuscripts of their lectures.

Multi-Actor Multi-Criteria Analysis (MAMCA) developed by Professor Cathy Macharis enables decision-makers within the sectors of transport, mobility and logistics to account for conflicting stakeholder interests. This book draws on 15 years of research and application during which MAMCA has been deployed to support sustainable decisions within the transport and mobility sectors.

The combustion of fossil fuels remains a key technology for the foreseeable future. It is therefore important that we understand the mechanisms of combustion and, in particular, the role of turbulence within this process. Combustion always takes place within a turbulent flow field for two reasons: turbulence increases the mixing

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process and enhances combustion, but at the same time combustion releases heat which generates flow instability through buoyancy, thus enhancing the transition to turbulence. The four chapters of this book present a thorough introduction to the field of turbulent combustion. After an overview of modeling approaches, the three remaining chapters consider the three distinct cases of premixed, non-premixed, and partially premixed combustion, respectively. This book will be of value to researchers and students of engineering and applied mathematics by demonstrating the current theories of turbulent combustion within a unified presentation of the field.

This book aims to address how nanotechnology risks are being addressed by scientists, particularly in the areas of human health and the environment and how these risks can be measured in financial terms for insurers and regulators. It provides a comprehensive overview of nanotechnology risk measurement and risk transfer methods, including a chapter outlining how Bayesian methods can be used. It also examines nanotechnology from a legal perspective, both current and potential future outcomes. The global market for nanotechnology products was valued at \$22.9 billion in 2013 and increased to about \$26 billion in 2014. This market is expected to reach about \$64.2 billion by 2019, a compound annual growth rate (CAGR) of 19.8% from 2014 to 2019. Despite the increasing value of nanotechnologies and their widespread use, there is a significant gap between the enthusiasm of scientists and nanotechnology entrepreneurs working in the

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nanotechnology space and the insurance/regulatory sector. Scientists are scarcely aware that insurers/regulators have concerns about the potential for human and environmental risk and insurers/regulators are not in a position to access the potential risk. This book aims to bridge this gap by defining the current challenges in nanotechnology across disciplines and providing a number of risk management and assessment methodologies. Featuring contributions from authors in areas such as regulation, law, ethics, management, insurance and manufacturing, this volume provides an interdisciplinary perspective that is of value to students, academics, researchers, policy makers, practitioners and society in general.

The two-volume set LNCS 12376 and 12377 constitutes the refereed proceedings of the 17th International Conference on Computers Helping People with Special Needs, ICCHP 2020, held in Lecco, Italy, in September 2020. The conference was held virtually due to the COVID-19 pandemic. The 104 papers presented were carefully reviewed and selected from 206 submissions. Included also are 13 introductions. The papers are organized in the following topical sections: Part I: user centred design and user participation in inclusive R&D; artificial intelligence, accessible and assistive technologies; XR accessibility – learning from the past, addressing real user needs and the technical architecture for inclusive immersive environments; serious and fun games; large-scale web accessibility observatories; accessible and inclusive digital publishing; AT and accessibility for blind and low vision users; Art

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Karshmer lectures in access to mathematics, science and engineering; tactile graphics and models for blind people and recognition of shapes by touch; and environmental sensing technologies for visual impairment Part II: accessibility of non-verbal communication: making spatial information accessible to people with disabilities; cognitive disabilities and accessibility – pushing the boundaries of inclusion using digital technologies and accessible eLearning environments; ICT to support inclusive education – universal learning design (ULD); hearing systems and accessories for people with hearing loss; mobile health and mobile rehabilitation for people with disabilities: current state, challenges and opportunities; innovation and implementation in the area of independent mobility through digital technologies; how to improve interaction with a text input system; human movement analysis for the design and evaluation of interactive systems and assistive devices; and service and care provision in assistive environments 12 chapters are available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.

A survey of how engineering techniques from control and systems theory can be used to help biologists understand the behavior of cellular systems.

Lasers can alter the surface composition and properties of materials in a highly controllable way, which makes them efficient and cost-effective tools for surface engineering. This book provides an overview of the different techniques, the laser-material interactions and the advantages and disadvantages for different

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applications. Part one looks at laser heat treatment, part two covers laser additive manufacturing such as laser-enhanced electroplating, and part three discusses laser micromachining, structuring and surface modification. Chemical and biological applications of laser surface engineering are explored in part four, including ways to improve the surface corrosion properties of metals. Provides an overview of thermal surface treatments using lasers, including the treatment of steels, light metal alloys, polycrystalline silicon and technical ceramics Addresses the development of new metallic materials, innovations in laser cladding and direct metal deposition, and the fabrication of tuneable micro- and nano-scale surface structures Chapters also cover laser structuring, surface modification, and the chemical and biological applications of laser surface engineering The manipulation of cells and microparticles within microfluidic systems using external forces is valuable for many microscale analytical and bioanalytical applications. Acoustofluidics is the ultrasound-based external forcing of microparticles with microfluidic systems. It has gained much interest because it allows for the simple label-free separation of microparticles based on their mechanical properties without affecting the microparticles themselves. Microscale Acoustofluidics provides an introduction to the field providing the background to the fundamental physics including chapters on governing equations in microfluidics and perturbation theory and ultrasound resonances, acoustic radiation force on small particles, continuum mechanics for ultrasonic particle

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manipulation, and piezoelectricity and application to the excitation of acoustic fields for ultrasonic particle manipulation. The book also provides information on the design and characterization of ultrasonic particle manipulation devices as well as applications in acoustic trapping and immunoassays. Written by leading experts in the field, the book will appeal to postgraduate students and researchers interested in microfluidics and lab-on-a-chip applications.

When BIC, manufacturer of disposable ballpoint pens, wanted to grow, it looked for an idea beyond introducing new sizes and ink colors. Someone suggested lighters. LIGHTERS? With an idea that seemed crazy at first, that bright executive, instead of seeing BIC as a pen company—a business in the PEN “box”—figured out that there was growth to be found in the DISPOSABLE “box.” And he was right. Now there are disposable BIC lighters, razors, even phones. The company opened its door to a host of opportunities. IT INVENTED A NEW BOX. Your business can, too. And simply thinking “out of the box” is not the answer. True ingenuity needs structure, hard analysis, and bold brainstorming. It needs to start THINKING IN NEW BOXES—a revolutionary process for sustainable creativity from two strategic innovation experts from The Boston Consulting Group (BCG). To make sense of the world, we all rely on assumptions, on models—on what Luc de Brabandere and Alan Iny call “boxes.” If we are unaware of our boxes, they can blind us to risks and opportunities. This innovative book challenges everything you thought you knew about business creativity by breaking creativity

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down into five steps: • Doubt everything. Challenge your current perspectives. • Probe the possible. Explore options around you. • Diverge. Generate many new and exciting ideas, even if they seem absurd. • Converge. Evaluate and select the ideas that will drive breakthrough results. • Reevaluate. Relentlessly. No idea is a good idea forever. And did we mention Reevaluate?

Relentlessly. Creativity is paramount if you are to thrive in a time of accelerating change. Replete with practical and potent creativity tools, and featuring fascinating case studies from BIC to Ford to Trader Joe's, *Thinking in New Boxes* will help you and your company overcome missed opportunities and stay ahead of the curve. This book isn't a simpleminded checklist. This is *Thinking in New Boxes*. And it will be fun. (We promise.) Praise for *Thinking in New Boxes* "Excellent . . . While focusing on business creativity, the principles in this book apply anywhere change is needed and will be of interest to anyone seeking to reinvent herself."—Blogcritics

"*Thinking in New Boxes* is a five-step guide that leverages the authors' deep understanding of human nature to enable readers to overcome their limitations and both imagine and create their own futures. This book is a must-read for people living and working in today's competitive environment."—Ray O. Johnson, Ph.D., chief technology officer, Lockheed Martin "Thinking In New Boxes discusses what I believe to be one of the fundamental shifts all companies/brands need to be thinking about: how to think creatively, in order to innovate and differentiate our brands. We need to thrive and lead in a world of accelerating change and this book

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challenges us to even greater creativity in our thinking. One of the best business books I've read in a long time."—Jennifer Fox, CEO, Fairmont Hotels & Resorts
"As impressive as teaching new tricks to old dogs, Thinking in New Boxes is both inspirational and practical—a comprehensive, step-by-step guide to sharpening one's wits in order to harness creativity in the workplace."—Peter Gelb, general manager, Metropolitan Opera

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