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KEY=RATTLESNAKE - GIOVANNA WALKER

CLINICAL TRIALS DESIGN IN OPERATIVE AND NON OPERATIVE INVASIVE PROCEDURES

[Springer](#) **The aim of this text is to provide the framework for building a clinical trial as it pertains to operative and non operative invasive procedures, how to get it funded and how to conduct such a trial up to publication of results The text provides all details of building a scientifically and ethically valid proposal, including how to build the infrastructure for a clinical trial and how to move it forward through various funding agencies. The text also presents various types of clinical trials, the use of implantable devices and FDA requirements, and adjuncts to clinical trials and interaction with industry Clinical Trials Design in Invasive Operative and Non Operative Procedures will be of interest to all specialists of surgery, anesthesiologists, interventional radiologists, gastroenterologists, cardiologists, and pulmonologists**

RED DWARFS

THEIR GEOLOGICAL, CHEMICAL, AND BIOLOGICAL POTENTIAL FOR LIFE

[Springer Nature](#) **This thought-provoking book looks at the nature of red dwarf systems as potential homes for life. Realistically, what are the prospects for life on these distant worlds? Could life evolve and survive there? How do these planetary surfaces and geologies evolve? How would life on a planet orbiting a red dwarf differ from life on Earth? And what are the implications for finding further habitable worlds in our galaxy? The author provides readers with insight into the habitability of planets and how this changes as time progresses and the central star evolves. Since the previous 2013 edition Under a Crimson Sun, there has been a rise in newly discovered planets orbiting red dwarfs, accompanied by controversial areas of research that test what we think we know about these systems. This revised edition delves into the wealth of new material uncovered since that date. It explains the often conflicting results and analyses put forward and clarifies our understanding of these exciting new worlds. The chapters explore the full width of relevant scientific discovery and speculation on the potential for red dwarf planets to host life. New content includes improved atmospheric models, new understandings of the impact of stellar radiation on the atmosphere of red dwarf worlds, tidal-locking, and comparisons with terrestrial geology and climate.**

BLOOD BROTHERS

[Bloomsbury Publishing](#) **A Liverpoolian West Side Story, Blood Brothers is the story of twin brothers separated at birth because their mother cannot afford to keep them both. One of them is given away to wealthy Mrs Lyons and they grow up as friends in ignorance of their fraternity until the inevitable quarrel unleashes a blood-bath. Blood Brothers was first performed at the Liverpool Playhouse in 1983 and subsequently transferred to the Lyric Theatre, London. It was revived in the West End in 1988 for a long-running production and opened on Broadway in 1993.**

BALANCED URBAN DEVELOPMENT: OPTIONS AND STRATEGIES FOR LIVEABLE CITIES

[Springer](#) **This book provides a unique synthesis of concepts and tools to examine natural resource, socio-economic, legal, policy and institutional issues that are important for managing urban growth into the future. The book will particularly help the reader to understand the current issues and challenges and develop strategies and practices to cope with future pressures of urbanisation and peri-urban land, water and energy use challenges. In particular, the book will help the reader to discover underlying principles for the planning of future cities and peri-urban regions in relation to: (i) Balanced urban development policies and institutions for future cities; (ii) Understanding the effects of land use change, population increase, and water demand on the liveability of cities; (iii) Long-term planning needs and transdisciplinary approaches to ensure the secured future for generations ahead; and (iv) Strategies to adapt the cities and land, water and energy uses for viable and liveable cities. There are growing concerns about water, food security and sustainability with increased urbanisation worldwide. For cities to be liveable and sustainable into the future there is a need to maintain the natural resource base and the ecosystem services in the peri-urban areas surrounding cities. This need is increasing under the looming spectre of global warming and climate change. This book**

will be of interest to policy makers, urban planners, researchers, post-graduate students in urban planning, environmental and water resources management, and managers in municipal councils.

LIVER AND BILIARY TRACT SURGERY

EMBRYOLOGICAL ANATOMY TO 3D-IMAGING AND TRANSPLANT INNOVATIONS

Springer Science & Business Media This beautifully illustrated monograph provides an up-to-date and comprehensive overview about all fields of liver and biliary tract surgery and liver transplantation. It consists of four sections with 48 chapters: Section I: Anatomy, physiology, imaging and general principles, Section II: Biliary tract surgery, Section III: Liver surgery and Section IV: Liver transplantation. The book includes more than 500 figures and illustrations mostly in color. Some of the topics such as computer assisted surgery planning are treated comprehensively for the first time. The book is written in a concise and well conceived way.

THE WILEY HANDBOOK ON OFFENDERS WITH INTELLECTUAL AND DEVELOPMENTAL DISABILITIES

RESEARCH, TRAINING, AND PRACTICE

John Wiley & Sons The essential resource to the most recent research and practice on offenders with intellectual and developmental disabilities The Wiley Handbook on Offenders with Intellectual and Developmental Disabilities is a comprehensive compendium to the research and evidence supporting clinical work with people with intellectual and developmental disabilities who offend or are at risk of offending. With contributions from an international panel of experts, the text reviews the most recent developments in the assessment, treatment and management of various types of offenders with intellectual disabilities including violent offenders, sexual offenders and fire setters. The text also explores the developments in research on risk assessment and management of people with intellectual disabilities who offend or are at risk of offending. In addition, the handbook also contains information on developments in research into the epidemiology of offending in this population, pathways into services and the trajectories of the criminal careers of those who will later go on to offend. This important resource: Includes contributions from expert international researchers and practitioners in the field Describes a range of theoretical, conceptual and ethical assessments as well as treatment and service development issues that are relevant practitioners in clinical practice Presents the ethical-legal considerations that offer a conceptual framework for the handbook Sets out a variety of the most current evidence-based interventions Written for psychologists, psychiatrists, nurses and other mental health professionals, and those in education and training, The Wiley Handbook on Offenders with Intellectual and Developmental Disabilities offers a much-needed resource on the latest developments in the field.

NURSING LEADERSHIP AND MANAGEMENT FOR PATIENT SAFETY AND QUALITY CARE

F.A. Davis Learn the skills you need to lead and succeed in the dynamic health care environments in which you will practice. From leadership and management theories through their application, you'll develop the core competences needed to deliver and manage the highest quality care for your patients. You'll also be prepared for the initiatives that are transforming the delivery and cost-effectiveness of health care today.

THE GREAT SILENCE

Orenda Books The discovery of a human foot in an Edinburgh park, the inexplicable circumstances of a dying woman, and the missing daughter of Jenny's violent ex-husband present the Skelf women with their most challenging - and deadly - cases yet... Book THREE in the addictive The Skelfs series! 'Simply stunning. Tense, funny and deeply moving' Mark Billingham 'If you loved Iain Banks, you'll devour the Skelfs series' Erin Kelly 'Nobody portrays modern Edinburgh better than Doug Johnstone. The Great Silence speaks volumes about the power of story' Val McDermid _____ Keeping on top of the family funeral directors' and private-investigation businesses is no easy task for the Skelf women, and when matriarch Dorothy discovers a human foot while walking the dog, a perplexing case presents itself ... with potentially deadly results. Daughter Jenny and grand-daughter Hannah have their hands full too: The mysterious circumstances of a dying woman lead them into an unexpected family drama, Hannah's new astrophysicist colleague claims he's receiving messages from outer space, and the Skelfs' teenaged lodger has yet another devastating experience. Nothing is clear as the women are immersed ever deeper in their most challenging cases yet. But when the daughter of Jenny's violent and fugitive ex-husband goes missing without trace and a wild animal is spotted roaming Edinburgh's parks, real danger presents itself, and all three Skelfs are in peril. Taut, dark, warmly funny and unafraid to ask big questions - of us all - The Great Silence is the much-anticipated third instalment in the addictive, unforgettable Skelfs series, and the stakes are higher than ever. _____ 'This is their third outing and the stories get better each time ... Told with a wry humour and affection, the novel underlines just how accomplished Johnstone has become' Daily Mail 'The power of this book lies in the warm personalities and dark humour of the Skelfs, and by the end readers will be just as interested in their relationships with each other as the mysteries they are trying to solve' Scotsman 'Remarkable' Sunday Times Crime Club STAR PICK 'Keeps you hungry from page to page. A crime reader can't ask anything more' The Sun 'Mysteries aplenty ... a poignant reflection on grief and the potential for healing that lies within us all. A proper treat' Mary Paulson-Ellis 'A thrilling, atmospheric book, set in the dark streets of Edinburgh. That great city really came alive for me in this gripping tale. Move over Ian Rankin, Doug Johnstone is coming through!' Kate Rhodes 'An unstoppable, thrilling, bullet train of a book that cleverly weaves in family and intrigue, and has real emotional impact. I totally loved it' Helen Fields 'This enjoyable mystery is also a touching and

often funny portrayal of grief ... more, please' Guardian 'Wonderful characters: flawed, funny and brave' Sunday Times 'Exceptional ... a must for those seeking strong, authentic, intelligent female protagonists' Publishers Weekly The Skelfs series has been: ***Shortlisted for the McIlvanney Prize for Best Scottish Crime Book of the Year*** ***Longlisted for Theakston's Old Peculier Crime Novel of the Year*** ***Shortlisted for Amazon Publishing Capital Crime Thriller of the Year***

CONCEPTS OF MATTER IN SCIENCE EDUCATION

[Springer Science & Business Media](#) Bringing together a wide collection of ideas, reviews, analyses and new research on particulate and structural concepts of matter, Concepts of Matter in Science Education informs practice from pre-school through graduate school learning and teaching and aims to inspire progress in science education. The expert contributors offer a range of reviews and critical analyses of related literature and in-depth analysis of specific issues, as well as new research. Among the themes covered are learning progressions for teaching a particle model of matter, the mental models of both students and teachers of the particulate nature of matter, educational technology, chemical reactions and chemical phenomena, chemical structure and bonding, quantum chemistry and the history and philosophy of science relating to the particulate nature of matter. The book will benefit a wide audience including classroom practitioners and student teachers at every educational level, teacher educators and researchers in science education. "If gaining the precise meaning in particulate terms of what is solid, what is liquid, and that air is a gas, were that simple, we would not be confronted with another book which, while suggesting new approaches to teaching these topics, confirms they are still very difficult for students to learn". Peter Fensham, Emeritus Professor Monash University, Adjunct Professor QUT (from the foreword to this book)

ENHANCING INSTRUCTION WITH VISUAL MEDIA

UTILIZING VIDEO AND LECTURE CAPTURE

[IGI Global](#) "This book offers unique approaches for integrating visual media into an instructional environment by covering the impact media has on student learning and various visual options to use in the classroom"--Provided by publisher.

OPENING UP EDUCATION

THE COLLECTIVE ADVANCEMENT OF EDUCATION THROUGH OPEN TECHNOLOGY, OPEN CONTENT, AND OPEN KNOWLEDGE

[MIT Press](#) Online version of MIT Press book has brief overview of book's content and provides links to open access PDF version of ebook, as well as an iPaper version and a link to the MIT Press store for buying the print version. In this collection of essays the authors who are leaders in open education, explore the potential of open education to transform the economics and ecology of education. The authors argue that we must develop not only the technical capability but also the intellectual capacity for transforming tacit pedagogical knowledge into commonly usable and visible knowledge by providing incentives for faculty to use (and contribute to) open education goods, and by looking beyond institutional boundaries to connect a variety of settings and open source entrepreneurs.

ARTHROPLASTY FOR THE TREATMENT OF FRACTURES IN THE OLDER PATIENT

INDICATIONS AND CURRENT TECHNIQUES

[Springer](#) Focusing exclusively on the older patient with poor bone quality, this unique book presents the indications, contraindications and common techniques - as well as the risks, benefits and outcomes - for utilizing arthroplasty for the treatment of fractures in this population, sensibly divided into four thematic sections. The incidence and burden of fragility fractures is presented in part one, with considerations of the influences of osteoporosis on both treatment and healing. The subsequent three sections cover upper extremity fractures, lower extremity fractures, and peri-articular nonunions, respectively. However, far from providing a simple "how-to" for the techniques discussed, the relevant current literature is presented as well as the common techniques employed in fracture management, allowing the reader to select the best approach for the specific patient presentation. In addition, chapters are included here that cover degenerative joint conditions not typically treated with total joint replacement. The treatment of fragility fractures is constantly evolving, and the aging population is consistently expanding, creating a strong need for clinicians who have experience with and exposure to the use of arthroplasty techniques as an option in their successful treatment. Written and edited by leaders in the field, Arthroplasty for the Treatment of Fractures in the Older Patient is an invaluable resource for orthopedic surgeons, residents and support staff who see and treat these increasingly common injuries.

HYPOTHALAMIC INTEGRATION OF ENERGY METABOLISM

[Elsevier](#) The prevalence of obesity in developed countries is fast becoming a health issue on par with infectious diseases and malnutrition. Research in this area has grown substantially and includes the neurochemical pathways of the hypothalamus and its role in regulating energy expenditures in the body. This volume in the Progress in Brain Research series examines the emerging role of the hypothalamus as a crucial link between the sensing of nutrients and the control of insulin sensitivity, glucose uptake, and glucose production, the integrative role of the hypothalamus

in thyroid and bone metabolism, the interaction between circadian information and energy metabolism, and the important interplay between the immune system and energy metabolism. · All contributors are recognized experts in their respective specialities · Provides expanded coverage of hypothalamic mechanisms involved in energy metabolism · Includes many outstanding full-colour illustrations · Contains special sections on circadian rhythms, immune system, thyroid and bone metabolism

THE GREAT CATALYST

EUROPEAN UNION PROJECT AND LESSONS FROM GREECE AND TURKEY

[Lexington Books](#) This book examines the ways by which the European Union impacts economic and political processes in its member and candidate countries. Positive Turkish and negative Greek experiences suggest that the EU functions as a powerful catalyst of political and economic change, if towards various ends.

MEASUREMENT TECHNIQUES IN SPACE PLASMAS

PARTICLES

[American Geophysical Union](#) Published by the American Geophysical Union as part of the Geophysical Monograph Series, Volume 102. Space plasma measurements are conducted in a hostile, remote environment. The art and science of measurements gathered in space depend therefore on unique instrument designs and fabrication methods to an extent perhaps unprecedented in experimental physics. In-situ measurement of space plasmas constitutes an expensive, unforgiving, and highly visible form of scientific endeavor.

SOCIAL DETERMINANTS OF HEALTH

AN INTERDISCIPLINARY APPROACH TO SOCIAL INEQUALITY AND WELLBEING

[Policy Press](#) Policy makers and medical professionals are becoming increasingly aware that health is determined by a number of factors, many of them social. This book takes an interdisciplinary approach to understanding the social determinants of health, analyzing the spectrum of socioeconomic and cultural factors that play a role in health outcomes. Drawing on experts from a wide range of fields, and bringing together academics and practitioners, Social Determinants of Health will enable researchers, policy makers, and front-line medical and social service personnel to identify and employ the most appropriate interventions to support people whose position on the margins of society puts their health at risk.

BIOETHICS

A NURSING PERSPECTIVE

[Elsevier Health Sciences](#) Bioethics

FREQUENCY MODULATION ENGINEERING

Modulation, Demodulation, Amplitude (Schwingungstechnik).

EXPLORATION OF HALLEY'S COMET

[Springer Science & Business Media](#) The 1985/86 apparition of Halley's Comet turned out to be the most important apparition of a comet ever. It provided a worldwide science community with a wealth of exciting new discoveries, the most remarkable of which was undoubtedly the first image of a cometary nucleus. Halley's Comet is the brightest periodic comet, and the most famous of the 750 known comets. With its 76-year period, its recent appearance was truly a "once-in-a-lifetime" observational opportunity. The 1985/86 apparition was the thirtieth consecutive recorded apparition. Five apparitions ago, the English astronomer Edmond Halley discovered the periodicity of "his" comet and correctly predicted its return in 1758, a triumph for science best appreciated in the context of contemporary views, or rather fears, about comets at that time. The increasingly rapid progress in technological development is very much apparent when one compares the dominant tools for cometary research during Halley's next three apparitions: in 1835 studies were made based on drawings of the comet; in 1910 photographic plates were used; while in March 1986 an armada of six spacecraft from four space agencies approached the comet and carried out in situ measurements, 1 AU from the Earth. In 1910, nobody could have dreamed that this was possible, and today it is equally difficult to anticipate what scientists will be able to achieve in 2061.

EUROPEAN HIGHER EDUCATION POLICY AND THE SOCIAL DIMENSION

A COMPARATIVE STUDY OF THE BOLOGNA PROCESS

[Springer](#) The Bologna Process has significantly shaped recent higher education policies across Europe but the impact of the social dimension has been neglected. This book provides an overview of the major Bologna reforms and through a cross-country comparative study discusses whether this social aspect can ever successfully be incorporated into policy.

ETHICS, SOCIAL RESPONSIBILITY AND SUSTAINABILITY IN MARKETING

Springer This book addresses the rising concept of 21st century societal marketing which entails that marketers should fulfill the needs of their target group in ways that enhance the well-being of a society as a whole. In the past, social responsibility and corporate ethics may not have been the key elements of corporate and business strategy. However, in the last decade the picture has changed dramatically. Consumers are more concerned about ethical issues and the effects of business activities on the environment and the society. The impact and importance of ethical consumerism is escalating. The consumers are more attentive and expect companies promote their ethical credentials in order to make them more accountable of their actions. This book also reveals how companies should realize that corporate social responsibility (CSR) is not an illustration of corporate altruism but a source of opportunity, and competitive advantage. Finding and following social initiatives as a part of the key business model is proved to be one of the competitive strengths in many instances. This book covers different issues related to ethics, social responsibility and sustainability in marketing and presents different cases and applications from different countries. Together with the best practices, each case and research is expected to shed light on how to improve the role of marketing in helping to the development and well-being of the society.

HANDBOOK OF RESEARCH ON TRANSFORMATIVE DIGITAL CONTENT AND LEARNING TECHNOLOGIES

IGI Global Technology is constantly evolving and can now aid society with the quest for knowledge in education systems. It is important to integrate the most recent technological advances into curriculums and classrooms, so the learning process can evolve just as technology has done. The Handbook of Research on Transformative Digital Content and Learning Technologies provides fresh insight into the most recent advancements and issues regarding educational technologies in contemporary classroom environments. Featuring detailed coverage on a variety of topics, such as mobile technology integration, ICT literacy integration, digital wellness, online group counseling, and distance learning, this publication will appeal to researchers and practitioners who are interested in discovering more about technological integration in education.

ION BEAM THERAPY

FUNDAMENTALS, TECHNOLOGY, CLINICAL APPLICATIONS

Springer Science & Business Media The book provides a detailed, up-to-date account of the basics, the technology, and the clinical use of ion beams for radiation therapy. Theoretical background, technical components, and patient treatment schemes are delineated by the leading experts that helped to develop this field from a research niche to its current highly sophisticated and powerful clinical treatment level used to the benefit of cancer patients worldwide. Rather than being a side-by-side collection of articles, this book consists of related chapters. It is a common achievement by 76 experts from around the world. Their expertise reflects the diversity of the field with radiation therapy, medical and accelerator physics, radiobiology, computer science, engineering, and health economics. The book addresses a similarly broad audience ranging from professionals that need to know more about this novel treatment modality or consider to enter the field of ion beam therapy as a researcher. However, it is also written for the interested public and for patients who might want to learn about this treatment option.

PROTOSTARS AND PLANETS V

University of Arizona Press 'Protostars and Planets V' builds on the latest results from recent advances in ground and space-based astronomy and in numerical computing techniques to offer the most detailed and up-to-date picture of star and planet formation - including the formation and early evolution of our own solar system.

MEMORY SYSTEMS OF THE ADDICTED BRAIN: THE UNDERESTIMATED ROLE OF DRUG-INDUCED COGNITIVE BIASES IN ADDICTION AND ITS TREATMENT

Frontiers Media SA Drug addiction may be viewed as a form of learning during which strong associations linking actions to drug-seeking are expressed as persistent stimulus-response habits, thereby maintaining a vulnerability to relapse. Disrupting cue-drug memory could be an efficient strategy to reduce the strength of cues in motivating drug-taking behavior. Upon reactivation, these memories undergo a reconsolidation process that can be blocked pharmacologically, providing an opportunity to prevent the powerful control of drug cues on behavior. This conceptually elegant approach still calls for more experimental data. However, an increasing body of evidence suggests that drug taking not only accelerates habit forming, but has long-lasting effects on interactions between memory systems eventually leading to a functional imbalance. The dorsal part of the striatum plays a critical role in habit/procedural learning, whereas the hippocampal memory system encodes relationships between events and their later flexible use. Both humans and rodents studies support the view that the hippocampus and the dorsal striatum interact in either a cooperative or competitive manner during learning, the prefrontal cortex being involved in the selection of an appropriate learning strategy. Chronic drug consumption biases normal interactions between these memory systems. For instance, drug-experienced rodents tend to use preferentially striatum-dependent learning strategies in navigational tasks. These persistent effects seem to occur at cellular, neurophysiological and behavioral levels to promote specific, striatal-dependent forms of learning, to the detriment of spatial/declarative, hippocampal-dependent and more flexible types of memory. Whether cue sensitive and response learners, in contrast to spatial learners, could be prone to drug addiction is an intriguing hypothesis which clearly deserves to be further explored. A loss of flexibility may be uncovered also by imposing changing rules on the subject, such as requiring an attentional

shift between different perceptual features of a complex stimulus, as in the attentional set shifting task which was recently adapted to rodents. Working memory is at risk during transition phases, although it remains to be determined whether withdrawal-induced alterations are observed also during protracted abstinence. Drug-induced cognitive biases thus lead to cognitive rigidity which could play a critical, yet overlooked role in different phases of addiction (acquisition, extinction/withdrawal and relapse). They are also likely to preclude the clinical efficiency of treatments. Therefore, the aim of this research topic is to provide an overview of the current work investigating the long-term impact of drug use on learning and memory processes, how multiple memory systems modulate drug-seeking behavior, as well as how drug-induced cognitive biases could contribute to the persistence of addictive behaviors.

CASES ON ACTIVE BLENDED LEARNING IN HIGHER EDUCATION

IGI Global Active blended learning (ABL) is a pedagogical approach that combines sensemaking activities with focused interactions in appropriate learning settings. ABL has become a great learning tool as it is easily accessible online, with digitally rich environments, close peer and tutor interactions, and accommodations per individual learner needs. It encompasses a variety of concepts, methods, and techniques, such as collaborative learning, experiential learning, problem-based learning, team-based learning, and flipped classrooms. ABL is a tool used by educators to develop learner autonomy, engaging students in knowledge construction, reflection, and critique. In the current educational climate, there is a strong case for the implementation of ABL. *Cases on Active Blended Learning in Higher Education* explores strategies and methods to implement ABL in higher education. It will provide insights into teaching practice by describing the experiences and reflections of academics from around the world. The chapters analyze enablers, barriers to engagement, outcomes, implications, and recommendations to benefit from ABL in different contexts, as well as associated concepts and models. While highlighting topics such as personalized university courses, remote service learning, team-based learning, and universal design, this book is ideal for in-service and preservice teachers, administrators, instructional designers, teacher educators, practitioners, researchers, academicians, and students interested in pedagogical approaches aligned to ABL and how this works in higher education institutions.

KNOWLEDGE SHARING THROUGH TECHNOLOGY

8TH INTERNATIONAL CONFERENCE ON INFORMATION AND COMMUNICATION TECHNOLOGY IN TEACHING AND LEARNING, ICT 2013, HONG KONG, CHINA, JULY 10-11, 2013

Springer This book constitutes the thoroughly revised selected papers of the 8th International Conference on Information and Communication Technology in Teaching and Learning, ICT 2013, held in Hong Kong, China, in July 2013. The 21 revised papers presented were carefully reviewed and selected from various submissions. The papers are organized in topical sections such as management and application of open education resources, application of ICT in support of knowledge sharing, application of mobile devices and social media to knowledge sharing, knowledge sharing for teaching and learning.

EMERGENCY MANAGEMENT OF THE HI-TECH PATIENT IN ACUTE AND CRITICAL CARE

John Wiley & Sons **EMERGENCY MANAGEMENT OF THE HI-TECH PATIENT IN ACUTE AND CRITICAL CARE** Emergency Management of the Hi-Tech Patient in Acute and Critical Care helps practitioners stabilize and care for pediatric and adult patients who have specialized medical devices such as prosthetic valves, cochlear transplants, insulin pumps, orthopedic hardware, and ventriculoperitoneal (VP) shunts. Using a step-by-step approach to acute presentations of patients with clinical hardware, this concise yet comprehensive guide provides specific instructions for the initial evaluation and management of numerous clinical scenarios including device malfunctions, infections, trauma, surgical complications, and more. Encompassing management of both the patient and the device, the guide enables emergency and critical care clinicians to rapidly make appropriate treatment decisions without the immediate need for extensive research, extended discussions with subspecialists, or recalling complex diagnostic and therapeutic algorithms. Clear, concise, and easy-to-follow chapters—written by a panel of highly experienced experts across specialties—include numerous algorithms, figures, tables, diagrams, and color illustrations and clinical images. An invaluable resource for improving the quality of care for the unique hi-tech patient population, this advanced practical manual: Provides algorithms for the most common clinical scenarios of device malfunction and related complications Covers management of patients who have undergone major operations such as organ transplantation or complex congenital heart disease repair Presents detailed management plans for a wide range of hardware types and medical conditions Offers expert guidance to practitioners in settings where not all specialties are readily available, such as rural and remote areas or community hospitals Features contributions from a team of experts in various areas of adult and pediatric emergency and critical care medicine *Emergency Management of the Hi-Tech Patient in Acute and Critical Care* is a must-have clinical reference and guide for pediatric and adult emergency medicine physicians, general pediatricians, internists, general practitioners, critical care specialists, and allied health practitioners.

EUROPEAN PERSPECTIVES ON INCLUSIVE EDUCATION IN CANADA

CRITICAL COMPARATIVE INSIGHTS

Routledge Featuring leading voices in the field from across Canada and Europe, this edited collection offers empirical analyses of the historical, social, cultural, and legislative determinants of inclusive education in Canadian schools. Covering four thematic areas including the structure, culture, and practices of inclusive education, the volume offers

comparative insights from a European perspective, engaging critically with widely held views of Canada as a world leader in inclusive education. Providing rich comparisons with educational systems in Germany, Spain, and Finland, chapters explore in-depth the assessment structures and curricula specific to Canada, as well as educational policy, and explore attitudes and practices in relation to diverse student populations, including refugee and indigenous peoples, and students with special educational needs. This volume will benefit researchers, academics, and educators with an interest in multicultural education, international and comparative education, as well as educational policy more specifically. Those involved with inclusion and special educational needs will also benefit from this volume.

MENTAL HEALTH NURSING

APPLYING THEORY TO PRACTICE

[Cengage AU](#) **Mental Health Nursing: Applying Theory to Practice** is a new Australian text combining a theoretical approach to mental health nursing with clinical reasoning and a practical framework for real-life nursing situations. Ideal for both clinical and theory mental health course units, the text was developed with input from consumers and clinicians, and includes the clinical manifestations, impacts, treatment and management of persons suffering from mental illness. Chapters on suicide and self-harm, and Mental Health First Aid provide detailed coverage of these contemporary mental health issues, while a chapter on mental state examination (MSE) comprehensively explores MSE in a style similar to a traditional psychiatry text and in the context of many different mental health conditions, giving students multiple perspectives of presentations. Critical thinking and review questions challenge students to apply theory to practice, and pharmacology is discussed in each disorder-chapter, helping students to contextualise their learning. With coverage of the Mental Health Act (2014), and criteria from the Diagnostic and Statistical Manual of Mental Disorders, Fifth Edition (DSM-5) integrated throughout, the text equips students with a working understanding of major mental health disorders, and the ability to work practically when engaging with persons suffering from mental illness. New, print versions of this book come with bonus online study tools on the CourseMate Express and Search Me! Nursing platforms.

CHILDREN AND PEACE

FROM RESEARCH TO ACTION

[Springer Nature](#) This open access book brings together discourse on children and peace from the 15th International Symposium on the Contributions of Psychology to Peace, covering issues pertinent to children and peace and approaches to making their world safer, fairer and more sustainable. The book is divided into nine sections that examine traditional themes (social construction and deconstruction of diversity, intergenerational transitions and memories of war, and multiculturalism), as well as contemporary issues such as Europe's "migration crisis", radicalization and violent extremism, and violence in families, schools and communities. Chapters contextualize each issue within specific social ecological frameworks in order to reflect on the multiplicity of influences that affect different outcomes and to discuss how the findings can be applied in different contexts. The volume also provides solutions and hope through its focus on youth empowerment and peacebuilding programs for children and families. This forward-thinking volume offers a multitude of views, approaches, and strategies for research and activism drawn from peace psychology scholars and United Nations researchers and practitioners. This book's multi-layered emphasis on context, structural determinants of peace and conflict, and use of research for action towards social cohesion for children and youth has not been brought together in other peace psychology literature to the same extent. **Children and Peace: From Research to Action** will be a useful resource for peace psychology academics and students, as well as social and developmental psychology academics and students, peace and development practitioners and activists, policy makers who need to make decisions about the matters covered in the book, child rights advocates and members of multilateral organizations such as the UN.

NURSING ETHICS

[Jones & Bartlett Learning](#) The fifth edition of **Nursing Ethics** has been revised to reflect the most current issues in healthcare ethics including new cases, laws, and policies. The text continues to be divided into three sections: **Foundational Theories, Concepts and Professional Issues; Moving Into Ethics Across the Lifespan; and Ethics Related to Special Issues** focused on specific populations and nursing roles.

THE SAGE HANDBOOK OF INCLUSION AND DIVERSITY IN EDUCATION

[SAGE](#) This handbook examines policy and practice from around the world with respect to broadly conceived notions of inclusion and diversity within education. It sets out to provide a critical and comprehensive overview of current thinking and debate around aspects such as inclusive education rights, philosophy, context, policy, systems, and practices for a global audience. This makes it an ideal text for researchers and those involved in policy-making, as well as those teaching in classrooms today. Chapters are separated across three key parts: **Part I: Conceptualizations and Possibilities of Inclusion and Diversity in Education Part II: Inclusion and Diversity in Educational Practices, Policies, and Systems Part III: Inclusion and Diversity in Global and Local Educational Contexts**

MAXIMUM WILLPOWER

HOW TO MASTER THE NEW SCIENCE OF SELF-CONTROL

[Pan Macmillan](#) **Willpower** - the ability to control your attention, emotions, appetites and behaviour - influences your physical health, financial security, the quality of your relationships and your professional success. We all know this. But why is it so hard to control and why, sometimes, do we have so little of it? **Maximum Willpower** brings together the newest insights about self-control from psychology, economics, neuroscience and medicine, explaining how we can break old habits and create healthy habits, conquer procrastination and manage stress and emotions. Discover why we give in to temptation and how we can find the strength to resist. By understanding the limits of willpower you can prioritize goals, make conscious choices, change old habits and give up the pursuit of perfection. This book focuses on strategies that can help you transcend limitations, strengthen self-control and escape the grip of chronic stress and procrastination. Whether you are trying to break a habit, improve your health, or find your focus, this book will change the way you think about willpower and help you make real and lasting changes in your life.

WEARABLE SENSORS

FUNDAMENTALS, IMPLEMENTATION AND APPLICATIONS

[Elsevier](#) Written by industry experts, this book aims to provide you with an understanding of how to design and work with wearable sensors. Together these insights provide the first single source of information on wearable sensors that would be a valuable addition to the library of any engineer interested in this field. **Wearable Sensors** covers a wide variety of topics associated with the development and application of various wearable sensors. It also provides an overview and coherent summary of many aspects of current wearable sensor technology. Both industry professionals and academic researchers will benefit from this comprehensive reference which contains the most up-to-date information on the advancement of lightweight hardware, energy harvesting, signal processing, and wireless communications and networks. Practical problems with smart fabrics, biomonitoring and health informatics are all addressed, plus end user centric design, ethical and safety issues. Provides the first comprehensive resource of all currently used wearable devices in an accessible and structured manner. Helps engineers manufacture wearable devices with information on current technologies, with a focus on end user needs and recycling requirements. Combines the expertise of professionals and academics in one practical and applied source.

DEVELOPMENTS IN DESIGN RESEARCH AND PRACTICE

BEST PAPERS FROM 10TH SENSES AND SENSIBILITY 2019: LOST IN (G)LOCALIZATION

[Springer Nature](#) This book reports on innovative research and practices in contemporary design, showing how to integrate different concepts and discussing the emerging role of design in different field, its meaning for humans and citizens, at both local and global level. Gathering the best papers from **Senses & Sensibility**, held in 2019 in Lisbon, Portugal, it highlights the role of design in fostering education, physical and social wellbeing, industrial innovation and cultural preservation, as well as inclusivity, sustainability and communication in a global, digital world.

MEDIATION LAW AND PRACTICE

[Cambridge University Press](#) **Mediation Law and Practice** gives a thorough account of the practice of mediation from the perspective of the student and practitioner. Divided into two parts, it deals with both the practice of mediation and the law surrounding mediation. Touching on the theory and philosophy behind the practice, it further describes in a theoretical and practical sense the difference between the emerging models of mediation. Mediator qualities are discussed in terms of issues of gender, culture and power. This book examines the important issue of mediation ethics and, taking into account the developing law surrounding the practice, proposes a code of ethics. It looks at the future of mediation in light of the decline in litigation, the rise in regulatory constraints on mediation and the popularity of online mediation. **Mediation Law and Practice** provides students and practitioners with the complete text on the practice and law surrounding mediation.

BIOMEDICAL IMAGING

THE CHEMISTRY OF LABELS, PROBES AND CONTRAST AGENTS

[Royal Society of Chemistry](#) The focus of this new book is for medicinal chemists on the chemical agents that have been used, or might be required in the future, and the methods of synthesis for inserting the reporter groups. Medicinal chemists need to know the critical issues involved in using such chemical agents with regard to the biological applications - for instance - what properties are needed chemically and why? The topics covered in the book are: PET, SPECT, contrast agents, radioimaging/radionuclide conjugates, receptor mapping, small animal imaging (eg. WBAR - whole body autoradiography); photoinduced labelling, as well as chapters on the physical techniques used including: NMR, mass spectrometry and Xray. A key reference for academics, postgraduates, researchers, industrialists and professionals working in or joining this field.

EMOTION REGULATION AT SCHOOL

PROACTIVE COPING, ACHIEVEMENT GOALS, AND SCHOOL CONTEXT IN EXPLAINING ADOLESCENTS' WELL-

BEING AND SCHOOL SUCCESS

Herbert Utz Verlag

HYBRID LEARNING THEORY AND PRACTICE

7TH INTERNATIONAL CONFERENCE, ICHL 2014, SHANGHAI, CHINA, AUGUST 8-10, 2014. PROCEEDINGS

Springer This book constitutes the refereed proceedings of the 7th International Conference on Hybrid Learning, ICHL 2014, held in Shanghai, China, in August 2014. The 31 papers presented were carefully reviewed and selected from 90 submissions. The selected papers cover various aspects on hybrid learning, computer supported collaborative learning, experiences in hybrid learning, improved flexibility on learning processes and the pedagogical and psychological issues of hybrid learning.