Integrative Research Using Novel Approaches

Health care is currently not sustainable. Health care systems in the developed world are encountering increased demand for high quality health care but facing societal resource limits. The volume explores the change capabilities and learning mechanisms that health care systems need in order to implement fundamental change to improve over time.

Novel Approaches to Colorectal Cancer, Volume 151 in the Advances in Cancer Research series, is composed of 11 reviews covering state-of-the-art research relating to the etiology, diagnosis, prevention and treatment of colorectal cancer. The book's chapters were written by recognized experts in the field, and include sections on molecular biomarkers in diagnosis and therapy, the interplay of diet, lifestyle, and the microbiome, early-age onset disease, mutational signature analysis, challenges in early detection, immunotherapy, organoid technology, the role of epigenetic alterations, disparities in minority populations, field carcinogenesis, and cancer as an evolutionary process. Each of these topics provides novel insights and concepts on various aspects of the nature of colorectal cancer, offering new opportunities for the management of a major source of cancer incidence and mortality. Provides information on the timely nature of the included topics, which represent the most current concepts and approaches in cancer research Offers outstanding and original reviews on colorectal cancer research Provides the authority and expertise of the authors, all of whom are highly recognized and conducting state-of-the-art investigations in cancer, with this release focusing on colorectal cancer

Genome-wide association studies (GWAS) for complex disorders with large case-control populations have been performed on hundreds of traits in more than 1200 published studies (http://www.genome.gov/gwastudies/) but the variants detected by GWAS account for little of the heritability of these traits, leading to an increasing interest in using family based designs. While GWAS studies are designed to find common variants with low to moderate attributable risks, family based studies are expected to find rare variants with high attributable risk. Because family-based designs can better control both genetic and environmental background, this study design is robust to heterogeneity and population stratification. Moreover, in family-based analysis, the background genetic variation can be modeled to control the residual variance which could increase the power to identify disease associated rare variants. Analysis of families can also help us gain knowledge about disease transmission and inheritance patterns. Although a family-based design has the advantage of being robust to false positives, novel and powerful methods to analyze families in genetic epidemiology continue to be needed, especially for the interaction between genetic and environmental factors associated with disease. Moreover, with the rapid development of sequencing technology, advances in approaches to the design and analysis of sequencing data in families are also greatly needed. The 11 articles in this book all introduce new methodology and, using family data, substantial new findings are presented in the areas of infectious diseases, diabetes, eye traits, autism spectrum disorder and prostate cancer.

Though traditionally information systems have been centralized, these systems are now distributed over the web. This requires a re-investigation into the way information systems are modeled and designed. Because of this new function, critical problems, including security, never-fail systems, and quality of service have begun to emerge. Novel Approaches to Information Systems Design is an essential publication that explores the most recent, cutting-edge research in information systems and exposes the reader to emerging but relatively mature models and techniques in the area. Highlighting a wide range of topics such as big data, business intelligence, and energy efficiency, this publication is ideally designed for managers, administrators, system developers, information system engineers, researchers, academicians, and graduate-level students seeking coverage on critical components of information systems.

Novel Approaches and Strategies for Biologics, Vaccines and Cancer Therapies take a look at the current strategies, successes and challenges involved with the development of novel formulations of biologics, vaccines and cancer therapy. This thorough reference on the latest trends in the development of diverse modalities will appeal to a broad community of scientists, students and clinicians. Written by leading authors across academia and industry, this book covers important topics such as unique drug delivery devices, non-parenteral delivery trends, novel approaches to the treatment of cancer, immunotherapy and more. It includes real-world cases and examples which highlight formulations with therapeutic proteins, monoclonal antibodies, peptides and biobetters, as well as cases on novel vaccines formulations including evolving pathogens, novel modalities of vaccines, universal vaccines. This book is a thorough and useful resource on the development of novel biologics, vaccines and cancer therapies. Provides strategies for the development of safe and efficacious novel formulations for various modalities of biologics, vaccines and for cancer therapy Highlights novel cases from current clinical trials as well as marketed products Reviews overall successes and challenges in the development of novel formulations, including new molecular targets for the treatment of diseases, design of target-specific therapies, regulatory considerations, individualized therapies

This issue of Nursing Clinics includes the following topics: Nursing interventions for smoking cessation; tobacco cessation clinics; Cessation strategies for pregnant and postpartum mothers; Evidence-based cessation strategies and policies for college-age smokers; Evidence-based cessation strategies for rural communities; Gender differences and tobacco cessation; Optimizing tobacco cessation outcomes; Community based participatory research and cessation interventions; Use of quit-lines for cessation; Advocacy and smoke-free laws; Hookah use in adolescents and adults; Chewing tobacco; and E-cigarettes.

This book introduces to the reader unfamiliar with primatology in Japan three research projects representative of the unique multidisciplinary approach carried out by scientists at Kyoto University, the country's premier institution for primate studies. The projects are all aimed at understanding the age-old questions, where did we come from, and what makes us unique or similar to our primate ancestors? The first chapter, by Naofumi Nakagawa, focuses on the cultural diversity of social behavior in the Japanese macaque. This chapter reviews research on primate culture, in particular the work on Japanese macaques, then presents what is arguably the first example of a culturally transmitted social convention in the species, called "hug-hug". The second chapter, by Michael A. Huffman, introduces our current knowledge of self-medication in primates, based largely on a long-term study of wild chimpanzees at Kyoto University's longest ongoing chimpanzee field in Africa, Mahale, in Tanzania. The suite of behavioral adaptations to parasite infections in chimpanzees is compared with our current knowledge of self-medication in other primates and other animal species. The third chapter, by Yasuhiro Go, Hiroo Imai, and Masaki Tomonaga, describes the ambitious efforts to combine cognitive science and genomics into a new discipline called "comparative cognitive genomics". This chapter provides an overview of recent advancements in chimpanzee comparative cognition, the construction of a chimpanzee genomic database, and comparative genomic studies at the individual level, looking into factors affecting personality and individuality.

Novel Approaches to the Analysis of Family Data in Genetic Epidemiology
Systems Analytics and Integration of Big Omics Data
Cholesterol: New Insights for the Healthcare Professional: 2011 Edition
Breakthroughs in Research and Practice
Developments and Novel Approaches in Biomechanics and Metamaterials
Comprehensive Treatment of Chronic Pain by Medical, Interventional, and Integrative Approaches
Integrative Nursing
Future Roles and Opportunities for the U.S. Geological Survey
Issues in Biochemistry and Biophysics Research: 2011 Edition
Biodata Mining and Visualization: Novel Approaches
Personalized Psychiatry

Risk assessment is a critical component in the evaluation and protection of natural or anthropogenic systems. Conventionally, risk assessment is involved with some essential steps such as the identification of problem, risk evaluation, and assessment review. Other novel approaches are also discussed in the book chapters. This book is compiled to communicate the latest information on risk assessment approaches and their effectiveness. Presented materials cover subjects from environmental quality to human health protection.

Environmental research has driven landmark improvements that led to the protection of human and ecosystem health. Recognizing the value of knowledge generated by environmental research and the ingenuity within academic and nonprofit institutions, the US Environmental Protection Agency (EPA) created a program known as Science to Achieve Results, or STAR, in 1995. STAR is EPA's primary competitive extramural grants program. A Review of the Environmental Protection Agency's Science to Achieve Results Research Program assesses the program's scientific merit, public benefits, and overall contributions in the context of other relevant research and recommends ways to enhance those aspects of the program. This report also considers the conclusions and recommendations of a prior National Research Council review of the STAR program (2003), the STAR program's research priorities in light of the nation's environmental challenges, and the effects of recent STAR funding trends on obtaining scientific information needed to protect public health and the environment.

• Real-world problems can be high-dimensional, complex, and noisy • More data does not imply more information • Different approaches deal with the so-called curse of dimensionality to reduce irrelevant information • A process with multidimensional information is not necessarily easy to interpret nor process • In some real-world applications, the number of elements of a class is clearly lower than the other. The models tend to assume that the importance of the analysis belongs to the majority class and this is not usually the truth • The analysis of complex diseases such as cancer are focused on more-than-one dimensional omic data • The increasing amount of data thanks to the reduction of cost of the high-throughput experiments opens up a new era for integrative data-driven approaches • Entropy-based approaches are of interest to reduce the dimensionality of high-dimensional data

Personalized Psychiatry presents the first book to explore this novel field of biological psychiatry that covers both basic science research and its translational applications. The book conceptualizes personalized psychiatry and provides state-of-the-art knowledge on biological and neuroscience methodologies, all while integrating clinical phenomenology relevant to personalized psychiatry and discussing important principles and potential models. It is essential reading for advanced students and neuroscience and psychiatry researchers who are investigating the prevention and treatment of mental disorders. Combines neurobiology with basic science methodologies in genomics, epigenomics and transcriptomics Demonstrates how the statistical modeling of interacting biological and clinical information could transform the future of psychiatry Addresses fundamental questions and requirements for personalized psychiatry from a basic research and translational perspective

The intersection of supply chain management and e-business information systems is a significant topic for the modern business world as understanding which technologies will most effectively enable innovative practices is a key management competency. Innovations in Supply Chain Management for Information Systems: Novel Approaches presents exemplary research on the interface between these two fields, useful to academicians and practitioners keen on streamlining concurrently both information and materials flows across the supply chains. This advanced publication provides recent examinations as well as future directions of development.

This book focuses on the use of molecular tools to study small populations of rare and endangered mammals, and presents case studies that apply an evolutionary framework to address innovative questions in the emerging field of mammalian conservation genomics using a highly diverse set of novel molecular tools. Novel and more precise molecular technologies now allow experts in the field of mammology to interpret data in a more contextual and empirical fashion and to better describe the evolutionary and ecological processes that are responsible for the patterns they observe. The book also demonstrates how recent advances in genetic/genomic technologies have been applied to assess the impact of environmental/anthropogenic changes on the health of small populations of mammals. It examines a range of issues in the field of mammalian conservation genomics, such as the role that the genetic diversity of the immune system plays in disease protection and local adaptation; the use of noninvasive techniques and genomic banks as a resource for monitoring and restoring populations; the structuring of population by physical barriers; and genetic diversity. Further, by integrating research from a variety of areas – including population genetics, molecular ecology, systematics, and evolutionary and conservation biology – it enables readers to gain a deeper understanding of the conservation biology of mammals that are at increasing risk of extinction at local, regional and global scales. As such, it offers a unique resource for a broad readership interested in the conservation biology of mammals and conservation management strategies to better preserve biodiversity.

Issues in Biochemistry and Biophysics Research: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Biochemistry and Biophysics Research. The editors have built Issues in Biochemistry and Biophysics Research: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Biochemistry and Biophysics Research in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Biochemistry and Biophysics Research: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

6th International Conference, ENASE 2011, Beijing, China, June 8-11, 2011. Revised Selected Papers
Novel Approaches to Organizational Project Management Research
Novel Approaches and Strategies for Biologics, Vaccines and Cancer Therapies
Novel Approaches to Colorectal Cancer
Evaluation of Novel Approaches to Software Engineering
Proceedings of the International Conference on Cities' Identity through Architecture and Arts (CITAA 2017), May 11-13, 2017, Cairo, Egypt
Behavioral Perspectives on Strategic Alliances
Integrative Research Using Novel Approaches
Translational and Transformational
The Role of the Study Director in Nonclinical Studies
Conservation Genetics in Mammals

A single-source reference with a broad and holistic overview of nonclinical studies, this book offers critical training material and describes regulations of nonclinical testing through guidelines, models, case studies, practical examples, and worldwide perspectives. The book: Provides a complete overview of nonclinical study organization, conduct, and reporting and describes the roles and responsibilities of a Study Director to manage an effective study Covers regulatory and scientific concepts, including international testing and Good Laboratory Practice (GLP), compliance with guidelines, and animal models Features a concluding chapter that compiles case studies / lessons learned from those that have served as a Study Director for many years Addresses the entire spectrum of nonclinical testing, making it applicable to those in the government, laboratories and those actively involved in in all sectors of industry

The diagnosis and treatment of disease is a primary concern for health professionals and all of society. With the growing use of alternative medicine, patients can receive a wider scope of potential treatment options. Complementary and Alternative Medicine: Breakthroughs in Research and Practice is a critical reference source for the latest research findings on the application of complementary and alternative medicine in the prevention and treatment of numerous diseases. Highlighting a range of pertinent topics such as herbal remedies, antioxidants, and functional foods, this book is an ideal reference source for medical practitioners, medical professionals, and researchers interested in emerging trends in alternative medicinal practices.

Project management as a discipline has experienced near-exponential growth in its application across the business and not-for-profit sectors. This original, authoritative guide provides both practitioner and student researchers with a complete guide to research practice on project management. In Designs, Methods and Practices for Research of Project Management, Beverly Pasian has brought together original chapters from a veritable who's who of project management research including authors such as Harvey Maylor, Christophe Bredillet, Derek Walker, Miles Shepherd, Janice Thomas, Naomi Brookes and Darren Dalcher. The collection looks at research strategy, management, methodology, techniques as well as emerging topics such as social network analysis. The 38 chapters offer an international perspective with examples from a wide range of project management applications; engineering, construction, mega-projects, high-risk environments and social transformation. Each chapter includes tips and exercises for the research student, as well as a complete set of further references.

The U.S. Geological Survey (USGS) has adapted to the changing political, economic, and technical state of the nation and the world since it was established in the late nineteenth century. Over a period of more than 120 years, the USGS has evolved from a small group of scientists who collected data and provided guidance on how to parcel, manage, and use the public lands of the West to an agency comprised of thousands of scientists who conduct research and assessment activities on complex scientific issues at scales ranging from the local to the global. The USGS will no doubt continue to evolve and adapt to meet changing national needs. In fact, the recent integration of the National Biological Service and parts of the U.S. Bureau of Mines into the USGS presents an ideal opportunity to examine the agency's vision, mission, role, and scientific opportunities as the organization begins the early years of the twenty-first century. The USGS recognized the need to adapt to changing demands when it asked the National Research Council (NRC) to undertake this study. The NRC formed a multidisciplinary committee of 16 experts to address issues related to the future roles, challenges, and opportunities of the agency.

Project management (PM), traditionally employed to implement projects, has developed into Organizational Project Management, as organizations are increasingly using projects to deliver strategies. The emergence of program and portfolio management has also contributed to this move. PM researchers need to become more innovative in their research approaches. They need to connect with the broader currents of social science in relevant fields, such as organization theory. Outside the specific field, there is a great deal that can usefully be imported, transformed, and translated so that it is fit for project management research purposes. More trans-disciplinary, translational, and transformational approaches for conducting project-related research are required, and this book goes a long way to providing foundations for them. The book encompasses reflections on fundamental questions underlying any research, such as the type of knowledge sought, as well as the epistemological and ontological assumptions. It broadens research methods and theory perspectives, drawing on contemporary approaches, such as action research, soft systems methodology, activity theory, actor-network theory, and other approaches adopted in related scientific and technological areas that are only recently being adopted. To achieve this, the book's editors have necessarily been eclectically interdisciplinary in their contributor list. They have included contemporary research methods and designs from areas allied to project research - such as organization science, organizational studies, sociology, behavioral science, and biology - providing innovative invitations to research design and methodological choice. Overall, this book makes a significant contribution to the maturation and development of project management research as a specialty in the broader social sciences, one that is a less-reliant handmaiden or under-laborer to purely technical issues, but which appreciates that any material construction is always a social construction as well, one that implies episteme and phronesis, knowledge and wisdom, as well as techne or technique. Project managers may not realize it, but the most important aspects of what they manage are the meanings, interpretations, and politics of projects, and not merely the technical aspects.

(Series: Advances in Organization Studies - Vol. 29) [Subject: Project Management, Business Administration, Organizational Studies]

A "genotype" is essentially an organism's full hereditary information which is obtained from its parents. A "phenotype" is an organism's actual observed physical and behavioral properties. These may include traits such as morphology, size, height, eye color, metabolism, etc. One of the pressing challenges in computational and systems biology is genotype-to-phenotype prediction. This is challenging given the amount of data generated by modern Omics technologies. This "Big Data" is so large and complex that traditional data processing applications are not up to the task. Challenges arise in collection, analysis, mining, sharing, transfer, visualization, archiving, and integration of these data. In this Special Issue, there is a focus on the systems-level analysis of Omics data, recent developments in gene ontology annotation, and advances in biological pathways and network biology. The integration of Omics data with clinical and biomedical data using machine learning is explored. This Special Issue covers new methodologies in the context of gene–environment interactions, tissue-specific gene expression, and how external factors or host genetics impact the microbiome.

Every city has its unique and valuable identity, this identity is revealed through its physical and visual form, it is seen through the eyes of its residents and users. The city develops over time, and its identity evolves with it. Reflecting the rapid and constant changes the city is subjected to, Architecture and Arts, is the embodiment of the cultural, historical, and economical characteristics of the city. This conference was dedicated to the investigation of the different new approaches developed in Architecture and Contemporary arts. It has focused on the basis of urban life and identities. This volume provides discussions on the examples and tendencies in dealing with urban identities as well as the transformation of cities and urban cultures mentioned in terms of their form, identity, and their current art. Contemporary art, when subjected to experiments, continues to be produced in various directions, to be consumed and to put forward new ideas. Art continuously renews itself, from new materials to different means of communication, from interactive works to computer games, from new approaches to perceptional paradigms and problems of city and nature of the millennium. This is an Open Access ebook, and can be found on www.taylorfrancis.com.

Methods in Paleoecology
Innovations in Supply Chain Management for Information Systems: Novel Approaches
The AMERICAN ACADEMY OF PAIN MEDICINE Textbook on Patient Management
Novel Approaches and Their Applications in Risk Assessment
Molecular Ecology and Conservation Genetics of Neotropical Mammals
Designs, Methods and Practices for Research of Project Management
Frontiers in Language Assessment and Testing
Introduction to Quantitative EEG and Neurofeedback
Reconstructing Cenozoic Terrestrial Environments and Ecological Communities
Tobacco Control, An Issue of Nursing Clinics - E-Book
Complementary and Alternative Medicine: Breakthroughs in Research and Practice

International Review of Cytology

This book is intended to provide up-to-date and emerging information in the field of diabetes mellitus with a focus on preventive, predictive and personalized medicine.

This volume focuses on the reconstruction of past ecosystems and provides a comprehensive review of current techniques and their application in exemplar studies. The 18 chapters address a wide variety of topics that span vertebrate paleobiology and paleoecology (body mass, postcranial functional morphology, evolutionary dental morphology, microwear and mesowear, ecomorphology, mammal community structure analysis), contextual paleoenvironmental studies (paleosols and sedimentology, ichnofossils, pollen, phytoliths, plant macrofossils), and special techniques (bone microstructure, biomineral isotopes, inorganic isotopes, 3-D morphometrics, and ecometric modeling). A final chapter discusses how to integrate results of these studies with taphonomic data in order to more accurately characterize an ancient ecosystem. Current investigators, advanced undergraduates, and graduate students interested in the field of paleoecology will find this book immensely useful. The length and structure of the volume also makes it suitable for teaching a college-level course on reconstructing Cenozoic ecosystems.

Advances in Biotechnology Research and Application: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Biotechnology. The editors have built Advances in Biotechnology Research and Application: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Biotechnology in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Advances in Biotechnology Research and Application: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

The study of Quantitative EEGs and Neurofeedback offer a window into brain physiology and function via computer and statistical analyses, suggesting innovative approaches to the improvement of attention, anxiety, mood and behavior. Resources for understanding what QEEG and Neurofeedback is, how they are used, and to what disorders and patients they can be applied are scarce, and this volume serves as an ideal tool for clinical researchers and practicing clinicians, providing a broad overview of the most interesting topics relating to the techniques. The revised coverage of advancements, new applications (e.g. Aspberger's, music therapy, LORETA, etc.), and combinations of prior approaches make the second edition a necessary companion to the first. The top scholars in the field have been enlisted and contributions will offer both the breadth needed for an introductory scholar and the depth desired by a clinical professional. *Detailed new protocols for treatment of anxiety, depression, ADHD, and PTSD *Newest protocol in Z-score training enables clinicians to extend their practices *LORETA diagnostic tool lets the clinician watch for changes deep in the brain through working with surface EEG patterns

Edited by master clinician-experts appointed by the American Academy of Pain Medicine, this is a state-of-the-art multidisciplinary textbook covering medical, interventional, and integrative approaches to the treatment and management of pain. It is designed as a practical and comprehensive primary reference for busy physicians and is also an up-to-date resource for preparing for certification examinations in pain medicine. · Written and edited by world-class authorities · "Key Points" preview contents of each chapter · Leading edge medical topics, such as monitoring opioid use and abuse, and the emerging role of cannabinoids in pain treatment · Expert guidance on full range of interventional techniques · Clinical anatomy and physiology for the interventionist · Behavioral dimensions of the experience and management of pain · Integrative approaches for treating the "whole person" · Legal issues, such as failure to treat pain · First-hand patient accounts

Cholesterol: New Insights for the Healthcare Professional: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Cholesterol. The editors have built Cholesterol: New Insights for the Healthcare Professional: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Cholesterol in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Cholesterol: New Insights for the Healthcare Professional: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

New Strategies to Advance Pre/Diabetes Care: Integrative Approach by PPPM
Office of Naval Research, Guide to Programs
Advanced Theory and Applications
Cardiorespiratory Coupling - Novel Insights for Integrative Biomedicine
Advances in Biotechnology Research and Application: 2011 Edition
International Review of Cytology
Cities' Identity Through Architecture and Arts
Monkeys, Apes, and Humans
Novel Approaches for Studying Creativity in Problem-Solving and Artistic Performance
A Review of the Environmental Protection Agency's Science to Achieve Results Research Program
Strategic Plan

This book contains a collection of thoroughly refereed papers presented at the 6th International Conference on Evaluation of Novel Approaches to Software Engineering, ENASE 2011, held in Beijing, China, in June 2011. The 18 revised and extended full papers presented together with 10 revised short papers were carefully reviewed and selected from 75 initial submissions. The papers cover a wide range of topics, such as software quality and testing, requirements engineering, programming, software processes and methods, software tools and environments, business process modeling, software components, software effort and processes, and socio-technical aspects of software development.

Integrative medicine is defined as healing-oriented medicine that takes account of the whole person (body, mind, and spirit) as well as all aspects of lifestyle. It emphasizes the therapeutic relationship and makes use of appropriate therapies, both conventional and alternative. This volume is the first complete roadmap to integrative nursing, providing a step-by-step guide to assess and clinically treat conditions through a variety of combined methodologies including wellness, lifestyle enhancement, and nutrition. This text puts forth both the skills and theoretical frameworks for multidisciplinary leaders to consider and implement integrative healthcare strategies within institutions, including several case studies involving practical nursing-led initiatives. Sections one and two cover the foundations, including principles and best practices, healing environments, whole systems healing, and measurement of outcomes. The third section outlines major areas of symptom management such as pain, nausea, insomnia, anxiety, depression, stress, and behavioral dysfunction. The fourth and fifth sections address applications to patient populations, models of care of education. The final section collects global perspectives. The academic rigor of the text is balanced by practical and relevant content that can be readily implemented into practice for both established professionals as well as students enrolled in undergraduate or graduate nursing programs.

Behavioral Perspectives on Strategic Alliances is a volume in the book series Research in Strategic Alliances that will focus on providing a robust and comprehensive forum for new scholarship in the field of strategic alliances. In particular, the books in the series will cover new views of interdisciplinary theoretical frameworks and models, significant practical problems of alliance organization and management, and emerging areas of inquiry. The series will also include comprehensive empirical studies of selected segments of business, economic, industrial, government, and non activities with wide prevalence of strategic alliances. Through the ongoing release of focused topical titles, this book series will seek to disseminate theoretical insights and practical management information that will enable interested professionals to gain a rigorous and comprehensive understanding of the field of strategic alliances. Behavioral Perspectives on Strategic Alliances contains contributions by leading scholars in the field of strategic alliance research. The 14 chapters in this volume cover a number of significant topics that examine the increasingly prominent role of b factors in alliance evolution and management. This behavioral perspective is only recently emerging in the literature but its roots lie in the impact of micro level variables on macro level outcomes. The chapters cover both the traditional behavioral issues, including the role of alliance managers and the dynamics of trust and cooperation, and the emerging research perspectives that deal with topics such as the enactment of alliances, sensemaking in interorganizational relationships, building an alliance culture, managing internal tensions, cognitive dissimilarities, behavioral respe adverse situations, interpartner legitimacy, and interpretive schemes. The chapters include empirical as well as conceptual treatments of the selected topics, and collectively present a wide-ranging review of the noteworthy behavioral perspectives in the field of alliance research.

This book presents a selection of cutting-edge methods that allow readers to obtain novel models for nonlinear solid mechanics. Today, engineers need more accurate techniques for modeling solid body mechanics, chiefly due to innovative methods like additive manufacturing—for example, 3D printing—but also due to miniaturization. This book focuses on the formulation of continuum and discrete models for complex materials and systems, and especially the design of metamaterials. It gathers outstanding papers from the international conference IcONSOM 2019

Statistical Inference from High Dimensional Data
Novel Approaches to Information Systems Design
Pharmaceuticals, Chemicals, Medical Devices, and Pesticides
Office of Naval Research Guide to Programs
Primatology in Japan
Novel Approaches

Organizing for Sustainable Healthcare