

Ethical Leadership A Review And Future Directions

Future Directions in Digital Information **Energy Humanities. Current State and Future Directions** *Future Directions in Biocatalysis* *Future Directions of Strategic Communication* **Future Directions of Educational Change** **Intergroup Contact Theory** *Future Directions in Silicon Photonics* **Holocaust Archaeologies** *Demographic Differences in Organizations* **Future Directions in Well-Being** **Planning Theory** *The Study of Tourism* **Library Collaborations and Community Partnerships** *Digital Interventions in Mental Health: Current Status and Future Directions* *Care Work in Europe* **State-of-the-Art and Future Directions of Smart Learning** *Future Directions in Distance Learning and Communication Technologies* **Internet Studies** *Motivation and Self-regulation in Sport and Exercise* **Future Directions for the National Healthcare Quality and Disparities Reports** **Manufacturing Systems: Recent Progress and Future Directions** *Data Mining* **Internet Studies** **Factor Analysis at 100** **Assessment and Future Directions of Nonlinear Model Predictive Control** **The Chiropractic Profession** **Biological Control** **Prevention, Policy, and Public Health** **Libraries, Digital Information, and COVID** *XPS-99: Knowledge-Based Systems - Survey and Future Directions* **Current and Future Directions in Applied Mathematics** **Entrepreneurship Education** **Forensic Science** **Future Directions for Inclusive Teacher Education** **Nuclear Cardiology** *Cognitive Work Analysis* *Future Directions in Post-Traumatic Stress Disorder* **Savoring** **Bargaining** **Professional Capital**

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Libraries, Digital Information, and COVID Jun 04 2020 COVID-19 is profoundly affecting the ways in which we live, learn, plan, and develop. What does COVID-19 mean for the future of digital information use and delivery, and for more traditional forms of library provision? Libraries, Digital Information, and COVID gives immediate and long-term solutions for librarians responding to the challenge of COVID-19. The book helps library leaders prepare for a post-COVID-19 world, giving guidance on developing sustainable solutions. The need for sustainable digital access has now become acute, and while offering a physical space will remain important, current events are likely to trigger a shift toward off-site working and study, making online access to information more crucial. Libraries have already been providing access to digital information as a premium service. New forms and use of materials all serve to eliminate the need for direct contact in a physical space. Such spaces will come to be predicated on evolving systems of digital information, as critical needs are met by remote delivery of goods and services. Intensified financial pressure will also shape the future, with a reassessment of information and its commercial value. In response, there will be a massification of provision through increased cooperation and collaboration. These significant transitions are driving professionals to rethink and question their identities, values, and purpose. This book responds to these issues by examining the practicalities of running a library during and after the pandemic, answering questions such as: What do we know so far? How are institutions coping? Where are providers placing themselves on the digital/print and the remote/face-to-face continuums? This edited volume gives analysis and examples from around the globe on how libraries are managing to deliver access and services during COVID-19. This practical and thoughtful book provides a framework within which library directors and their staff can plan sustainable services and collections for an uncertain future. Focuses on the immediate practicalities of service provision under COVID-19 Considers longer-term strategic responses to emerging challenges Identifies key concerns and problems for librarians and library leaders Analyzes approaches to COVID-19 planning Presents and examines exemplars of best practice from around the world Offers practical models and a useful framework for the future

Future Directions in Post-Traumatic Stress Disorder Sep 27 2019 Ours is an era of increasing tension, both global and local. And not surprisingly, PTSD is recognized not only in combat veterans and active military personnel, but also disaster and assault survivors across the demographic spectrum. As current events from mass shootings to the debate over trigger warnings keep the issue in the public eye, the disorder remains a steady concern among researchers and practitioners. *Future Directions in Post-Traumatic Stress Disorder* presents findings and ideas with the potential to influence both our conceptualization of the condition and the techniques used to address it. A multidisciplinary panel of experts offers new analyses of risk and resilience factors, individual and group approaches to prevention, the evolving process of diagnosis, and effective treatment and delivery. Chapters on treatment allow readers to compare widely-used prolonged exposure and VR methods with innovative applications of cognitive processing therapy and interpersonal therapy. And an especially compelling contribution surveys empirically-based programs relating to what for many is the emblematic trauma of our time, the events of September 11, 2001. Included in the coverage: Predictors of vulnerability to PTSD: neurobiological and genetic risk factors. Early intervention: is prevention better than cure? The functional neuroanatomy of PTSD. The development of evidence-based treatment for PTSD. Enhancing exposure therapy using D-Cycloserine (DCS). PLUS: a case example as seen through five therapeutic perspectives. While millions experience trauma, relatively few develop chronic PTSD. *Future Directions in Post-Traumatic Stress Disorder* is a practical and proactive reference for the health and clinical psychologists, sociologists, psychiatrists, and primary care physicians dedicated to further decreasing those numbers.

Professional Capital Jun 24 2019 The future of learning depends absolutely on the future of teaching. In this latest and most important collaboration, Andy Hargreaves and Michael Fullan show how the quality of teaching is captured in a compelling new idea: the professional capital of every teacher working together in every school. Speaking out against policies that result in a teaching force that is inexperienced, inexpensive, and exhausted in short order, these two world authorities--who know teaching and leadership inside out--set out a groundbreaking new agenda to transform the future of teaching and public education. Ideas-driven, evidence-based, and strategically powerful, *Professional Capital* combats the tired arguments and stereotypes of teachers and teaching and shows us how to change them by demanding more of the teaching profession and more from the systems that support it. This is a book that no one connected with schools can afford to ignore. This book features: (1) a powerful and practical solution to what ails American schools; (2) Action guidelines for all groups--individual teachers, administrators, schools and districts, state and federal leaders; (3) a next-generation update of core themes from the authors' bestselling book, "What's Worth Fighting for in Your School?" [This book was co-published with the Ontario Principals' Council].

The Study of Tourism Nov 21 2021 Over the last two decades, tourism has become firmly established as a recognized field of study and the focus of extensive academic research. There has been continual expansion in the provision of taught programmes at undergraduate and postgraduate level, dramatic developments in the tourism literature and a growing community of tourism academics. Despite this explosion in the study of tourism, however, it is still struggling to achieve wider academic legitimacy, it remains to some extent divorced from the industry upon which it focuses and, even within its academic ranks, there remains uncertainty over its role and future direction. This volume aims to critically explore this paradoxical situation and to consider the future direction of the study of tourism. It charts the development of tourism as an area of study, analyzing approaches taken from an international context; it critiques contemporary epistemologies of tourism framed around the social science vs. management dichotomy and offers alternative approaches to the study of tourism. In doing so, it engages directly with a range of important academic debates: what tourism 'is' in an academic context, the purpose of studying tourism and how it should be studied in the future. This important and stimulating volume will have global appeal to higher level students, academics and researchers within tourism and related disciplines.

Internet Studies May 16 2021 This book considers the lessons learnt so far from the emergence of the Internet and the development of the field of Internet studies, whilst also considering possible directions for the future. Examining broad media theories and emerging theorisations around the Internet specifically, it explores the possibility of the development of an Internet theory in the future. A comprehensive overview of the field, *Internet Studies* considers key issues of social importance that the study of the Internet draws upon, such as the role of the Internet in civic participation and democratisation, the development of

virtual communities, digital divides and social inequality, as well as Internet governance and policy control. At the same time, it examines the role of the Internet in social research and the development of highly interdisciplinary and rapidly developing Internet research. Hence, this volume maps key areas of certainty and uncertainty in the field of Internet studies and, as such, it will be of interest to scholars and students of media and communication, sociology and social research methods.

Current and Future Directions in Applied Mathematics Apr 02 2020 In order to tackle complex problems in the applied sciences, there is an increased demand for interdisciplinary research between mathematicians and researchers working in engineering, the sciences, and business. The mathematical sciences are undergoing rapid changes and the boundaries between them and other disciplines are blurring. This volume contains survey articles and general thoughts and views on applied mathematics by the plenary speakers and panelists of a symposium on current and future directions in applied mathematics, which was held in the spring of 1996 at the University of Notre Dame.

Holocaust Archaeologies Mar 26 2022 *Holocaust Archaeologies: Approaches and Future Directions* aims to move archaeological research concerning the Holocaust forward through a discussion of the variety of the political, social, ethical and religious issues that surround investigations of this period and by considering how to address them. It considers the various reasons why archaeological investigations may take place and what issues will be brought to bear when fieldwork is suggested. It presents an interdisciplinary methodology in order to demonstrate how archaeology can (uniquely) contribute to the history of this period. Case examples are used throughout the book in order to contextualise prevalent themes and a variety of geographically and typologically diverse sites throughout Europe are discussed. This book challenges many of the widely held perceptions concerning the Holocaust, including the idea that it was solely an Eastern European phenomena centred on Auschwitz and the belief that other sites connected to it were largely destroyed or are well-known. The typologically, temporally and spatially diverse body of physical evidence pertaining to this period is presented and future possibilities for investigation of it are discussed. Finally, the volume concludes by discussing issues relating to the "re-presentation" of the Holocaust and the impact of this on commemoration, heritage management and education. This discussion is a timely one as we enter an age without survivors and questions are raised about how to educate future generations about these events in their absence.

Library Collaborations and Community Partnerships Oct 21 2021 *Library Collaborations and Community Partnerships* illustrates the value of libraries and their resources through an array of alliances to improve health and enhance people's lives. It is unique in its illustration of key principles of collaboration, partner engagement, shared leadership, project development and outcomes measurement, as well as the challenges inherent in collaborations among diverse partners. The book includes collaboration exemplars focused on education, health, information literacy and capacity building for populations that experience access and resource disparities. It highlights the innovative use of existing assets, environments and diverse professions to broaden access to resources and information to those in need. The strategies, challenges, outcomes and lessons learned that are described in the volume have application for a variety of settings and populations. Highlighting the key role that libraries play in guiding successful interprofessional collaborations with communities, *Library Collaborations and Community Partnerships* should be of interest to academics, students and professionals engaged in library and information science, education, health care, social services and community organizations.

Future Directions in Well-Being Jan 24 2022 This book is a collection of essays advancing the discourse in well-being science, authored by key thought leaders in positive psychology and its variants, including positive education, character education, and positive organizational scholarship. The authors address topics such as the next big ideas in well-being research and practice, potential strategies, as well as current gaps and limitations of the field. This book will be of particular interest for policy makers, educators and practitioners, as well as researchers.

Digital Interventions in Mental Health: Current Status and Future Directions Sep 19 2021

Internet Studies Dec 11 2020 A comprehensive overview of the field, *Internet Studies* considers key issues of social importance that the study of the Internet draws upon. At the same time, it examines the role of the Internet in social research and the development of highly interdisciplinary and rapidly developing Internet research. Hence, this volume maps out key areas of cert

State-of-the-Art and Future Directions of Smart Learning Jul 18 2021 This book provides an archival forum for researchers, academics, practitioners and industry professionals interested and/or engaged in reforming teaching and learning methods by transforming today's learning environments into smart learning environments. It will facilitate opportunities for discussions and constructive dialogue between various stakeholders on the limitations of current learning environments, the need for reform, innovative uses of emerging pedagogical approaches and technologies, and sharing and promoting best practices, which will lead to the evolution, design and implementation of smart learning environments. The focus of the contributions is on the interplay and fusion of pedagogy and technology to create these new environments. The components of this interplay include but are not limited to: Pedagogy: learning paradigms, assessment paradigms, social factors, policy Technology: emerging technologies, innovative uses of mature technologies, adoption, usability, standards, and emerging/new technological paradigms (open educational resources, cloud computing, etc.) Fusion of pedagogy and technology: transformation of curricula, transformation of teaching behavior, transformation of administration, best practices of infusion, piloting of new ideas.

Energy Humanities. Current State and Future Directions Oct 01 2022 This edited book explicitly deals with the energy humanities, summarising existing knowledge in the area and outlining possible future directions for the nascent field. Assuming a variety of disciplinary stances and using a plethora of methodologies to address a number of pressing energy-related issues, the individual contributions showcase the crucial importance of including the humanities and social sciences into the current discussion on energy. Furthermore, they illustrate one of the central claims of the energy humanities, namely, that energy permeates all aspects of our contemporary modes of existence, and is inextricably linked with historical, political, social, ideological, and cultural issues, relationships, and practices. Through numerous case studies, *Energy Humanities and Energy Transition* looks to the past, present, and future in search of examples of best practices and possible models for pathways to a successful energy transition and life 'after oil?'. While much of existing research on energy humanities has been criticised for its excessive focus on oil, this book considers a wide range of energy resources, including nuclear energy, renewables, and natural gas. Furthermore, it brings to the forefront under-researched topics such as the colonial legacy inscribed in energy infrastructure and the energy history of the humanities. The contributions in this volume explore not only how the perspectives and expertise of the humanities and social sciences can alter the discourse on energy transition, and our way of thinking about possible solutions and future scenarios, but also how their new focus on energy affects the disciplines themselves. *Energy Humanities and Energy Transition* presents a variety of theories, methods, topics, and disciplinary angles, meaning it will be of interest to a wide audience, from practitioners and policy makers, to students and researchers working across the humanities and social sciences. The thematically oriented structure, distinct focus of each individual chapter, and the comprehensive introduction and conclusion that contextualize the contributions within the wider framework of energy transition, make this edited book accessible to readers from many different fields and suitable for various university programs.

Future Directions in Biocatalysis Aug 31 2022 *Future Directions in Biocatalysis, Second Edition*, presents the future direction and latest research on how to utilize enzymes, i.e., natural catalysts, to make medicines and other necessities for humans. It emphasizes the most important and unique research on biocatalysis instead of simply detailing the ABC's on the topic. This book is an indispensable tool for new researchers in the field to help identify specific needs, start new projects that address current environmental concerns, and develop techniques based on green technology. It provides invaluable hints and clues for conducting new research on enzymes, with final sections outlining future directions in biocatalysis further expanding the science into new applications. Gives future directions in the area of biocatalysis research Presents research topics based on their uniqueness, originality, and novelty Includes many explanatory figures to demonstrate concepts to both organic chemists and biochemists Shows that there is no boundary between organic chemistry and biochemistry

Forensic Science Jan 30 2020 Co-published with the American Academy of Forensic Sciences, *Forensic Science* presents comprehensive international discussion of key issues and future directions within the forensic sciences. Written by accomplished and respected specialists in approximately eleven distinct areas of the forensic sciences, the volume will examine central issues within each discipline, provide perspective on current debate and explore current and proposed research initiatives. It will also provide the forensically involved international community with current in-depth perspective on the key issues in the contemporary practice of the forensic sciences.

Intergroup Contact Theory May 28 2022 Intergroup contact theory has been one of the most influential theories in social psychology since it was first formulated by Gordon Allport in 1954. This volume highlights, via a critical lens, the most notable recent developments in the field, demonstrating its vitality and its capacity for reinvention and integration with a variety of seemingly distinct research areas. In the last two decades, the research focus has been on the

variables that explain why contact improves intergroup attitudes and when the contact-prejudice relationship is stronger. Current research highlights that contact is not a panacea for prejudice, but it can represent a useful tool that can contribute to the improvement of intergroup relations. The book includes coverage of a number of previously under-researched fields, which extend the full potential of contact theory within the personality, acculturation and developmental domains. The chapters also examine the methodological advances in the field and the applied implications. The book offers a rich picture of the state of the field and future directions for research that will be invaluable to students and scholars working in social psychology and related disciplines. It aims to provide fertile ground for the development of new, exciting and dynamic research ideas in intergroup relations.

Future Directions in Digital Information Nov 02 2022 The last decade has seen significant global changes that have impacted the library, information, and learning services and sciences. There is now a mood to find pragmatic information solutions to pressing global challenges. Future Directions in Digital Information presents the latest ideas and approaches to digital information from across the globe, portraying a sense of transition from old to new. This title is a comprehensive, international take on key themes, advances, and trends in digital information, including the impact of developing technologies. The latest volume in the 'Chandos Digital Information Review Series', this book will help practitioners and thinkers looking to keep pace with, and excel among, the digital choices and pathways on offer, to develop new systems and models, and gain information on trends in the educational and industry contexts that make up the information sphere. A group of international contributors has been assembled to give their view on how information professionals and scientists are creating the future along five distinct themes: Strategy and Design; Who are the Users?: Where Formal meets Informal; Applications and Delivery; and finally, New Paradigms. The multinational perspectives contained in this volume acquaint readers with problems, approaches, and achievements in digital information from around the world, with equity of information access emerging as a key challenge. Presents a global perspective on how information science and services are changing and how they can best adapt Gives insight into how managers can make the best decisions about the future provision of their information services Engages key practical issues faced by information professionals such as how best to collect and deploy user data in libraries Presents digital literacy as a global theme, stressing the need to foster literacy in a broad range of contexts Interrogates how ready information professionals are for emergent technological and social change across the globe

Future Directions in Distance Learning and Communication Technologies Jun 16 2021 "This book summarizes theoretical studies and practical solutions for engineers, educational professionals, and graduate students in the research areas of e-learning, distance education, and instructional designs. Readers will find solutions and research directions in this interesting book"--Provided by publisher.

Care Work in Europe Aug 19 2021 This groundbreaking comparative study provides a cross-national and cross-sectoral study of care work in Europe today, covering policy, provision and practice. It provokes much-needed new thinking about the current situation and future direction of care work.

Data Mining Jan 12 2021 A state-of-the-art survey of recent advances in data mining or knowledge discovery. Data mining, or knowledge discovery, has become an indispensable technology for businesses and researchers in many fields. Drawing on work in such areas as statistics, machine learning, pattern recognition, databases, and high performance computing, data mining extracts useful information from the large data sets now available to industry and science. This collection surveys the most recent advances in the field and charts directions for future research. The first part looks at pervasive, distributed, and stream data mining, discussing topics that include distributed data mining algorithms for new application areas, several aspects of next-generation data mining systems and applications, and detection of recurrent patterns in digital media. The second part considers data mining, counter-terrorism, and privacy concerns, examining such topics as biosurveillance, marshalling evidence through data mining, and link discovery. The third part looks at scientific data mining; topics include mining temporally-varying phenomena, data sets using graphs, and spatial data mining. The last part considers web, semantics, and data mining, examining advances in text mining algorithms and software, semantic webs, and other subjects.

Demographic Differences in Organizations Feb 22 2022 Meticulously researched and authored by two respected scholars, this book addresses the problems and benefits associated with an increasingly diverse global workforce.

Future Directions in Silicon Photonics Apr 26 2022 Future Directions in Silicon Photonics, Volume 101 in the Semiconductors and Semimetals series, highlights new advances in the field, with this updated volume presenting the latest developments as discussed by esteemed leaders in the field silicon photonics. Provides the authority and expertise of leading contributors from an international board of authors Represents the latest release in the Semiconductors and Semimetals series Includes the latest information on Silicon Photonics

Future Directions for the National Healthcare Quality and Disparities Reports Mar 14 2021 As the United States devotes extensive resources to health care, evaluating how successfully the U.S. system delivers high-quality, high-value care in an equitable manner is essential. At the request of Congress, the Agency for Healthcare Research and Quality (AHRQ) annually produces the National Healthcare Quality Report (NHQR) and the National Healthcare Disparities Report (NHDR). The reports have revealed areas in which health care performance has improved over time, but they also have identified major shortcomings. After five years of producing the NHQR and NHDR, AHRQ asked the IOM for guidance on how to improve the next generation of reports. The IOM concludes that the NHQR and NHDR can be improved in ways that would make them more influential in promoting change in the health care system. In addition to being sources of data on past trends, the national healthcare reports can provide more detailed insights into current performance, establish the value of closing gaps in quality and equity, and project the time required to bridge those gaps at the current pace of improvement.

Biological Control Aug 07 2020 Biological Control: Global Impacts, Challenges and Future Directions of Pest Management provides a historical summary of organisms and main strategies used in biological control, as well as the key challenges confronting biological control in the 21st century. Biological control has been implemented for millennia, initially practised by growers moving beneficial species from one local area to another. Today, biological control has evolved into a formal science that provides ecosystem services to protect the environment and the resources used by humanity. With contributions from dedicated scientists and practitioners from around the world, this comprehensive book highlights important successes, failures and challenges in biological control efforts. It advocates that biological control must be viewed as a global endeavour and provides suggestions to move practices forward in a changing world. Biological Control is an invaluable resource for conservation specialists, pest management practitioners and those who research invasive species, as well as students studying pest management science.

Future Directions of Strategic Communication Jul 30 2022 This book examines the state of strategic communication as a discipline and how it has emerged as a unique area of scholarship in the beginning of the 21st century. Strategic communication encompasses all communication that is substantial for the survival and sustained success of entities like corporations, governments, non-profits, social movements, and celebrities. A major aspect of the field is the purposeful use of communication by an organization to engage in conversations of strategic significance to its goals. The contributions in this book provide unique insights, make compelling arguments, and highlight promising areas of scholarship in strategic communication. Presented in four parts, the chapters explore the emergence of strategic communication, its conceptual foundations, its expanding body of knowledge, and the foundation for further development and new directions in the field. Of interest to those studying communication from the perspectives of communication science, management theory, organizational studies, or business administration, this volume will also be useful for readers who are new to strategic communication, and who are interested in the field for its new avenues of research. This book was originally published as a special issue of the International Journal of Strategic Communication.

Future Directions for Inclusive Teacher Education Dec 31 2019 Are teachers ready for inclusion? What is appropriate teacher education? Traditional approaches to inclusive education focused on learners with disabilities. Modern approaches, however, conceptualise inclusion in terms of providing educational equity and equality of access for all students within the same regular school system. Future Directions for Inclusive Teacher Education provides a wealth of ideas about how to support teachers to become inclusive through the application of positive training approaches. Written by some of the most influential internationally acknowledged experts in teacher education for inclusion and highly experienced researchers, together the authors provide a plethora of ideas for teacher educators to ensure that their training is pertinent, accessible, and futures-orientated. This up to date and accessible book combines three key areas related to teacher education for inclusion, which provide: A review of what is happening across the globe by offering examples from different regions; Preparation for teachers to support learners with a range of diverse needs including disability, poverty, ethnicity, gender, cultural diversity, learning disabilities, Autism Spectrum Disorder, sensory impairments and those who are considered gifted and talented; A consideration of systemic approaches, policy, and partnerships, and how these can be better employed in the future. This highly topical text will support all teaching professionals, educational systems, and schools in their transformation of inclusive teacher education.

Planning Theory Dec 23 2021 Theory and practice in city planning have never been known for their compatibility. The planner, dealing with stresses such as the personalities at work in a board meeting and coping with the realities of fund raising, political realities, and the like, can find little guidance in the theory of

the trade. The issues of poverty groups, whether rural or urban, the provision of services, and the packaging of them are seemingly insuperable. The sheer frustration in the inability to deliver, which so many planners feel, can result in considerable impatience and a questioning of the relevance of theory. The editors argue that this state of affairs, though understandable, is unacceptable. While short-range meliorism without sense of perspective may be good for the practitioner's individual psyche, the cost may be borne by the long-run best interests of the groups to be served. The risks of a lack of perspective and the experiences generated by this phenomenon are too serious in their implications to permit the process to continue. In this new age of anxiety it is essential for both planners and theorists to understand their roles as well as provide guidance in shaping them. Burchell and Sternlieb have thus gathered here a variety of individuals, all of whom in their separate and distinct fashions are seasoned, both in practice and in theory. The book is divided into five sections: Physical Planning in Change, Social Planning in Change, Public Policy Planning in Change, Economic Planning in Change, and a final section detailing the roles of planners and who they are. These shared puzzlements and insights will prove useful to all practitioners and theorists in the planning field.

Motivation and Self-regulation in Sport and Exercise Apr 14 2021 The ability to effectively use one's thoughts, emotions and motivation to enhance performance and well-being is one of the most important skills in sport and exercise contexts. *Motivation and Self-Regulation in Sport and Exercise* explores the theories, research and processes that underpin these self-regulatory and motivational processes. A deeper understanding of motivation and self-regulation has far-reaching implications, from helping individuals to begin an active lifestyle, to seasoned athletes looking for a competitive edge. For the first time, the globally leading researchers in this research field come together to provide their unique, cutting-edge insight into how to exercise or perform more effectively. In doing so, the book provides new insight into established theories of motivation and self-regulation, but also breaks new ground by inspecting lesser-known or emerging paradigms. This book is intended for all scholars interested in self-regulation and motivation, from undergraduate students to experienced researchers, as well as practicing sport and exercise psychologists, coaches and athletes.

The Chiropractic Profession Sep 07 2020 Facts on chiropractic -- Introduction -- Chiropractic history -- Current status of the profession -- Education and licensure -- Principles and goals of chiropractic care -- Scope of practice -- Manipulation -- Back pain -- Public and medical attitudes towards chiropractic -- Future directions for the chiropractic profession.

XPS-99: Knowledge-Based Systems - Survey and Future Directions May 04 2020 A special year like 1999 invites one to draw a balance of what has been achieved in the roughly 30 years of research and development in knowledge based systems (still abbreviated as XPS following the older term "expert systems") and to take a look at what the future may hold. For the 5 German conference on knowledge-based systems we therefore asked current and former speakers of the four working groups (FG's) in the subdivision of knowledge-based systems (FA 1.5) of the German association of Informatics (GI) to present a survey of and future prospects for their respective fields: knowledge engineering, diagnosis, configuration, and case-based reasoning. An additional 14 technical papers deal with current topics in knowledge-based systems with an equal emphasis on methods and applications. They are selected from more than 50 papers accepted in the 4 parallel workshops of XPS-99: a) Knowledge Management, Organizational Memory and Reuse, b) various fields of applications, c) the traditional PuK Workshop (planning and configuration), and d) the GWCBR (German workshop on case-based reasoning). The other papers presented at these workshops are not included in this volume but are available as internal reports of Würzburg university together with the exhibition guide that emphasizing tool support for building knowledge based systems.

Bargaining Jul 26 2019 This Edited Collection provides a rigorous and rich overview of current bargaining research in economics and related disciplines, as well as a discussion of future directions. The Editors create cross-disciplinary and cross-methodological synergies by bringing together bargaining researchers from various fields, including game theory, experimental economics, political economy, autonomous negotiations, artificial intelligence, environmental economics and behavioral operations management; as well as using various methods, including the strategic approach, axiomatic approach, empirical research, lab and field experiments, machine learning and decision support systems. Offering insights into the theoretical foundations of bargaining research, traditional applications to bargaining research and topics of growing importance due to new advances in technology and the changing political and physical landscape of the world, this book is a key tool for anyone working on or interested in bargaining.

Future Directions of Educational Change Jun 28 2022 *Future Directions of Educational Change* brings together timely discussions on social justice, professional capital, and systems change from some of the leading scholars in the field of education. Engaging in theory and evidence-based debates covering issues such as literacy education, whole system reform, and teacher leadership, this volume argues that quality and equity are equally important in reshaping existing education systems both within the United States and globally. The authors offer contextual analyses of current educational research and practice while looking toward the future and offering thought-provoking arguments for challenging and rectifying the systemic inequalities within education today.

Prevention, Policy, and Public Health Jul 06 2020 Resource added for the Health Navigator program 105392.

Nuclear Cardiology Nov 29 2019 This latest edition of *NUCLEAR CARDIOLOGY* provides up-to-the-minute information on current and future uses of radionuclides in imaging diagnosis of the heart. Thoroughly revised and updated, it contains practical information on radiopharmaceuticals, tracer kinetics, instrumentation, ventricular function, perfusion, acute ischemic syndrome, viability, and metabolic images, as well as a discussion of the role of nuclear cardiology in a changing health care system. Practitioners in nuclear medicine, radiology, and cardiology will benefit from having current information on a wide range of topics in one focused reference. Provides highly detailed and comprehensive information in one convenient resource Includes more than 600 images and illustrations to aid comprehension Incorporates the knowledge of internationally recognized authors who are experts in the field Discusses a broad spectrum of nuclear cardiology applications to help you gain a better perspective on contemporary cardiac nuclear medicine

Manufacturing Systems: Recent Progress and Future Directions Feb 10 2021 Manufacturing has seen progress during the industrial revolution from Industry 1.0 to 4.0. Recent manufacturing processes involve various systems and several challenges remain to handle. For example, the spread of the virus COVID-19 in the late of 2019 has talked many industrial abilities and various manufacturing systems shown incapacities. Therefore, any manufacturing system and process should be improved and tested under crisis scenarios. The book "Manufacturing Systems: Progress and Future Directions" is a source of the latest research and technical notes in manufacturing systems. This book is useful for students, researchers, and all readers interested in this topic. It is organized into twenty-seven chapters.

Assessment and Future Directions of Nonlinear Model Predictive Control Oct 09 2020 The past three decades have seen rapid development in the area of model predictive control with respect to both theoretical and application aspects. Over these 30 years, model predictive control for linear systems has been widely applied, especially in the area of process control. However, today's applications often require driving the process over a wide region and close to the boundaries of operability, while satisfying constraints and achieving near-optimal performance. Consequently, the application of linear control methods does not always lead to satisfactory performance, and here nonlinear methods must be employed. This is one of the reasons why nonlinear model predictive control (NMPC) has enjoyed significant attention over the past years, with a number of recent advances on both the theoretical and application frontier. Additionally, the widespread availability and steadily increasing power of today's computers, as well as the development of specially tailored numerical solution methods for NMPC, bring the practical applicability of NMPC within reach even for very fast systems. This has led to a series of new, exciting developments, along with new challenges in the area of NMPC.

Factor Analysis at 100 Nov 09 2020 Factor analysis is one of the success stories of statistics in the social sciences. The reason for its wide appeal is that it provides a way to investigate latent variables, the fundamental traits and concepts in the study of individual differences. Because of its importance, a conference was held to mark the centennial of the publication of Charles Spearman's seminal 1904 article which introduced the major elements of this invaluable statistical tool. This book evolved from that conference. It provides a retrospective look at major issues and developments as well as a prospective view of future directions in factor analysis and related methods. In so doing, it demonstrates how and why factor analysis is considered to be one of the methodological pillars of behavioral research. Featuring an outstanding collection of contributors, this volume offers unique insights on factor analysis and its related methods. Several chapters have a clear historical perspective, while others present new ideas along with historical summaries. In addition, the book reviews some of the extensions of factor analysis to such techniques as latent growth curve models, models for categorical data, and structural equation models. *Factor Analysis at 100* will appeal to graduate students and researchers in the behavioral, social, health, and biological sciences who use this technique in their research. A basic knowledge of factor analysis is required and a working knowledge of linear algebra is helpful.

Cognitive Work Analysis Oct 28 2019 Over the past decade, Cognitive Work Analysis (CWA) has been one of the popular human factors approaches for complex systems evaluation and design applications. This is reflected by a diverse range of applications across safety critical domains. The book brings together a series of CWA applications and discussions from world-leading human factors researchers and practitioners. It begins with an overview of the CWA

framework, including its theoretical underpinnings, the methodological approaches involved (including practical guidance on each phase), and previous applications of the framework. The core of the book is a series of CWA applications, undertaken in a wide range of safety critical domains for a range of purposes. These serve to demonstrate the contribution that CWA can make to real-world projects and provide readers with inspiration for how such analyses can be practically carried out. Following this, a series of applications in which new approaches or adaptations have been added to the framework are presented. These show how practical applications feedback into the theories/approaches underpinning CWA. The closing chapter then speculates on future applications of the framework and on a series of new research directions required in order to enhance its utility. In emphasising the practical realities of performing CWA, and the real-world impacts it can provide, the book tackles several common misconceptions in a constructive and persuasive way. It provides a welcome demonstration of how CWA can be a powerful ally in tackling complexity-related problems that afflict systems in all areas.

Entrepreneurship Education Mar 02 2020

Savoring Aug 26 2019 This book is about savoring life—the capacity to attend to the joys, pleasures, and other positive feelings that we experience in our lives. The authors enhance our understanding of what savoring is and the conditions under which it occurs. Savoring provides a new theoretical model for conceptualizing and understanding the psychology of enjoyment and the processes through which people manage positive emotions. The authors review their quantitative research on savoring, as well as the research of others, and provide measurement instruments with scoring instructions for assessing and studying savoring. Authors Bryant and Veroff outline the necessary preconditions that must exist for savoring to occur and distinguish savoring from related concepts such as coping, pleasure, positive affect, emotional intelligence, flow, and meditation. The book's lifespan perspective includes a conceptual analysis of the role of time in savoring. Savoring is also considered in relation to human concerns, such as love, friendship, physical and mental health, creativity, and spirituality. Strategies and hands-on exercises that people can use to enhance savoring in their lives are provided, along with a review of factors that enhance savoring. Savoring is intended for researchers, students, and practitioners interested in positive psychology from the fields of social, clinical, health, and personality psychology and related disciplines. The book may serve as a supplemental text in courses on positive psychology, emotion and motivation, and other related topics. The chapters on enhancing savoring will be especially attractive to clinicians and counselors interested in intervention strategies for positive psychological adjustment.