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Computational Intelligence for Modelling, Control & Automation - Masoud Mohammadian 1999

This edited Book is dedicated to the theory and applications of Evolutionary Computation and Fuzzy Logic for Intelligent Control, Knowledge Acquisition and Information Retrieval. The book consists of 86 selected research papers from the 1999 International Conference on Computational Intelligence for Modelling, Control and Automation - CIMCA'99 The research papers presented in this book cover new techniques and applications in the following research areas: Evolutionary Computation, Fuzzy Logic and Expert Systems with their applications for Optimisation, Learning, Control, Scheduling and Multi-Criteria Analysis as well as Reliability Assessment, Information Retrieval and Knowledge Acquisition.

Cognitive Radio Communications and Networks - Alexander M. Wyglinski 2009-11-13

Cognitive Radio Communications and Networks gives comprehensive and balanced coverage of the principles of cognitive radio communications, cognitive networks, and details of their implementation, including the latest developments in the standards and spectrum policy. Case studies, end-of-chapter

questions, and descriptions of various platforms and test beds, together with sample code, give hands-on knowledge of how cognitive radio systems can be implemented in practice. Extensive treatment is given to several standards, including IEEE 802.22 for TV White Spaces and IEEE SCC41 Written by leading people in the field, both at universities and major industrial research laboratories, this tutorial text gives communications engineers, R&D engineers, researchers, undergraduate and post graduate students a complete reference on the application of wireless communications and network theory for the design and implementation of cognitive radio systems and networks Each chapter is written by internationally renowned experts, giving complete and balanced treatment of the fundamentals of both cognitive radio communications and cognitive networks, together with implementation details Extensive treatment of the latest standards and spectrum policy developments enables the development of compliant cognitive systems Strong practical orientation - through case studies and descriptions of cognitive radio platforms and testbeds - shows how real world cognitive radio systems and network architectures have been built Alexander M. Wyglinski is an Assistant Professor of Electrical and

Computer Engineering at Worcester Polytechnic Institute (WPI), Director of the WPI Limerick Project Center, and Director of the Wireless Innovation Laboratory (WI Lab) Each chapter is written by internationally renowned experts, giving complete and balanced treatment of the fundamentals of both cognitive radio communications and cognitive networks, together with implementation details Extensive treatment of the latest standards and spectrum policy developments enables the development of compliant cognitive systems Strong practical orientation – through case studies and descriptions of cognitive radio platforms and testbeds – shows how "real world" cognitive radio systems and network architectures have been built

Understanding the Psychology of Diversity - B. Evan Blaine
2017-01-30

The updated Third Edition of this best seller presents a highly readable examination of diversity from a unique psychological perspective to teach students how to understand social and cultural differences in today's society. By exploring how individuals construct their view of social diversity and how they are defined and influenced by it, author B. Evan Blaine and new coauthor Kimberly J. McClure Brenchley present all that psychology has to offer on this critically important topic. The new edition features chapters on traditional topics such as categorization, stereotypes, sexism, racism, and sexual prejudice, in addition to chapters on nontraditional diversity topics such as weightism, ageism, and social stigma. Integrated throughout the text are applications of these topics to timely social issues.

Modern Music-Inspired Optimization Algorithms for Electric Power Systems - Mohammad Kiani-Moghaddam 2019-05-21

In today's world, with an increase in the breadth and scope of real-world engineering optimization problems as well as with the advent of big data, improving the performance and efficiency of algorithms for solving such problems has become an indispensable need for specialists and researchers. In contrast to conventional

books in the field that employ traditional single-stage computational, single-dimensional, and single-homogeneous optimization algorithms, this book addresses multiple newfound architectures for meta-heuristic music-inspired optimization algorithms. These proposed algorithms, with multi-stage computational, multi-dimensional, and multi-inhomogeneous structures, bring about a new direction in the architecture of meta-heuristic algorithms for solving complicated, real-world, large-scale, non-convex, non-smooth engineering optimization problems having a non-linear, mixed-integer nature with big data. The architectures of these new algorithms may also be appropriate for finding an optimal solution or a Pareto-optimal solution set with higher accuracy and speed in comparison to other optimization algorithms, when feasible regions of the solution space and/or dimensions of the optimization problem increase. This book, unlike conventional books on power systems problems that only consider simple and impractical models, deals with complicated, techno-economic, real-world, large-scale models of power systems operation and planning. Innovative applicable ideas in these models make this book a precious resource for specialists and researchers with a background in power systems operation and planning. Provides an understanding of the optimization problems and algorithms, particularly meta-heuristic optimization algorithms, found in fields such as engineering, economics, management, and operations research; Enhances existing architectures and develops innovative architectures for meta-heuristic music-inspired optimization algorithms in order to deal with complicated, real-world, large-scale, non-convex, non-smooth engineering optimization problems having a non-linear, mixed-integer nature with big data; Addresses innovative multi-level, techno-economic, real-world, large-scale, computational-logical frameworks for power systems operation and planning, and illustrates practical training on implementation of the frameworks using the meta-heuristic music-inspired optimization algorithms.

Search-Based Software Engineering - Thelma Elita Colanzi
2018-08-23

This book constitutes the refereed proceedings of the 10th International Symposium on Search-Based Software Engineering, SSBSE 2018, held in Montpellier, France, in September 2018. The 12 full papers and 7 short papers presented together with 3 keynotes, 2 tutorials, and 1 anniversary paper were carefully reviewed and selected from 21 submissions. SSBSE welcomes not only applications from throughout the software engineering lifecycle but also a broad range of search methods ranging from exact Operational Research techniques to nature-inspired algorithms and simulated annealing. Chapter "Deploying Search Based Software Engineering with Sapienz at Facebook" is available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.

Scientific and Technical Aerospace Reports - 1994

U.C. Davis Law Review - University of California, Davis. School of Law 2004

Communities in Action - National Academies of Sciences, Engineering, and Medicine 2017-04-27

In the United States, some populations suffer from far greater disparities in health than others. Those disparities are caused not only by fundamental differences in health status across segments of the population, but also because of inequities in factors that impact health status, so-called determinants of health. Only part of an individual's health status depends on his or her behavior and choice; community-wide problems like poverty, unemployment, poor education, inadequate housing, poor public transportation, interpersonal violence, and decaying neighborhoods also contribute to health inequities, as well as the historic and ongoing interplay of structures, policies, and norms that shape lives. When these factors are not optimal in a community, it does not mean

they are intractable: such inequities can be mitigated by social policies that can shape health in powerful ways. *Communities in Action: Pathways to Health Equity* seeks to delineate the causes of and the solutions to health inequities in the United States. This report focuses on what communities can do to promote health equity, what actions are needed by the many and varied stakeholders that are part of communities or support them, as well as the root causes and structural barriers that need to be overcome.

Resources in Education - 1997

Leading Across New Borders - Ernest Gundling 2015-09-21

An insightful, real-world look at the skills today's global leadership demands *Leading Across Borders* is the leadership guide for the new business environment. The world's economic center of gravity is shifting at a rapid pace – huge emerging economies have already emerged. As businesses operate in an increasingly global context, the most successful leaders are able to see through the eyes of others and to hear the voices of customers and colleagues from around the world. They build their own personal networks, navigate differences, and work effectively across new borders – both the physical borders between countries and the limits of old leadership paradigms. This book features direct input from people in critical roles around the world, advice based on deep practical experience, and new data that identifies the distinctive challenges of leading in an environment becoming more thoroughly interdependent every day. There is valuable advice for anyone taking on a global leadership role. You'll find strategies and tools for working across cultures, leading inclusively, running a matrix team, innovating, integrating an acquisition, and making tough ethical choices. Each chapter challenges established leadership models and shares hard-won expertise in dealing effectively with a changing reality that includes both fast-growth and slow-growth markets. You will learn how to serve more numerous stakeholders

and to achieve your goals in a complex organizational structure without having direct lines of authority. This insightful guide helps you work more effectively at the self, team, and organizational levels, so you can get things done and grow your business. The increasing importance of China, India, Brazil, Indonesia, Turkey, and other developing economies has opened the world of business leadership far beyond our own borders. This book gives you a framework for coordinating it all, and being the leader your organization needs. Operate insightfully at the personal level in order to better lead others Shape, motivate, and drive your global team to exceptional performance Navigate differences in culture, language, economics, and more Exercise your vision, influence, and expertise to lead your organization forward The trend toward global leadership has emerged full-blown amidst the rising global economy. Today's leadership must understand how to work effectively and efficiently across a variety of contexts. Leading Across Borders provides a roadmap to the new leadership paradigm, helping you expand your own skillset and create forward momentum.

Cyber Security and Computer Science - Touhid Bhuiyan
2020-07-29

This book constitutes the refereed post-conference proceedings of the Second International Conference on Cyber Security and Computer Science, ICONCS 2020, held in Dhaka, Bangladesh, in February 2020. The 58 full papers were carefully reviewed and selected from 133 submissions. The papers detail new ideas, inventions, and application experiences to cyber security systems. They are organized in topical sections on optimization problems; image steganography and risk analysis on web applications; machine learning in disease diagnosis and monitoring; computer vision and image processing in health care; text and speech processing; machine learning in health care; blockchain applications; computer vision and image processing in health care; malware analysis; computer vision; future technology applications;

computer networks; machine learning on imbalanced data; computer security; Bangla language processing.

Comprehensive Chemometrics - Steven Brown 2020-05-26
Comprehensive Chemometrics, Second Edition features expanded and updated coverage, along with new content that covers advances in the field since the previous edition published in 2009. Subject of note include updates in the fields of multidimensional and megavariate data analysis, omics data analysis, big chemical and biochemical data analysis, data fusion and sparse methods. The book follows a similar structure to the previous edition, using the same section titles to frame articles. Many chapters from the previous edition are updated, but there are also many new chapters on the latest developments. Presents integrated reviews of each chemical and biological method, examining their merits and limitations through practical examples and extensive visuals Bridges a gap in knowledge, covering developments in the field since the first edition published in 2009 Meticulously organized, with articles split into 4 sections and 12 sub-sections on key topics to allow students, researchers and professionals to find relevant information quickly and easily Written by academics and practitioners from various fields and regions to ensure that the knowledge within is easily understood and applicable to a large audience Presents integrated reviews of each chemical and biological method, examining their merits and limitations through practical examples and extensive visuals Bridges a gap in knowledge, covering developments in the field since the first edition published in 2009 Meticulously organized, with articles split into 4 sections and 12 sub-sections on key topics to allow students, researchers and professionals to find relevant information quickly and easily Written by academics and practitioners from various fields and regions to ensure that the knowledge within is easily understood and applicable to a large audience

[Recent Advances in Evolutionary Computation for Combinatorial](#)

Optimization - Carlos Cotta 2008-09-08

Combinatorial optimisation is a ubiquitous discipline whose usefulness spans vast applications domains. The intrinsic complexity of most combinatorial optimisation problems makes classical methods unaffordable in many cases. To acquire practical solutions to these problems requires the use of metaheuristic approaches that trade completeness for pragmatic effectiveness. Such approaches are able to provide optimal or quasi-optimal solutions to a plethora of difficult combinatorial optimisation problems. The application of metaheuristics to combinatorial optimisation is an active field in which new theoretical developments, new algorithmic models, and new application areas are continuously emerging. This volume presents recent advances in the area of metaheuristic combinatorial optimisation, with a special focus on evolutionary computation methods. Moreover, it addresses local search methods and hybrid approaches. In this sense, the book includes cutting-edge theoretical, methodological, algorithmic and applied developments in the field, from respected experts and with a sound perspective.

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Aeronautical Engineering - 1981

A selection of annotated references to unclassified reports and journal articles that were introduced into the NASA scientific and technical information system and announced in Scientific and technical aerospace reports (STAR) and International aerospace abstracts (IAA).

Search Methodologies - Edmund K. Burke 2006-03-20

This book is a tutorial survey of the methodologies that are at the confluence of several fields: Computer Science, Mathematics and Operations Research. It provides a carefully structured and integrated treatment of the major technologies in optimization and search methodology. The chapter authors are drawn from across Computer Science and Operations Research and include some of

the world's leading authorities in their field. It can be used as a textbook or a reference book to learn and apply these methodologies to a wide range of today's problems.

Solution-Focused Play Therapy - Elizabeth Kjellstrand Hartwig 2020-11-16

Solution-Focused Play Therapy is an essential text that blends the process of play therapy with solution-focused therapy. With a focus on child strengths and resources, this book identifies key concepts and principles in solution-focused play therapy (SFPT). The author provides neurobiological and developmental support for SFPT and guidance on how practitioners can transition from using a non-directive approach to a more directive and activity-based approach based on the developmental needs of the child. Chapters describe the 12 basic skills needed for employing this approach with children of all ages and their families. Harnessing a strengths-oriented approach, the author presents expressive ways to use key SFPT techniques, including the miracle question, scaling, finding exceptions, and end-of-session feedback. Clinicians will come away from the book with a suite of interventions, strategies, handouts, and forms that can be employed with children of all ages and their families, from strength-based assessment and treatment planning to the final celebration session.

Computational Intelligence in Reliability Engineering - Gregory Levitin 2006-12-13

This book covers the recent applications of computational intelligence techniques in reliability engineering. This volume contains a survey of the contributions made to the optimal reliability design literature in recent years. It also contains chapters devoted to different applications of a genetic algorithm in reliability engineering and to combinations of this algorithm with other computational intelligence techniques.

Global Perspectives on Maintaining Gender, Age, and Religious Diversity in the Workplace - Agha, Kakul 2022-06-30

Diversity is an issue that is pervasive in this globalized world. As most countries are eager to ensure they are as diverse and inclusive as possible, broadening the hemispheres of diversity in the workplace is a crucial step. Consciously or unconsciously, individuals tend to change the way they treat coworkers in the workplace based on gender, age, and religion. In order for businesses across the globe to achieve inclusive workplace cultures, further study is required on the best practices, challenges, and strategies of implementing diversity into policy. *Global Perspectives on Maintaining Gender, Age, and Religious Diversity in the Workplace* captures insights into global perspectives on issues, challenges, and solutions for mitigating gender, age, and religious diversity-related matters in the workplace. The book aims to highlight policies and practices prevalent in a variety of sectors in different countries around the globe. Covering topics such as cross-cultural leadership, diversity policy, and wellbeing, this reference work is crucial for business owners, managers, human resources professionals, researchers, scholars, academicians, practitioners, instructors, and students. *Law and Religious Diversity in Education* - Kyriaki Topidi

2020-08-05

Religion is a prominent legal force despite the premise constructed and promoted by Western constitutionalism that it must be separated from the State in democracies. Education constitutes an area of human life that leaves ample scope for the expression of religious identity and shapes the citizens of the future. It is also the place of origin of a considerable number of normative conflicts involving religious identity that arise today in multicultural settings. The book deals with the interplay of law and religion in education through the versatility of religious law and legal pluralism, as well as religion's possible adaptation and reconciliation with modernity, in order to consider and reflect on normative conflicts. It adopts the angle of the constitutional dimension of religion narrated in a comparative perspective and

critically reflects on regulatory attempts by the State and the international community to promote new ways of living together.

Advances in Artificial Intelligence - Yang Xiang 2003-08-03

This book constitutes the refereed proceedings of the 16th Conference of the Canadian Society for Computational Studies of Intelligence, AI 2003, held in Halifax, Canada in June 2003. The 30 revised full papers and 24 revised short papers presented were carefully reviewed and selected from 106 submissions. The papers are organized in topical sections on knowledge representation, search, constraint satisfaction, machine learning and data mining, AI and Web applications, reasoning under uncertainty, agents and multi-agent systems, AI and bioinformatics, and AI and e-commerce.

***Evolutionary Multi-Objective System Design* - Nadia Nedjah**
2020-07-15

Real-world engineering problems often require concurrent optimization of several design objectives, which are conflicting in cases. This type of optimization is generally called multi-objective or multi-criterion optimization. The area of research that applies evolutionary methodologies to multi-objective optimization is of special and growing interest. It brings a viable computational solution to many real-world problems. Generally, multi-objective engineering problems do not have a straightforward optimal design. These kinds of problems usually inspire several solutions of equal efficiency, which achieve different trade-offs. Decision makers' preferences are normally used to select the most adequate design. Such preferences may be dictated before or after the optimization takes place. They may also be introduced interactively at different levels of the optimization process. Multi-objective optimization methods can be subdivided into classical and evolutionary. The classical methods usually aim at a single solution while the evolutionary methods provide a whole set of so-called Pareto-optimal solutions. *Evolutionary Multi-Objective System Design: Theory and Applications* provides a representation

of the state-of-the-art in evolutionary multi-objective optimization research area and related new trends. It reports many innovative designs yielded by the application of such optimization methods. It also presents the application of multi-objective optimization to the following problems: Embrittlement of stainless steel coated electrodes Learning fuzzy rules from imbalanced datasets Combining multi-objective evolutionary algorithms with collective intelligence Fuzzy gain scheduling control Smart placement of roadside units in vehicular networks Combining multi-objective evolutionary algorithms with quasi-simplex local search Design of robust substitution boxes Protein structure prediction problem Core assignment for efficient network-on-chip-based system design

Smart Delivery Systems - Jakub Nalepa 2019-11

Smart Delivery Systems: Solving Complex Vehicle Routing Problems examines both exact and approximate methods for delivering optimal solutions to rich vehicle routing problems, showing both the advantages and disadvantages of each approach. It shows how to apply machine learning and advanced data analysis techniques to improve routing systems, familiarizing readers with the concepts and technologies used in successfully implemented delivery systems. The book explains both the latest theoretical and practical advances in intelligent delivery and scheduling systems and presents practical applications for designing new algorithms for real-life scenarios. Emphasizes both sequential and parallel algorithms Uniquely combines methods and algorithms, real-life applications, and parallel computing Includes recommendations on how to choose between different methods for solving applications Provides learning aids, end of chapter references, bibliography, worked examples and exercises

When the Sun Danced - Jeffrey S. Bennett 2012

Between May and October of 1917, three young shepherds were reportedly visited six times by an apparition of the Virgin Mary near the town of Fátima in Portugal. At the final apparition event,

approximately 70,000 visitors gathered to witness a prophesied miracle intended to convince the public that the children's visions were of divine origin. The miracle took the form of a solar anomaly; witnesses claimed that the sun began to "dance." Exploring the early development of the cult of the Virgin of Fátima and the overthrow of the liberal, secular government by pro-Catholic elements, Jeffrey Bennett offers the first book-length scholarly study of the cult's relationship to the rise of authoritarian politics in Portugal. When the Sun Danced offers a fascinating look at the cultural dynamics that informed one of the most turbulent periods in the nation's history.

Free Trade and Cultural Diversity in International Law - Jingxia Shi 2013-04-30

This book attempts to reconcile the concept of free trade with a key non-trade social value - cultural diversity - in an era of economic globalisation. It first shows how we can look at culture in many different ways, and explains why we should care about cultural diversity. The book then examines the challenges that policymakers are faced with in formulating cultural measures in the new media environment, and analyses UNESCO's theories and approaches to cultural diversity. This is followed by a comprehensive examination of the treatment of 'culture' in global and regional trade agreements, including the framework of the GATT/WTO system, the WTO's judicial practice involving cultural products, and the treatment of culture under the EC/EU and NAFTA. This identifies the challenges trade norms encounter in dealing with cultural products. The author seeks to formulate a balanced view of the challenge of protecting and promoting cultural diversity while also recognising the important goal of trade liberalisation. To this end Professor Shi proposes a dual method through which the norms found in WTO agreements and in UNESCO cultural instruments may be brought into alignment: the first highlighting the compatibility of cultural policy measures with trade obligations on a domestic level, the second suggesting

potential linkages between the WTO rules and the UNESCO Convention from the perspectives of treaty interpretation.
Encyclopedia of Bioinformatics and Computational Biology - 2018-08-21

Encyclopedia of Bioinformatics and Computational Biology: ABC of Bioinformatics combines elements of computer science, information technology, mathematics, statistics and biotechnology, providing the methodology and in silico solutions to mine biological data and processes. The book covers Theory, Topics and Applications, with a special focus on Integrative -omics and Systems Biology. The theoretical, methodological underpinnings of BCB, including phylogeny are covered, as are more current areas of focus, such as translational bioinformatics, cheminformatics, and environmental informatics. Finally, Applications provide guidance for commonly asked questions. This major reference work spans basic and cutting-edge methodologies authored by leaders in the field, providing an invaluable resource for students, scientists, professionals in research institutes, and a broad swath of researchers in biotechnology and the biomedical and pharmaceutical industries. Brings together information from computer science, information technology, mathematics, statistics and biotechnology Written and reviewed by leading experts in the field, providing a unique and authoritative resource Focuses on the main theoretical and methodological concepts before expanding on specific topics and applications Includes interactive images, multimedia tools and crosslinking to further resources and databases

Evolutionary and Adaptive Computing in Engineering Design - Ian C. Parmee 2012-12-06

Following an introduction to the various techniques and examples of their routine application, this potential is explored through the introduction of various strategies that support searches across a far broader set of possible design solutions within time and budget constraints. Generic problem areas investigated include: - design

decomposition; - whole-system design; - multi-objective and constraint satisfaction; - human-computer interaction; - computational expense. Appropriate strategies that help overcome problems often encountered when integrating computer-based techniques with complex, real-world design environments are described. A straightforward approach coupled with examples supports a rapid understanding of the manner in which such strategies can best be designed to handle the complexities of a particular problem.

Analysing Exemplary Science Teaching - Alsop, Steve 2004-12-01

Looks at the theory and practice of science education.

Heuristics for Optimization and Learning - Farouk Yalaoui 2020-12-15

This book is a new contribution aiming to give some last research findings in the field of optimization and computing. This work is in the same field target than our two previous books published: "Recent Developments in Metaheuristics" and "Metaheuristics for Production Systems", books in Springer Series in Operations Research/Computer Science Interfaces. The challenge with this work is to gather the main contribution in three fields, optimization technique for production decision, general development for optimization and computing method and wider spread applications. The number of researches dealing with decision maker tool and optimization method grows very quickly these last years and in a large number of fields. We may be able to read nice and worthy works from research developed in chemical, mechanical, computing, automotive and many other fields.

E.E. Slutsky as Economist and Mathematician - Vincent Barnett 2011-03-31

E.E. Slutsky is perhaps the Russian/Ukrainian economist most quoted by mainstream economists today. This is the first research monograph to examine the life and work of the internationally-renowned economist and mathematician. It does so from both a

'history of economics' perspective and a 'history of science' perspective, bringing these two strands together in order to demonstrate Slutsky's enduring legacy as an innovative researcher and an influential intellectual. It also presents some of Slutsky's lesser-known (and hitherto-unavailable) works in English translation.

Evolutionary Computation in Combinatorial Optimization -

Günther R. Raidl 2005-02-26

This volume contains the proceedings of EvoCOP 2005, the 5th European Conference on Evolutionary Computation in Combinatorial Optimization. It was held in Lausanne, Switzerland, on 30 March–1 April 2005...

Evolutionary Computation in Combinatorial Optimization -

Jens Gottlieb 2004-03-09

This book constitutes the refereed proceedings for the 4th European Conference on Evolutionary Computation in Combinatorial Optimization, EvoCOP 2004, held in Coimbra, Portugal, in April together with EuroGP 2004 and six workshops on evolutionary computing. The 23 revised full papers presented were carefully reviewed and selected from 86 submissions. Among the topics addressed are evolutionary algorithms as well as metaheuristics like memetic algorithms, ant colony optimization, and scatter search; the papers are dealing with representations, operators, search spaces, adaptation, comparison of algorithms, hybridization of different methods, and theory. Among the combinatorial optimization problems studied are graph coloring, network design, cutting, packing, scheduling, timetabling, traveling salesman, vehicle routing, and various other real-world applications.

Freezing Injunctions in Private International Law - Filip

Šaranović 2022-10-31

The extent of available pre-judgment asset preservation relief is widely regarded as a unique characteristic of English law and one of the key factors attracting international commercial litigation to

the English courts. By taking a novel view of the theoretical foundations of a freezing injunction, this book challenges the long-established view that such an injunction is an in personam form of relief whose sole purpose is to prevent unscrupulous defendants from making themselves judgment-proof. Dr Šaranović combines historical and comparative perspectives to identify several theoretical flaws in the court's jurisdiction to grant this popular form of interim relief. The book demonstrates that the current application of private international law rules in this field leads to inequality among litigants and illegitimate encroachment upon the sovereignty of foreign states. It proposes a range of possible solutions to alleviate concerns about the scope of freezing injunctions both in the domestic and international arena.

The New Urban Frontier - Neil Smith 2005-10-26

Why have so many central and inner cities in Europe, North America and Australia been so radically revamped in the last three decades, converting urban decay into new chic? Will the process continue in the twenty-first century or has it ended? What does this mean for the people who live there? Can they do anything about it? This book challenges conventional wisdom, which holds gentrification to be the simple outcome of new middle-class tastes and a demand for urban living. It reveals gentrification as part of a much larger shift in the political economy and culture of the late twentieth century. Documenting in gritty detail the conflicts that gentrification brings to the new urban 'frontiers', the author explores the interconnections of urban policy, patterns of investment, eviction, and homelessness. The failure of liberal urban policy and the end of the 1980s financial boom have made the end-of-the-century city a darker and more dangerous place. Public policy and the private market are conspiring against minorities, working people, the poor, and the homeless as never before. In the emerging revanchist city, gentrification has become part of this policy of revenge.

Water and Sanitation-Related Diseases and the Changing

Environment - Janine M. H. Selendy 2019-02-06

The revised and updated second edition of *Water and Sanitation Related Diseases and the Changing Environment* offers an interdisciplinary guide to the conditions responsible for water and sanitation related diseases. The authors discuss the pathogens, vectors, and their biology, morbidity and mortality that result from a lack of safe water and sanitation. The text also explores the distribution of these diseases and the conditions that must be met to reduce or eradicate them. The text includes contributions from authorities from the fields of climate change, epidemiology, environmental health, environmental engineering, global health, medicine, medical anthropology, nutrition, population, and public health. Covers the causes of individual diseases with basic information about the diseases and data on the distribution, prevalence, and incidence as well as interconnected factors such as environmental factors. The authors cover access to and maintenance of clean water, and guidelines for the safe use of wastewater, excreta, and grey water, plus examples of solutions. Written for students, and professionals in infectious disease, public health and medicine, chemical and environmental engineering, and international affairs, the second edition of *Water and Sanitation Related Diseases and the Changing Environment* is a comprehensive resource to the conditions responsible for water and sanitation related diseases.

Summaries of Judgments, Advisory Opinions and Orders of the International Court of Justice 2003-2007 - United Nations Office of Legal Affairs 2009-03-04

In an effort to make international law and United Nations legal activities more accessible, this publication condenses chronologically in a single and handy volume the case-law of the International Court of Justice for the period 2003-2007. Lawyers, journalists, diplomats and specialists in international law will greatly profit from these summaries based closely on the texts prepared by the Registry of the Court.

Encyclopaedia of Pure Mathematics - 1847

Envisioning the World: Mapping and Making the Global - Sandra Holtgreve 2021-03-31

The »global« is permanently made and remade by how it is envisioned in political projects, in language, and in literature. Through a range of case studies, this book shows how practices of referring to the world actually constitute the global in its many facets. It aims to provide a sense in readers of how the global is not something »out there«, but that it is embedded in a wide range of the seemingly »everyday«. The contributions appeal to a readership from a background in Sociology, History, Political Science, Literary Studies, and Social Work.

New Directions in Race, Ethnicity and Crime - Coretta Phillips 2013-10-08

The disproportionate criminalisation and incarceration of particular minority ethnic groups has long been observed, though much of the work in criminology has been dominated by a somewhat narrow debate. This debate has concerned itself with explaining this disproportionality in terms of structural inequalities and socio-economic disadvantage or discriminatory criminal justice processing. This book offers an accessible and innovative approach, including chapters on anti-Semitism, social cohesion in London, Bradford and Glasgow, as well as an exploration of policing Traveller communities. Incorporating current empirical research and new departures in methodology and theory, this book also draws on a range of contemporary issues such as policing terrorism, immigration detention and youth gangs. In offering minority perspectives on race, crime and justice and white inmate perspectives from the multicultural prison, the book emphasises contrasting and distinctive influences on constructing ethnic identities. It will be of interest to students studying courses in ethnicity, crime and justice.

Variable Neighborhood Search - Nenad Mladenovic 2021-03-15

This volume constitutes the proceedings of the 8th International Conference on Variable Neighborhood Search, ICVNS 2021, held in Abu Dhabi, United Arab Emirates, in March 2021. The 14 full papers presented in this volume were carefully reviewed and selected from 27 submissions. The papers describe recent

advances in methods and applications of variable neighborhood search. Chapter “Reduced Variable Neighbourhood Search for the Generation of Controlled Circular Data” is available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.