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KEY=SYSTEM - GARNER RICHARDSON

COUNSELING ASSESSMENT AND EVALUATION

FUNDAMENTALS OF APPLIED PRACTICE

SAGE Publications Designed to help students learn how to assess clients, conduct treatment planning, and evaluate client outcomes, this practical book addresses specific CACREP competencies. Incorporating case studies and examples, authors Joshua C. Watson and Brandé Flamez provide foundational knowledge for sound formal and informal assessments, cover ethical and legal considerations in assessment, describe basic statistical concepts, highlight the domains in which assessments are commonly used (intelligence, aptitude, achievement, personality, career, etc.), and provide strategies for integrating assessment data when working with clients. Counseling Assessment and Evaluation is part of the SAGE Counseling and Professional Identity Series, which targets specific competencies identified by CACREP (Council for Accreditation of Counseling and Related Programs). To learn more about each text in the series, please visit www.sagepub.com/vip/cpiseries.

PSYCHOPATHOLOGY AMONG YOUTH IN THE 21ST CENTURY: EXAMINING INFLUENCES FROM CULTURE, SOCIETY AND TECHNOLOGY

Frontiers Media SA

GUIDE TO PSYCHOLOGICAL ASSESSMENT WITH HISPANICS

Springer Science & Business Media This book focuses on diversity, culture, and ethnicity as they relate to psychological assessment of Hispanics. It is a how-to guide for clinicians, researchers, and instructors working with Hispanic clients. Each chapter contains an overview of cultural considerations needed for assessing the Hispanic client followed by a specific exploration of the assessment measures available and the research that has been conducted on these measures with Hispanic participants. An exploration of the strengths and limitations of each assessment measure is included. Considering that ethnocultural minority individuals who are of Hispanic/Latino origin make up the largest ethnocultural minority group in the United States, guidelines for working with this population are a must. Given that a large subset of this percentage is composed of immigrants many of whom do not speak English or who have learned English as a second language, special considerations for effective psychological assessment are neccessary.This book fills a gap in the scientific literature by consolidating the research on psychological assessment with Hispanic samples into one comprehensive volume and providing simple recommendations for the psychological assessment of Hispanic clients. An exploration of the general psychological assessment domains (e.g., personality, intelligence) is included with references to research on the major assessment measures used in the field. A more specific exploration of psychodiagnostic assessment measures follows, including the assessment of mood disorders, anxiety disorders, sexual dysfunction, psychosis, etc. Several chapters are dedicated to specialized assessment, including neuropsychological assessment, forensic assessment, and school-based assessment, overall creating the most comprehensive, up-to-date, research-based compendium of psychological assessment measures for use with Hispanic clients.

HANDBOOK OF POLICE PSYCHOLOGY

Routledge The Handbook of Police Psychology represents the contributions of over thirty police psychologists, all experts in their field, on the core subject matters of police psychology. Police psychology is broadly defined as the application of psychological principles and methods to law enforcement. This growing area includes topics such as screening and hiring of police officers; conducting screening for special squads (e.g., SWAT); fitness-for-duty evaluations; investigations, hostage negotiations; training and consultation, and stress counseling, among others. The book examines the beginnings of police psychology and early influences on the profession such as experimental investigations of psychological testing on police attitude and performance. Influential figures in the field of police psychology are discussed, including the nation's first full-time police psychologist who served on the Los Angeles Police Department, and the first full-time police officer to earn a doctorate in psychology while still in uniform with the New York Police Department.

PERSONALITY, PERSONALITY DISORDER AND VIOLENCE

AN EVIDENCE BASED APPROACH

John Wiley and Sons Presents the evidence-base for links between personality traits,psychological functioning, personality disorder and violence - witha focus on assessment and treatment approaches that will helpclinicians to assess risk in this client group. An evidence-based examination of those personality traits andtypes of psychological functioning that may contribute topersonality disorder and violence- and the links that can be madebetween the two Each chapter tackles an area of personality or psychologicalfunctioning and includes a developmental perspective, discussion ofhow to gauge risk, and an outline of effective treatments Traits covered include impulsivity, aggressiveness, narcissismand the 'Big Five' - neuroticism, extraversion,openness, agreeableness and conscientiousness New for the prestigious Wiley Series in Forensic ClinicalPsychology, a market leader with more than 20,000 books inprint

PSYCHODYNAMIC DIAGNOSTIC MANUAL, SECOND EDITION

PDM-2

Guilford Publications Now completely revised (over 90% new), this is the authoritative diagnostic manual grounded in psychodynamic clinical models and theories. Explicitly oriented toward case formulation and treatment planning, PDM-2 offers practitioners an empirically based, clinically useful alternative or supplement to DSM and ICD categorical diagnoses. Leading international authorities systematically address personality functioning and psychological problems of infancy, childhood, adolescence, adulthood, and old age, including clear conceptualizations and illustrative case examples. Purchasers get access to a companion website where they can find additional case illustrations and download and print five reproducible PDM-derived rating scales in a convenient 8 1/2" x 11" size. New to This Edition *Significant revisions to all chapters, reflecting a decade of clinical, empirical, and methodological advances. *Chapter with extended case illustrations, including complete PDM profiles. *Separate section on older adults (the first classification system with a geriatric section). *Extensive treatment of psychotic conditions and the psychotic level of personality organization. *Greater attention to issues of culture and diversity, and to both the clinician's and patient's subjectivity. *Chapter on recommended assessment instruments, plus reproducible/downloadable diagnostic tools. *In-depth comparisons to DSM-5 and ICD-10-CM throughout. Sponsoring associations include the International Psychoanalytical Association, Division 39 of the American Psychological Association, the American Psychoanalytic Association, the International Association for Relational Psychoanalysis & Psychotherapy, the American Association for Psychoanalysis in Clinical Social Work, and five other organizations.

INFORMAL LEARNING

American Society for Training and Development Informal learning can pack quite a punch in terms of boosting workplace performance and efficiency. But what is it, and what can you do to promote informal learning in the workplace? According Bob Hoffman, informal learning is anything that is not recognizable as formal training and performance support, such as organized classes, workshops, individualized instruction, and job aids. In addition, it is just-in-time, contextual, individualized, personal, chunked, and limited in scope; in other words, it's exactly what you need at exactly the moment you need it. Informal Learning describes 13 modes of informal learning, including information gathering, help desk use, and mixed teams. Furthermore, this Infoline presents ways that you can evaluate and promote these modes to fit your organizational context.

ARTIFICIAL INTELLIGENCE-BASED INTERNET OF THINGS SYSTEMS

Springer Nature The book discusses the evolution of future generation technologies through Internet of Things (IoT) in the scope of Artificial Intelligence (AI). The main focus of this volume is to bring all the related technologies in a single platform, so that undergraduate and postgraduate students, researchers, academicians, and industry people can easily understand the AI algorithms, machine learning algorithms, and learning analytics in IoT-enabled technologies. This book uses data and network engineering and intelligent decision support system-by-design principles to design a reliable AI-enabled IoT ecosystem and to implement cyber-physical pervasive infrastructure solutions. This book brings together some of the top IoT-enabled AI experts throughout the world who contribute their knowledge regarding different IoT-based technology aspects.

THE DEVELOPMENT OF AN INTEGRATED PLANNING AND DECISION SUPPORT SYSTEM (IPDSS) FOR LAND CONSOLIDATION

Springer Science & Business Media This book provides an extensive review of three interrelated issues: land fragmentation, land consolidation, and land reallocation, and it presents in detail the theoretical background, design, development and application of a prototype integrated planning and decision support system for land consolidation. The system integrates geographic information systems (GIS) and artificial intelligence techniques including expert systems (ES) and genetic algorithms (GAs) with multi-criteria decision methods (MCDM), both multi-attribute (MADM) and multi-objective (MODM). The system is based on four modules for measuring land fragmentation; automatically generating alternative land redistribution plans; evaluating those plans; and automatically designing the land partitioning plan. The presented research provides a new scientific framework for land-consolidation planning both in terms of theory and practice, by presenting new findings and by developing better tools and methods embedded in an integrated GIS environment. It also makes a valuable contribution to the fields of GIS and spatial planning, as it provides new methods and ideas that could be applied to improve the former for the benefit of the latter in the context of planning support systems. "From the 1960s, ambitious research activities set out to observe regarding IT-support of the complex and time consuming redistribution processes within land consolidation – without any practically relevant results, until now. This scientific work is likely to close that gap. This distinguished publication is highly

recommended to land consolidation planning experts, researchers and academics alike." – Prof. Dr.-Ing. Joachim Thomas, Münster/ Germany "Planning support systems take new scientific tools based on GIS, optimisation and simulation and use these to inform the process of plan-making and policy. This book is one of the first to show how this can be consistently done and it is a triumph of demonstrating how such systems can be made operational. Essential reading for planners, analysts and GI scientists." – Prof. Michael Batty, University College London

BASICS OF STAND-UP TRAINING

TRAINING BASICS

American Society for Training and Development Learning doesn't just happen because information is poured into people's ears, especially not when the learners are adults. So there are a lot of things to think about and do to train effectively. This Infoline helps the trainer get through the process in a way that is manageable and easy to follow.

INTEGRATED MODEL OF DISTRIBUTED SYSTEMS

Springer In modern distributed systems, such as the Internet of Things or cloud computing, verifying their correctness is an essential aspect. This requires modeling approaches that reflect the natural characteristics of such systems: the locality of their components, autonomy of their decisions, and their asynchronous communication. However, most of the available verifiers are unrealistic because one or more of these features are not reflected. Accordingly, in this book we present an original formalism: the Integrated Distributed Systems Model (IMDS), which defines a system as two sets (states and messages), and a relation of the "actions" between these sets. The server view and the traveling agent's view of the system provide communication duality, while general temporal formulas for the IMDS allow automatic verification. The features that the model checks include: partial deadlock and partial termination, communication deadlock and resource deadlock. Automatic verification can support the rapid development of distributed systems. Further, on the basis of the IMDS, the Dedan tool for automatic verification of distributed systems has been developed.

INTEGRATED BUILDING INFORMATION MODELLING

Bentham Science Publishers Building information modelling (BIM) is a set of interacting policies, processes and technologies that generates a methodology to manage the essential building design and project data in digital format throughout the building's life cycle. BIM, makes explicit, the interdependency that exists between structure, architectural layout and mechanical, electrical and hydraulic services by technologically coupling project organizations together. Integrated Building Information Modelling is a handbook on BIM courses, standards and methods used in different regions (Including UK, Africa and Australia). 13 chapters outline essential information about integrated BIM practices such as the BIM in site layout plan, BIM in construction product management, building life cycle assessment, quantity surveying and BIM in hazardous gas monitoring projects while also presenting information about useful BIM tool and case studies. The book is a useful handbook for engineering management professionals and trainees involved in BIM practice.

COMPLETE DIGITAL MARKETING GUIDE BOOK FOR SEO, SOCIAL MEDIA & BRAND AWARENESS

DEFINITIVE & HIDDEN SECRETS OF DIGITAL MARKETING TO GROW YOUR BUSINESS

Publicancy Ltd A step by step guide to digital marketing. It highlights the crucial steps needed to start a digital business. It's a Complete Digital Marketing Guide Book for SEO, Social Media & Brand awareness. Learn Definitive & Hidden Secrets of Digital Marketing to grow your business know that the evolution of technology is constant in our society and unfolding at warp speed. Most, if not all, technology companies have their foot firmly on the accelerator. It's predicted that by 2020, multi-billions of dollars will have been put into the technology revolution. Where does Digital Marketing fit in? The answers to Digital Marketing include the following: Conversion Rate Optimization SEO (Search Engine Optimization) SMM (Social Media Marketing) Email Marketing Internet Reputation Management Blogging Utilizing this digital marketing guide will allow you to apply the knowledge and greatly increase the success of your website & brand.

MIXED INTELLIGENT SYSTEMS

DEVELOPING MODELS FOR PROJECT MANAGEMENT AND EVALUATION

Springer Correctly functioning evaluation systems directly influence the efficient and effective planning and implementation of projects and the achievement of organisational objectives. This book critically analyses the results of research dedicated to mixed intelligent systems for project evaluation, taking into account the current state of knowledge in the field of project management. It argues for the need to move away from classical concepts and deploy interdisciplinary research methods in the development of comprehensive project evaluation systems. Considering contemporary issues relating to project evaluation, the author deals with both quantitative and qualitative evaluation methods and the problems surrounding systems that integrate them, before discussing the process of modelling mixed intelligent systems. Mixed Intelligent Systems makes a thought-provoking case for harnessing interdisciplinary methods and new ideas in project management research when developing evaluation systems.

REASONING IN EVENT-BASED DISTRIBUTED SYSTEMS

Springer With the rapid expansion of the Internet over the last 20 years, event-based distributed systems are playing an increasingly important role in a broad range of application domains, including enterprise management, environmental monitoring, information dissemination, finance, pervasive systems, autonomic computing, collaborative working and learning, and geo-spatial systems. Many different architectures, languages and technologies are being used for implementing event-based distributed systems, and much of the development has been undertaken independently by different communities. However, a common factor is an ever-increasing complexity. Users and developers expect that such systems are able not only to handle large volumes of simple events but also to detect complex patterns of events that may be spatially distributed and may span significant periods of time. Intelligent and logic-based approaches provide sound foundations for addressing many of the research challenges faced and this book covers a broad range of recent advances, contributed by leading experts in the field. It presents a comprehensive view of reasoning in event-based distributed systems, bringing together reviews of the state-of-the art, new research contributions, and an extensive set of references. It will serve as a valuable resource for students, faculty and researchers as well as industry practitioners responsible for new systems development.

INTEGRATED GEOSPATIAL TECHNOLOGIES

A GUIDE TO GPS, GIS, AND DATA LOGGING

John Wiley & Sons Discusses the underlying theory of GPS and GIS without becoming overly technical. * Includes case studies presenting international experience and real-world applications. * Provides discussions of instrumentation and guidelines for selecting the right device for the job.

COMPREHENSIVE FUNCTIONAL VERIFICATION

THE COMPLETE INDUSTRY CYCLE

Morgan Kaufmann One of the biggest challenges in chip and system design is determining whether the hardware works correctly. That is the job of functional verification engineers and they are the audience for this comprehensive text from three top industry professionals. As designs increase in complexity, so has the value of verification engineers within the hardware design team. In fact, the need for skilled verification engineers has grown dramatically--functional verification now consumes between 40 and 70% of a project's labor, and about half its cost. Currently there are very few books on verification for engineers, and none that cover the subject as comprehensively as this text. A key strength of this book is that it describes the entire verification cycle and details each stage. The organization of the book follows the cycle, demonstrating how functional verification engages all aspects of the overall design effort and how individual cycle stages relate to the larger design process. Throughout the text, the authors leverage their 35 plus years experience in functional verification, providing examples and case studies, and focusing on the skills, methods, and tools needed to complete each verification task. Comprehensive overview of the complete verification cycle Combines industry experience with a strong emphasis on functional verification fundamentals Includes real-world case studies

A PRACTICAL GUIDE TO USING INTERNATIONAL HUMAN RIGHTS AND CRIMINAL LAW PROCEDURES

Edward Elgar Publishing This book is a practical, experience-based guide for advocates seeking remedies for human rights violations through the use of international institutions. Since 1948, when the United Nations adopted the Universal Declaration of Human Rights, mechanisms for addressing human rights violations have multiplied to include UN Charter based bodies, treaty-based organizations including the international criminal court, and regional institutions. Each mechanism has its own admissibility requirements: accreditation, timeliness of claims, and exhaustion of remedies. For practitioners, the maze of rules and institutions can be difficult to navigate. This book offers step-by-step approaches for maximizing the institutions' intended effect–promotion of human rights at all levels.

HIGHER EDUCATION SUPPORTING THE DIGITAL TRANSFORMATION OF HIGHER EDUCATION IN HUNGARY

OECD Publishing Digital technologies have transformed the way people interact, work and learn. The emergency transition to online teaching and learning necessitated by the coronavirus (COVID-19) pandemic has posed a serious challenge to instructional routines of higher education systems across OECD countries.

ECRM 2017 16TH EUROPEAN CONFERENCE ON RESEARCH METHODS IN BUSINESS AND MANAGEMENT

Academic Conferences and publishing limited

COMPREHENSIVE GEOGRAPHIC INFORMATION SYSTEMS

Elsevier Geographical Information Systems is a computer system used to capture, store, analyze and display information related to positions on the Earth's surface. It has the ability to show multiple types of information on multiple geographical locations in a single map, enabling users to assess patterns and relationships between different information points, a crucial component for multiple aspects of modern life and industry. This 3-volumes reference provides an up-to date account of this growing discipline through in-depth reviews authored by leading experts in the field. VOLUME EDITORS Thomas J. Cova The University of Utah, Salt Lake City, UT, United States Ming-Hsiang Tsou San Diego State University, San Diego, CA, United States Georg Bareth University of Cologne, Cologne, Germany Chunqiao

Song University of California, Los Angeles, CA, United States Yan Song University of North Carolina at Chapel Hill, Chapel Hill, NC, United States Kai Cao National University of Singapore, Singapore Elisabete A. Silva University of Cambridge, Cambridge, United Kingdom Covers a rapidly expanding discipline, providing readers with a detailed overview of all aspects of geographic information systems, principles and applications Emphasizes the practical, socioeconomic applications of GIS Provides readers with a reliable, one-stop comprehensive guide, saving them time in searching for the information they need from different sources

DEVELOPMENT AND INVESTIGATION OF NOVEL LOGIC-IN-MEMORY AND NONVOLATILE LOGIC CIRCUITS UTILIZING HAFNIUM OXIDE-BASED FERROELECTRIC FIELD-EFFECT TRANSISTORS

BoD – Books on Demand Not only conventional computer architectures, such as the von-Neumann architecture with its inevitable von-Neumann bottleneck, but likewise the emerging field of edge computing require to substantially decrease the spatial separation of logic and memory units to overcome power and latency shortages. The integration of logic operations into memory units (Logic-in-Memory), as well as memory elements into logic circuits (Nonvolatile Logic), promises to fulfill this request by combining high-speed with low-power operation. Ferroelectric field-effect transistors (FeFETs) based on hafnium oxide prove to be auspicious candidates for the memory elements in applications of that kind, as those nonvolatile memory elements are CMOS-compatible and likewise scalable. This work presents implementations that merge logic and memory by exploiting the natural capability of the FeFET to combine logic functionality (transistor) and memory ability (nonvolatility).

LIBRARIES IN THE TWENTY-FIRST CENTURY

CHARTING DIRECTIONS IN INFORMATION SERVICES

Elsevier Libraries in the Twenty-First Century brings together library educators and practitioners to provide a scholarly yet accessible overview of library and information management and the challenges that the twenty-first century offers the information profession. The papers in this collection illustrate the changing nature of the library as it evolves into its twenty-first century manifestation. The national libraries of Australia and New Zealand, for instance, have harnessed information and communication technologies to create institutions that are far more national, even democratic, in terms of delivery of service and sheer presence than their print-based predecessors. Aimed at practitioners and students alike, this publication covers specific types of library and information agencies, discusses specific aspects of library and information management and places developments in library and information services in a number of broad contexts: socio-economic, ethico-legal, historical and educational.

FORMAL ONTOLOGY IN INFORMATION SYSTEMS

PROCEEDINGS OF THE THIRD INTERNATIONAL CONFERENCE (FOIS-2004)

IOS Press Just as ontology developed over the centuries as part of philosophy, so in recent years ontology has become intertwined with the development of the information sciences. Researchers in such areas as artificial intelligence, formal and computational linguistics, biomedical informatics, conceptual modeling, knowledge engineering and information retrieval have come to realize that a solid foundation for their research calls for serious work in ontology, understood as a general theory of the types of entities and relations that make up their respective domains of inquiry. In all these areas, attention has started to focus on the content of information rather than on just the formats and languages in terms of which information is represented. A clear example of this development is provided by the many initiatives growing up around the project of the Semantic Web. And as the need for integrating research in these different fields arises, so does the realization that strong principles for building well-founded ontologies might provide significant advantages over ad hoc, case-based solutions. The tools of Formal Ontology address precisely these needs, but a real effort is required in order to apply such philosophical tools to the domain of Information Systems. Reciprocally, research in the information science raises specific ontological questions which call for further philosophical investigations.

SYMPOSIUM ON REAL-TIME AND HYBRID SYSTEMS

ESSAYS DEDICATED TO PROFESSOR CHAOCHEN ZHOU ON THE OCCASION OF HIS 80TH BIRTHDAY

Springer This volume is published in honor of Professor Chaochen Zhou's 80th birthday. The Festschrift contains 13 refereed papers by leading researchers who were among the participants of the celebratory conference in Changsha, China that took place in October 2017. The papers cover a broad spectrum of subjects related to Formal Methods for the development of computer systems. Topics include Probabilistic Programming, Concurrency, Quantum Computing, Domain Engineering, Real-time and Hybrid Systems, and Cloud Computing. Chaochen Zhou is internationally recognized for his own contributions and for the wide influence that he has had through his appointments in Oxford (UK) where he collaborated with Professor Tony Hoare, Lyngby (Denmark) where he worked with Professor Dines Bjørner, UNU-IIST (Macau) where he moved from being Principal Research Fellow to his appointed as Director of the Institute, as well as in Beijing. His book on the Duration Calculus (joint with Michael Hansen) made a seminal contribution to specifying and reasoning about real-time systems. Chaochen Zhou's contributions have been marked by his election as a member of the Chinese Academy of Sciences.

THE NONPROFIT MANAGER'S RESOURCE DIRECTORY

John Wiley & Sons A newly revised and updated edition of the ultimate resource fornonprofit managers If you're a nonprofit manager, you probably spend a good deal ofyour time tracking down hard-to-find answers to complicatedquestions. The Nonprofit Manager's Resource Directory, SecondEdition provides instant answers to all your questions concerningnonprofit-oriented product and service providers, Internet sites,funding sources, publications, support and advocacy groups, andmuch more. If you need help finding volunteers, understanding newlegislation, or writing grant proposals, help has arrived. Thisnew, updated edition features expanded coverage of important issuesand even more answers to all your nonprofit questions. Revised to keep vital information up to the minute, The NonprofitManager's Resource Directory, Second Edition: * Contains more than 2,000 detailed listings of both nonprofit andfor-profit resources, products, and services * Supplies complete details on everything from assistance andsupport groups to software vendors and Internet servers, managementconsultants to list marketers * Provides information on all kinds of free and low-cost productsavailable to nonprofits * Features an entirely new section on international issues * Plus: 10 bonus sections available only on CD-ROM The Nonprofit Manager's Resource Directory, Second Edition has theinformation you need to keep your nonprofit alive and well in thesechallenging times. Topics include: * Accountability and Ethics * Assessment and Evaluation * Financial Management * General Management * Governance * Human Resource Management * Information Technology * International Third Sector * Leadership * Legal Issues * Marketing and Communications * Nonprofit Sector Overview * Organizational Dynamics and Design * Philanthropy * Professional Development * Resource Development * Social Entrepreneurship * Strategic Planning * Volunteerism

INTEGRATED PLANNING OF HEAT FLOWS IN PRODUCTION SYSTEMS

Springer The book presents an integrated planning concept for heat flows in production systems comprising various short term and long term related models. Detailed explanations about the modeling and implementation of all relevant system elements such as generic and specific machines types, technical building services (TBS), production planning and control aspects, heat storage units and (waste) heat designs follow. Due to resulting amounts of data, the concept foresees system level appropriate indicators and visualizations for a facilitatedevaluation of the model results. An application procedure embeds and describes all models as well.Three exemplary application cases demonstrate the applicability, including the manufacturing of shafts for automotive transmissions, a cooling water system and an academic learning environment.

GENERAL SYSTEMOLOGY

TRANSDISCIPLINARITY FOR DISCOVERY, INSIGHT AND INNOVATION

Springer This book expands the foundations of general systems theory to enable progress beyond the rich heuristic practices available today. It establishes a foundational framework for the development of scientific transdisciplinary systems principles and shows how these can amplify the potential of individuals and teams working in multi-, inter- and transdisciplinary contexts or striving to translate their progress across disciplinary boundaries. Three general scientific systems principles are presented, and their relevance to the design, analysis, management and transformation of systems is explored. Applying lessons from the history and philosophy science, this book disambiguates key concepts of general systemology, clarifies the role of general systemology within the field of systemology, and explains how general systemology supports other forms of transdisciplinarity. These insights are used to develop new perspectives, strategies and tools for addressing long-standing challenges to the advancement and transdisciplinary application of general insights into the nature of complex systems. The material presented in this book includes comprehensive models of the structure of systemology as a disciplinary field, the structure and significance of the general systems worldview, and the role of general systemology as the heart of systems science, systems engineering and systems practice. It explains what a fully-fledged general theory of systems would look like, what its potential is, what routes are available to us to develop it further, and how to leverage the knowledge we have attained so far. Many examples and analogies show how general systemology has the potential to enable scientific discovery, insightful theory building, and practical innovation in all the disciplines as they study, design, nurture or transform complex systems. This book is essential reading for anyone wishing to master the concepts, terminology, models and strategies needed to make effective use of current systems knowledge and to engage in the further development of the philosophy, science, and practice of general systemology.

HANDBOOK OF SOCIAL INFLUENCES IN SCHOOL CONTEXTS

SOCIAL-EMOTIONAL, MOTIVATION, AND COGNITIVE OUTCOMES

Routledge The Handbook of Social Influences in School Contexts draws from a growing body of research on how and why various aspects of social relationships and contexts contribute to children's social and academic functioning within school settings. Comprised of the latest studies in developmental and educational psychology, this comprehensive volume is perfect for researchers and students of Educational Psychology. Beginning with the theoretical perspectives that guide research on social influences, this book presents foundational research before moving on to chapters on peer influence and teacher influence. Next, the book addresses ways in which the school context can influence school-related outcomes (including peer and teacher-student relationships) with specific attention to research in motivation and cognition. Within the chapters authors not only present current research but also explore best-practices, drawing in examples from the classroom. With chapters from leading experts in the field, The Handbook of Social Influences in School Contexts provides the first complete resource on this topic.

THE NATIONAL CURRICULUM IN ENGLAND (2020 UPDATE)

In this UPDATEDedition of the National Curriculum for Englandfor Key Stages 1 and 2, you will find full programmes of study for all 11 original primary subjectsplus three new subjects: Relationships Education; Relationships and Sex Education; and Health Education(to be taught in English schools in September 2020). The National Curriculum for England sets out the framework for the national

curriculum at key stages 1 and 2. This statutory guidance includes information about the school curriculum and the national curriculum the aims for the national curriculum statements on inclusion, and on pupils' competence in numeracy and maths, language and literacy across the school programmes of study for KS 1 and 2 for all the subjects that are taught at these key stages.

INTEGRATED INFORMATION AND COMPUTING SYSTEMS FOR NATURAL, SPATIAL, AND SOCIAL SCIENCES

IGI Global The 21st century has seen a number of advancements in technology, including the use of high performance computing. Computing resources are being used by the science and economy fields for data processing, simulation, and modeling. These innovations aid in the support of production, logistics, and mobility processes. Integrated Information and Computing Systems for Natural, Spatial, and Social Sciences covers a carefully selected spectrum of the most up to date issues, revealing the benefits, dynamism, potential, and challenges of information and computing system application scenarios and components from a wide spectrum of prominent disciplines. This comprehensive collection offers important guidance on the development stage of the universal solution to information and computing systems for researchers as well as industry decision makers and developers.

QUANTUM THEORY

A MATHEMATICAL APPROACH

Springer This book was inspired by the general observation that the great theories of modern physics are based on simple and transparent underlying mathematical structures – a fact not usually emphasized in standard physics textbooks – which makes it easy for mathematicians to understand their basic features. It is a textbook on quantum theory intended for advanced undergraduate or graduate students: mathematics students interested in modern physics, and physics students who are interested in the mathematical background of physics and are dissatisfied with the level of rigor in standard physics courses. More generally, it offers a valuable resource for all mathematicians interested in modern physics, and all physicists looking for a higher degree of mathematical precision with regard to the basic concepts in their field.

ABSTRACT STATE MACHINES, ALLOY, B, TLA, VDM, AND Z

6TH INTERNATIONAL CONFERENCE, ABZ 2018, SOUTHAMPTON, UK, JUNE 5–8, 2018, PROCEEDINGS

Springer This book constitutes the refereed proceedings of the 6th International Conference on Abstract State Machines, Alloy, B, TLA, VDM, and Z, ABZ 2016, held in Southampton, UK, in June 2018. The 20 full and 11 short papers presented in this volume were carefully reviewed and selected from 60 submissions. They record the latest research developments in state-based formal methods Abstract State Machines, Alloy, B, Circus, Event-B, TLS+, VDM and Z.

INTEGRATED NATURAL RESOURCE MANAGEMENT IN THE HIGHLANDS OF EASTERN AFRICA

FROM CONCEPT TO PRACTICE

Routledge This book documents a decade of research, methodological innovation, and lessons learned in an eco-regional research-for-development program operating in the eastern African highlands, the African Highlands Initiative (AHI). It does this through reflections of the protagonists themselves—AHI site teams and partners applying action research to development innovation as a means to enhance the impact of their research. The book summarizes the experiences of farmers, research and development workers and policy and decision-makers who have interacted within an innovation system with the common goal of implementing an integrated approach to natural resource management (NRM) in the humid highlands. This book demonstrates the crucial importance of "approach" in shaping the outcomes of research and development, and distils lessons learned on what works, where and why. It is enriched with examples and case studies from five benchmark sites in Ethiopia, Uganda, Kenya and Tanzania, whose variability provides the reader with an in-depth knowledge of the complexities of integrated NRM in agro-ecosystems that play an important role in the rural economy of the region. It is shown that the struggle to achieve sustainable agricultural development in challenging environments is a complex one, and can only be effectively achieved through combined efforts and commitment of individuals and institutions with complementary roles.

INTEGRATED INTELLIGENT SYSTEMS FOR ENGINEERING DESIGN

IOS Press "This book aims to describe recent findings and emerging techniques that use intelligent systems (particularly integrated and hybrid paradigms) in engineering design, and examples of applications. The goal is to take a snapshot of progress relating to research into systems for supporting design and to disseminate the way in which recent developments in integrated, knowledge-intensive, and computational AI techniques can improve and enhance such support. The selected articles provide an integrated, holistic perspective on this complex set of challenges and provide rigorous research results. The focus of this publication is on the integrated intelligent methodologies, frameworks and systems for supporting engineering design activities. The subject pushes the boundaries of the traditional topic of engineering design into new areas. The book is of interest to researchers, graduate students and practicing engineers involved in engineering design and applications using integrated intelligent techniques. In addition, managers and others can use it to obtain an overview of the subject, and gain a view about the applicability of this technology to their business. As AI and intelligent systems technologies are fast evolving, the editors hope that this book can serve as a useful insight to the readers on the state-of-the-art applications and developments of such techniques at the time of compilation."

THE REALITY OF AMERICAN ENERGY: THE HIDDEN COSTS OF ELECTRICITY POLICY

ABC-CLIO This book dispels common myths about electricity and electricity policy and reveals how government policies manipulate energy markets, create hidden costs, and may inflict a net harm on the American people and the environment. • Explores U.S. energy policy and explains the largely unknown impacts of policy decisions that are particularly relevant today given growing concerns surrounding climate change and increasing demand for action • Documents how idealistic desires to be "green" and to favor renewable energy over fossil fuels are rarely tempered by an understanding of the real-world tradeoffs that result from choosing one energy source over others • Identifies the direct impact of policies on electricity markets and especially on the affordability of electricity for U.S. consumers • Presents information that should be considered essential reading for policymakers charged with making informed, responsible decisions about our country's energy future as well as for anyone wanting to better understand why "green energy" may not always be the best option

CONTEMPORARY ISSUES IN INFORMATION SYSTEMS

A GLOBAL PERSPECTIVE

BoD – Books on Demand Information technology (IT) and information systems (IS) are crucial to our everyday lives. This book brings together a collection of research papers related to the application of IT and IS to address issues at national levels.The first section provides some introductory material relating to IS and future challenges facing IS. The second section considers several diverse applications of IT and IS, ranging from Internet voting to missing person investigations.This volume is suitable for both academics and IT practitioners working in the industry, government, or service-providing sectors.

THE RORSCHACH, BASIC FOUNDATIONS AND PRINCIPLES OF INTERPRETATION

John Wiley & Sons Incorporated This book serves as a basic introduction to the Rorschach inkblot test. This new edition reflects the new approaches to the administration, scoring, and interpretation of the Rorschach according to the Comprehensive System. (Midwest).

TRANSDISCIPLINARY ENGINEERING: A PARADIGM SHIFT

PROCEEDINGS OF THE 24TH ISPE INC. INTERNATIONAL CONFERENCE ON TRANSDISCIPLINARY ENGINEERING, JULY 10-14, 2017

IOS Press Concurrent Engineering is based on the concept that different phases of a product life cycle should be conducted concurrently and initiated as early as possible within the Product Creation Process (PCP). Its main goal is to increase the efficiency and effectiveness of the PCP and reduce errors in the later stages, and to incorporate considerations for the full lifecycle, through-life operations, and environmental issues of the product. It has become the substantive basic methodology in many industries, and the initial basic concepts have matured and become the foundation of many new ideas, methodologies, initiatives, approaches and tools. This book presents the proceedings of the 24th ISPE Inc. International Conference on Transdisciplinary (formerly: Concurrent) Engineering (TE 2017), held in Singapore, in July 2017. The 120 peer-reviewed papers in the book are divided into 16 sections: air transport and traffic operations and management; risk-aware supply chain intelligence; product innovation and marketing management; human factors in design; human engineering; design methods and tools; decision supporting tools and methods; concurrent engineering; knowledge-based engineering; collaborative engineering; engineering for sustainability; service design; digital manufacturing; design automation; artificial intelligence and data analytics; smart systems and the Internet of Things. The book provides a comprehensive overview of recent advances in transdisciplinary concurrent engineering research and applications, and will be of interest to researchers, design practitioners and educators working in the field.

BUSINESS PROCESS MANAGEMENT WORKSHOPS

BPM 2009 INTERNATIONAL WORKSHOPS, ULM, GERMANY, SEPTEMBER 7, 2009, REVISED PAPERS

Springer This book constitutes the thoroughly refereed post-workshop proceedings of eight international workshops held in Ulm, Germany, in conjunction with the 7th International Conference on Business Process Management, BPM 2009, in September 2009. The eight workshops were on Empirical Research in Business Process Management (ER-BPM 2009), Reference Modeling (RefMod 2009), Business Process Design (BPD 2009), Business Process Intelligence (BPI 2009), Collaborative Business Processes (CBP 2009), Process-Oriented Information Systems in Healthcare (ProHealth 2009), Business Process Management and Social Software (BPMS2 2009), Event-Driven Business Process Management (edBPM 2009). The 67 revised full papers presented were carefully reviewed and selected from numerous submissions.